



ST. TAMMANY PARISH

MICHAEL B. COOPER
PARISH PRESIDENT

NOTICE TO BIDDERS

ST. TAMMANY PARISH

Sealed bids will be received by the Department of Procurement until **2:00 p.m., Wednesday, July 15, 2026**, and then opened and read publicly at that time by the Procurement Staff for the following project:

Bid # 26-34-2 - Ben Thomas Rd Signal

This bid package is available online at www.bidexpress.com or LaPAC <https://wwwcfprd.doa.louisiana.gov/osp/lapac/dspBid.cfm?search=department&term=185>. It is the Vendor's responsibility to check Bid Express, or LaPAC frequently for any possible addenda that may be issued. The Parish is not responsible for a Vendor's failure to download any addenda documents required to complete a submission.

The project classification is:

Highways, Streets and Bridge Construction

Paper Bids must be sealed. In addition, the outside of the envelope, box, or package containing the Bid shall be marked with the following information. Name and Address of the Bidder, the State Contractor's License Number of the Bidder (if the work is estimated at \$50k or more), the Bid Name, and the Bid Number. Bids submitted without this information may be deemed non-responsive.

Bids will be received at 21454 Koop Dr., Suite 2F, Mandeville, LA 70471 from each bidder or his agent and given a written receipt, by certified mail with return receipt requested, or electronically at www.bidexpress.com.

The Procurement Department can be contacted by telephone at (985) 898-2520 or via e-mail at Procurement@stpgov.org. St. Tammany Parish Government reserves the right to reject any or all quotes and to waive informalities.

BID PROPOSAL

ST. TAMMANY PARISH
GOVERNMENT



BID PACKAGE FOR

**Ben Thomas Rd. Signal
Project No.: EN25000093**

BID NO.: 26-34-2

May 28, 2026

Section 01

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Section 02

Instructions to Bidders

Bidders are urged to promptly review the requirements of this specification and submit questions for resolution as early as possible during the bid period. Questions or concerns must be submitted in writing to the Procurement Department no later than 2:00 CST seven (7) working days prior to the bid opening date. Otherwise, this will be construed as acceptance by the bidders that the intent of the specifications is clear and that competitive bids may be obtained as specified herein. Protests with regard to the specification documents will not be considered after bids are opened.

1. Bid security is required. Be sure that your bid includes such security as is necessary to meet Parish requirements and is properly signed. The bid must be fully completed. All applicable Louisiana license numbers must be affixed.
2. The Owner is the St. Tammany Parish Government (the “Parish”).
3. The terms “he/his” and “it/its” may be used interchangeably.
4. The terms “Owner,” the “Parish,” and “St. Tammany Parish” may be used interchangeably.
5. The successful Bidder understands the limited contract time in the contract is **one hundred and eighty (180) calendar days**, and shall submit any request for an extension of time in accordance with the General and Supplementary Conditions. Said request will reflect the days requested and the reason for same. No extension request is guaranteed or absolute.
6. Bidder specifically understands that acknowledgment of the General Conditions is required. Bidder specifically understands that signature of receipt of the General Conditions is mandated. **The Bidder’s signature on the “Louisiana Uniform Public Work Bid Form” will serve as acknowledgment of the Bidder’s receipt and understanding of the General Conditions as well as any Supplementary Conditions.**
7. ***If any additional work is performed by the contractor without written approval by owner, the cost of the work will be borne by the contractor and will not be reimbursed by the Parish.***
8. **Only** the Louisiana Uniform Public Bid Form, the Unit Price Form (if necessary), the bid security, and written evidence of authority of person signing the bid shall be submitted on or before the bid opening time and date provided for in the Bid Documents. Necessary copies of the Louisiana Uniform Public Work Forms and Unit Price Forms (if necessary) will be furnished for Bidding. Bound sets of the Contract Documents are for Bidder's information and should not be used in submitting Bids.
9. All other documents and information required are to be submitted by the low Bidder within ten (10) days after the opening of the bids, and at the same time of day and location as given for the opening of the bids in the Bid Documents.
10. Each Bid must be submitted in a sealed envelope, unless submitted electronically. The outside of the envelope shall show the name and address of the Bidder, the State Contractor’s License Number of the Bidder (if work requires contractor’s license), and the Project name and the Bid number. In the case of an electronic bid proposal, a contractor may submit an authentic digital signature on the electronic bid proposal accompanied by the contractor's license number, Project name and the Bid number.
11. The price quoted for the Work shall be stated in words and figures on the Bid Form, and in figures only on the Unit Price Form. The price in the Bid shall include all costs necessary for the complete performance of the Work in full conformity with the conditions of the Contract Documents, and shall include all applicable Federal, State, Parish, Municipal or other taxes and is the responsibility of the contractor to obtain tax exemption if applicable. The price bid for the items listed on the Unit Price Form will include the cost of all related items not listed, but which are normally required to do the type of Work bid.

12. The Bid shall be signed by the Bidder. The information required on the Louisiana Uniform Public Work Bid Form must be provided. Evidence of agency, corporate, or partnership authority is required and shall be provided in conformance with LSA-R.S. 38:2212(B).
13. Only a Contractor licensed by the State to do the type of Work as indicated on the Notice to Bidders can submit a Bid. The Bidder's signature on the Bid Form certifies that he holds an active license under the provisions of Chapter 24 of Louisiana Revised Statutes Title 37. Failure to be properly licensed constitutes authority for the Owner to reject the Bid.
14. Bidders shall not attach any conditions or provisions to the Bid. Any conditions or provisions so attached may, at the sole option of the Owner, cause rejection of the Bid.
15. A Bid Guarantee of five percent (5%) of the amount of the total Bid, including Alternates, must accompany the Proposal and, at the option of the Bidder, may be a cashier's check, certified check or a satisfactory Bid Bond. The Bid Guarantee must be attached to the Louisiana Uniform Public Work Bid Form. No Bid will be considered unless it is so guaranteed. Cashier's check or certified check must be made payable to the order of the Owner. Cash deposits will not be accepted. The Owner reserves the right to cash or deposit the cashier's check or certified check. Such guarantees shall be made payable to the Parish of St. Tammany. In accordance with LSA-R.S. 38:2218(C), if a bid bond is used, it shall be written by a surety or insurance company currently on the U.S. Department of the Treasury Financial Management Service list of approved bonding companies which is published annually in the Federal Register, or by a Louisiana domiciled insurance company with at least an A- rating in the latest printing of the A.M. Best's Key Rating Guide to write individual bonds up to ten percent of policyholders' surplus as shown in the A.M. Best's Key Rating Guide or by an insurance company in good standing licensed to write bid bonds which is either domiciled in Louisiana or owned by Louisiana residents. It is **not** required to be on any AIA form.
16. Bid securities of the three (3) lowest Bidders will be retained by the Owner until the Contract is executed or until final disposition is made of the Bids submitted. Bid securities of all other Bidders will be returned promptly after the canvas of Bids. Bids shall remain binding for forty-five (45) days after the date set for Bid Opening. The Parish shall act within the forty-five (45) days to award the contract to the lowest responsible bidder or reject all bids. However, the Parish and the lowest responsible bidder, by mutual written consent, may agree to extend the deadline for award by one or more extensions of thirty (30) calendar days. In the event the Owner issued the Letter of Award during this period, or any extension thereof, the Bid accepted shall continue to remain binding until the execution of the Contract.
17. A Proposal may be withdrawn at any time prior to the scheduled closing time for receipt of Bids, provided the request is in writing, executed by the Bidder or its duly authorized representative and is filed with the Owner prior to that time. When such a request is received, the Proposal will be returned to the Bidder unopened. A bid withdrawn under the provisions of LSA-R.S. 38:2214(C) cannot be resubmitted.
18. Written communications, over the signature of the Bidder, to modify Proposals will be accepted and the Proposal corrected in accordance therewith if received by the Owner prior to the scheduled closing time for receipt of Bids. Oral, telephonic or telegraphic Modifications will not be considered.
19. No oral interpretation obligating the Owner will be made to any Bidder as to the meaning of the Drawings, Specifications and Contract Documents. Every request for such an interpretation shall be made in writing and addressed and forwarded to the Owner. Inquiries received within seven (7) days prior to the day fixed for opening of the Bids may not be given consideration. Every interpretation made to the Bidder shall be in the form of an addendum to the Specifications. All such Addenda shall become part of the Contract Documents. Failure of the Owner to send or failure of Bidder to receive any such interpretation shall not relieve any Bidder from any obligation under this Bid as submitted without Modification. All Addenda shall be issued in accordance with the Public Bid Law, LSA-R.S. 38:2212(O).
20. The Owner reserves the right to reject any or all Bids for just cause in accordance with the Public Bid Law, LSA-R.S. 38:2214(B). Incomplete, informal, illegible, or unbalanced Bids may be rejected. Reasonable grounds for belief that any one Bidder is concerned directly or indirectly with more than one Bid will cause rejection of all Bids wherein such Bidder

is concerned. If required, a Bidder shall furnish satisfactory evidence of its competence and ability to perform the Work stipulated in its Proposal. Incompetence will constitute cause for rejection. If the Parish determines that the bidder is not responsive or responsible for any reason whatsoever, the bid may be rejected in accordance with State law.

21. Contractor shall be liable without limitation to the Parish for any and all injury, death, damage, loss, destruction, damages, costs, fines, penalties, judgments, forfeitures, assessments, expenses (including attorney fees), obligations, and other liabilities of every name and description, which may occur or in any way arise out of any act or omission of Contractor, its owners, agents, employees, partners or subcontractors.
22. Upon notice of any claim, demand, suit, or cause of action against the Parish, alleged to arise out of or be related to this Contract, Contractor shall investigate, handle, respond to, provide defense for, and defend at its sole expense, even if the claim, demand, suit, or cause of action is groundless, false, or fraudulent. The Parish may, but is not required to, consult with or assist the Contractor, but this assistance shall not affect the Contractor's obligations, duties, and responsibilities under this section. Contractor shall obtain the Parish's written consent before entering into any settlement or dismissal.
23. It is understood and agreed that neither party can foresee the exigencies beyond the control of each party which arise by reason of an Act of God or force majeure; therefore, neither party shall be liable for any delay or failure in performance beyond its control resulting from an Act of God or force majeure. The Parish shall determine whether a delay or failure results from an Act of God or force majeure based on its review of all facts and circumstances. The parties shall use reasonable efforts, including but not limited to, use of continuation of operations plans (COOP), business continuity plans, and disaster recovery plans, to eliminate or minimize the effect of such events upon the performance of their respective duties under this Contract.
24. Contractor shall fully indemnify and hold harmless the Parish, without limitation, for any and all injury, death, damage, loss, destruction, damages, costs, fines, penalties, judgments, forfeitures, assessments, expenses (including attorney fees), obligations, and other liabilities of every name and description, which may occur or in any way arise out of any act or omission of Contractor, its owners, agents, employees, partners or subcontractors. The Contractor shall not indemnify for the portion of any loss or damage arising from the Parish's act or failure to act.
25. Contractor shall fully indemnify and hold harmless the Parish, without limitation, from and against damages, costs, fines, penalties, judgments, forfeitures, assessments, expenses (including attorney fees), obligations, and other liabilities in any action for infringement of any intellectual property right, including but not limited to, trademark, trade-secret, copyright, and patent rights.

When a dispute or claim arises relative to a real or anticipated infringement, the Contractor, at its sole expense, shall submit information and documentation, including formal patent attorney opinions, as required by the Parish.

If the use of the product, material, service, or any component thereof is enjoined for any reason or if the Contractor believes that it may be enjoined, Contractor, while ensuring appropriate migration and implementation, data integrity, and minimal delays of performance, shall at its sole expense and in the following order of precedence: (i) obtain for the Parish the right to continue using such product, material, service, or component thereof; (ii) modify the product, material, service, or component thereof so that it becomes a non-infringing product, material, or service of at least equal quality and performance; (iii) replace the product, material, service, or component thereof so that it becomes a non-infringing product, material, or service of at least equal quality and performance; or, (iv) provide the Parish monetary compensation for all payments made under the Contract related to the infringing product, material, service, or component, plus for all costs incurred to procure and implement a non-infringing product, material, or service of at least equal quality and performance. Until this obligation has been satisfied, the Contractor remains in default.

The Contractor shall not be obligated to indemnify that portion of a claim or dispute based upon the Parish's unauthorized: i) modification or alteration of the product, material or service; ii) use of the product, material or service in combination with other products not

furnished by Contractor; or, iii) use of the product, material or service in other than the specified operating conditions and environment.

26. Bidders shall familiarize themselves with and shall comply with all applicable Federal and State Laws, municipal ordinances and the rules and regulations of all authorities having jurisdiction over construction of the Project, which may directly or indirectly affect the Work or its prosecution. These laws and/or ordinances will be deemed to be included in the Contract, as though herein written in full.
27. Each Bidder shall visit the site of the proposed Work and fully acquaint itself with all surface and subsurface conditions as they may exist so that it may fully understand this Contract. Bidder shall also thoroughly examine and be familiar with drawings, Specifications and Contract Documents. The failure or omission of any Bidder to receive or examine any form, instrument, Drawing or document or to visit the site and acquaint itself with existing conditions shall in no way relieve any Bidder from any obligation with respect to its Bid and the responsibility in the premises.
28. The standard contract form enclosed with the Proposal documents is a prototype. It is enclosed with the Contract Documents for the guidance of the Owner and the Contractor. It has important legal consequences in all respects and consultation with an attorney is encouraged. Contractor shall be presumed to have consulted with its own independent legal counsel.
29. When one set of Contract plans show the Work to be performed by two or more prime Contractors, it is the responsibility of each Bidder to become knowledgeable of the Work to be performed by the other where the Work upon which this bid is submitted is shown to come into close proximity or in conflict with the Work of the other. In avoiding conflicts, pressure pipe lines must be installed to avoid conflict with gravity pipe lines and the Bidder of the smaller gravity pipe line in conflict with the larger gravity pipe line must include in his Bid the cost of a conflict box at these locations. The location of and a solution to the conflicts do not have to be specifically noted as such on the plans.
30. Bidder shall execute affidavit(s) attesting compliance with LSA-R.S. 38:2212.10, 38:2224, 38:2227, each as amended, and other affidavits as required by law, prior to execution of the contract.
31. In accordance with Louisiana Law, all Corporations (See LA R.S. 12:26.1) and Limited Liability Companies (See LA R.S. 12:1308.2) should be registered and in good standing with the Louisiana Secretary of State in order to hold a contract.
32. Sealed Bids shall be delivered to St. Tammany Parish Government at the office of **St. Tammany Parish Government, Department of Procurement, 21454 Koop Drive, Suite 2-F, Mandeville, LA 70471**, and a receipt given, until the time and date denoted in Notice to Bidders, at which time and place the Bids shall be publicly opened and read aloud to those present. In accordance with LSA-R.S. 38:2212(H), the designer's final estimated cost of construction shall be read aloud upon opening bids. Sealed Bids may also be mailed by certified mail to **St. Tammany Parish Government, Department of Procurement, 21454 Koop Drive, Suite 2-F, Mandeville, LA 70471**, and must be received before the bid opening. Bids may also be submitted electronically. Information concerning links for electronic bidding is contained in the Notice to Bidders. It is the responsibility of the Bidders to ensure that bids are delivered in a timely fashion. **Late bids, regardless of reason, will not be considered, and will be returned to bidder.**
33. Paper bids shall be placed in a sealed envelope, marked plainly and prominently as indicated in the Notice to Bidders, and these Instructions, and addressed:

**St. Tammany Parish Government
Department of Procurement
21454 Koop Drive, Suite 2-F
Mandeville, LA 70471**

34. See Notice to Bidders for availability of Drawings, Specifications and Contract Documents via electronic methods.

35. The successful Bidder shall be required to post in each direction a public information sign, 4' x 4' in size, at the location of the project containing information required by the Owner. The Owner shall supply this information.
36. The award of the Contract, if it is awarded, will be to the lowest responsible Bidder, in accordance with State Law. No award will be made until the Owner has concluded such investigations as it deems necessary to establish the responsibility and qualifications of the Bidder to do the Work in accordance with the Contract Documents to the satisfaction of the Owner within the time prescribed as established by the Department based upon the amount of work to be performed and the conditions of same. The written contract and bond shall be issued in conformance with LSA-R.S. 38:2216. If the Contract is awarded, the Owner shall give the successful Bidder written notice of the award within forty-five (45) calendar days after the opening of the Bids in conformance with LSA-R.S. 38:2215(A), or any extension as authorized thereunder.
37. At least three days prior to the execution of the Contract, the Contractor shall deliver to the Owner the required Bonds.
38. Failure of the successful Bidder to execute the Contract and deliver the required Bonds within ten (10) days of the Notice of the Award shall be just cause for the Owner to annul the award and declare the Bid and any guarantee thereof forfeited. Award may then be made to the next lowest responsible bidder.
39. In order to ensure the faithful performance of each and every condition, stipulation and requirement of the Contract and to indemnify and hold harmless the Owner from any and all damages, either directly or indirectly arising out of any failure to perform same, the successful Bidder to whom the Contract is awarded shall furnish a Performance and Payment Bond in an amount of at least equal to one hundred percent (100%) of the Contract Price. The Contract shall not be in force or binding upon the Owner until such satisfactory Bond has been provided to and approved by the Parish. The cost of the Bond shall be paid for by the Contractor unless otherwise stipulated in the Special Provisions.
40. No surety Company will be accepted as a bondsman which has no permanent agent or representative in the State upon whom notices referred to in the General Conditions of these Specifications may be served. Service of said notice on said agent or representative in the State shall be equal to service of notice on the President of the Surety Company, or such other officer as may be concerned.
41. In conformance with LSA-R.S. 38:2219(A)(1)(a), (b), and (c):

Any surety bond written for a public works project shall be written by a surety or insurance company currently on the U.S. Department of the Treasury Financial Management Service list of approved bonding companies which is published annually in the Federal Register, or by a Louisiana domiciled insurance company with at least an A- rating in the latest printing of the A.M. Best's Key Rating Guide, to write individual bonds up to ten percent of policyholders' surplus as shown in the A.M. Best's Key Rating Guide or by an insurance company that is either domiciled in Louisiana or owned by Louisiana residents and is licensed to write surety bonds.

For any public works project, no surety or insurance company shall write a bond which is in excess of the amount indicated as approved by the U.S. Department of the Treasury Financial Management Service list or by a Louisiana domiciled insurance company with an A- rating by A.M. Best up to a limit of ten percent of policyholders' surplus as shown by A.M. Best; companies authorized by this Paragraph who are not on the treasury list shall not write a bond when the penalty exceeds fifteen percent of its capital and surplus, such capital and surplus being the amount by which the company's assets exceed its liabilities as reflected by the most recent financial statements filed by the company with the Department of Insurance.

In addition, any surety bond written for a public works project shall be written by a surety or insurance company that is currently licensed to do business in the state of Louisiana. All contractors must comply with any other applicable provisions of LSA-R.S. 38:2219.

42. Should the Contractor's Surety, even though approved and accepted by the Owner, subsequently remove its agency or representative from the State or become insolvent,

bankrupt, or otherwise fail, the Contractor shall immediately furnish a new Bond in another company approved by the Owner, at no cost to the Owner. The new Bond shall be executed under the same terms and conditions as the original Bond. The new bond shall be submitted within thirty (30) days of such time as the Owner notifies Contractor or from the time Contractor learns or has reason to know that the original surety is no longer financially viable or acceptable to the Parish, whichever occurs first. In the event that Contractor fails or refuses to timely secure additional surety, then the Owner may secure such surety and thereafter deduct such cost or expense from any sum due, or to become due to Contractor.

43. The Contractor's bondsman shall obligate itself to all the terms and covenants of these Specifications and of contracts covering the Work executed hereunder. The Owner reserves the right to do Extra Work or make changes by altering, adding to deducting from the Work under the conditions and in the manner herein before described without notice to the Contractor's surety and without in any manner affecting the liability of bondsman or releasing it from any of its obligations hereunder.
44. The Bond shall also secure for the Owner the faithful performance of the Contract in strict accordance with plans, specifications, and other Contract Documents. It shall protect the Owner against all lien laws of the State and shall provide for payment of reasonable attorney's fees for enforcement of Contract and institution or concursus proceedings, if such proceedings become necessary. Likewise, it shall provide for all additional expenses of the Owner occurring through failure of the Contractor to perform.
45. The surety of the Contractor shall be and does hereby declare and acknowledge itself by acceptance to be bound to the Owner as a guarantor, jointly and in solido, with the Contractor, for fulfillment of terms of the Contract.
46. The performance Bond and Labor and Material Bond forming part of this Contract shall be continued by Contractor and its Surety for a period of one (1) year from date of acceptance of the Work/Project by Owner to assure prompt removal and replacement of all defective material, equipment, components thereof, workmanship, etc., and to assure payment of any damage to property of Owner or others as a result of such defective materials, equipment, workmanship, etc.
47. Contractor shall secure and maintain at its expense such insurance that will protect it and the Parish from claims for injuries to persons or damages to property which may arise from or in connection with the performance of Services or Work hereunder by the Contractor, his agents, representatives, employees, and/or subcontractors. The cost of such insurance shall be included in Contractor's bid.
48. The Contractor shall not commence work until it has obtained all insurance as required for the Parish Project. If the Contractor fails to furnish the Parish with the insurance protection required and begins work without first furnishing Parish with a currently dated certificate of insurance, the Parish has the right to obtain the insurance protection required and deduct the cost of insurance from the first payment due the Contractor. Further deductions are permitted from future payments as are needed to protect the interests of the Parish including, but not limited to, renewals of all policies.
49. Payment of Premiums: The insurance companies issuing the policy or policies shall have no recourse against the Parish of St. Tammany for payment of any premiums or for assessments under any form of policy.
50. Deductibles: Any and all deductibles in the described insurance policies shall be assumed by and be at the sole risk of the Contractor.
51. Authorization of Insurance Company(ies) and Rating: All insurance companies must be authorized to do business in the State of Louisiana and shall have an A.M. Best rating of no less than A-, Category VII.
52. Policy coverages and limits must be evidenced by Certificates of Insurance issued by Contractor's carrier to the Parish and shall reflect:

Date of Issue: Certificate must have current date.

Named Insured: The legal name of Contractor under contract with the Parish and its principal place of business shall be shown as the named insured on all Certificates of Liability Insurance.

Name of Certificate Holder: St. Tammany Parish Government, Office of Risk Management, P. O. Box 628, Covington, LA 70434

Project Description: A brief project description, including Project Name, Project Number and/or Contract Number, and Location.

Endorsements and Certificate Reference: All policies must be endorsed to provide, and certificates of insurance must evidence the following:

Waiver of Subrogation: The Contractor’s insurers will have no right of recovery or subrogation against the Parish of St. Tammany, it being the intention of the parties that all insurance policy(ies) so affected shall protect both parties and be the primary coverage for any and all losses covered by the below described insurance. *Policy endorsements required for all coverages.*

Additional Insured: The Parish of St. Tammany shall be named as additional named insured with respect to general liability, marine liability, pollution/environmental liability, automobile liability and excess liability coverages. *Policy endorsements required.*

Hold Harmless: Contractor’s liability insurers shall evidence their cognizance of the Hold Harmless and Indemnification in favor of St. Tammany Parish Government by referencing same on the face of the Certificate(s) of Insurance.

Cancellation Notice: Producer shall provide thirty (30) days prior written notice to the Parish of policy cancellation or substantive policy change.

- 53. The types of insurance coverage the Contractor is required to obtain and maintain throughout the duration of the Contract shall be designated by a separate document issued by the Office of Risk Management.
- 54. It is the intent of these instructions that they are in conformance with State Bid Laws. Should there be any discrepancy or ambiguity in these provisions, the applicable State Bid Law shall apply.
- 55. The letting of any public contract in connection with funds that are granted or advanced by the United States of America shall be subject to the effect, if any, of related laws of said United States and valid rules and regulations of federal agencies in charge, or governing use and payment of such federal funds.
- 56. Protests based on alleged solicitation improprieties that are apparent before bid opening, or the time set for receipt of initial proposals must be filed with and received by the Procurement Department BEFORE two (2) working days of the bid opening. Any other protest shall be filed no later than ten (10) calendar days after: the opening of the bid; the basis of the protest is known; or the basis of the protest should have been known (whichever is earlier).
- 57. It is the Parish’s policy to provide a method to protest exclusion from a competition or from the award of a contract, or to challenge an alleged solicitation irregularity. It is always better to seek a resolution within the Parish system before resorting to outside agencies and/or litigation to resolve differences. All protests must be made in writing, and shall be concise and logically presented to facilitate review by the Parish. The written protest shall include:

The protester’s name, address, and fax and telephone numbers and the solicitation, bid, or contract number;

A detailed statement of its legal and factual grounds, including a description of the resulting prejudice to the protester;

Copies of relevant documents;

All information establishing that the protester is an interested party and that the protest is timely; and

A request for a ruling by the agency; and a statement of the form of relief requested.

The protest shall be addressed to St. Tammany Parish Government Department of Procurement, P.O. Box 628, Covington, LA 70434

The protest review shall be conducted by the Parish Legal Department.

Only protests from interested parties will be allowed. Protests based on alleged solicitation improprieties that are apparent before bid opening, or the time set for receipt of initial proposals, must be filed with and received by the Department of Procurement BEFORE those deadlines.

Any other protest shall be filed no later than ten (10) calendar days after the basis of the protest is known, or should have been known (whichever is earlier).

The Parish will use its best efforts to resolve the protest within thirty (30) days of the date that it is received by the Parish. The written response will be sent to the protestor via mail and fax, if a fax number has been provided by the protestor. The protester can request additional methods of notification.

- 58. The last day to submit questions to Procurement shall be no later than 2:00 pm CST, seven (7) working days prior to the opening of bids, and verification on comparable products will be no later than 2:00 pm CST, fourteen (14) working days prior to the opening date of the bid/proposal due date. Further, any questions or inquiries must be submitted via fax to 985-898-5227, or via email to Procurement@stpgov.org. Any questions or inquiries received after the required deadline to submit questions or inquiries will not be answered.

Schedule of Events

	<u>Date</u>	<u>Time (CT)</u>
Bid Due Date	July 15, 2026	2:00 PM
Inquiry Deadline	July 6, 2026	2:00 PM
Addendum Deadline	July 10, 2026	2:00 PM

NOTE: The Parish reserves the right to revise this schedule. Any such revision will be formalized by the issuance of an addendum to the Bid Request.

- 59. St. Tammany Parish Government contracts to be awarded are dependent on the available funding and/or approval by members designated and/or acknowledged by St. Tammany Parish Government. At any time, St. Tammany Parish Government reserves the right to cancel the award of a contract if either or both of these factors is deficient.
- 60. Any action by the Parish to disqualify any Bidder on the grounds that they are not a responsible Bidder shall be conducted in accordance with LSA-R.S. 38:2212(X).
- 61. Failure to complete or deliver within the time specified or to provide the services as specified in the bid or response will constitute a default and may cause cancellation of the contract. Where the Parish has determined the contractor to be in default. The Parish reserves the right to purchase any or all products or services covered by the contract on the open market and to charge the contractor with the cost in excess of the contract price. Until such assessed charges have been paid, no subsequent bid or response from the defaulting contractor will be considered.
- 62. If any part of the provisions contained herein and/or in the Specifications and Contract for the Work shall for any reason be held invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect any other provisions of this Agreement or attachment, but it shall be construed as if such invalid, illegal, or unenforceable provision or part of a provision had never been contained herein.

Section 03

Summary of Work

I. Work to Include:

Installation of span wire traffic signals, including new electrical service, concrete foundations, steel poles, and necessary equipment.

It is the Contractor’s responsibility to obtain and submit to DOTD the required Performance Bond which pertains to work specifically being done to DOTD’s traffic signal. The signal permit issued by DOTD will not be approved without the Contractor obtaining and submitting the bond. Contractor shall include all associated costs of obtaining the bond with their bid.

II. Location of Work:

Ben Thomas Rd at US 11 (Front Street), Slidell, LA

III. Documents: Bid Documents dated May 28, 2026, and entitled:

Ben Thomas Rd. Signal
Bid No. 26-34-2

IV. OTHER REQUIREMENTS (as applicable)

When not otherwise specified herein, all work and materials shall conform to the requirements of the Louisiana Department of Transportation and Development hereafter called LDOTD (2026 Edition of Louisiana Standard Specifications for Roads and Bridges).

Table 3.1

Liquidated Damages	
Original Contract Amount	Daily Charge
Dollars	Dollars
0 - 250,000	500
250,000 – 1 Million	1,000
> 1 Million – 5 Million	1,500
> 5 Million – 10 Million	2,000
> 10 Million	3,000

- Parish reserves the right to increase the Daily charge rate due to additional provisions required in order to complete the project as described in the specifications

LOUISIANA UNIFORM PUBLIC WORK BID FORM

TO: St. Tammany Parish Government
21454 Koop Dr., Suite 2F
Mandeville, La 70471

(Owner to provide name and address of owner)

BID FOR: Ben Thomas Rd. Signal
Bid No. 26-34-2

(Owner to provide name of project and other identifying information.)

The undersigned bidder hereby declares and represents that she/he; a) has carefully examined and understands the Bidding Documents, b) has not received, relied on, or based his bid on any verbal instructions contrary to the Bidding Documents or any addenda, c) has personally inspected and is familiar with the project site, and hereby proposes to provide all labor, materials, tools, appliances and facilities as required to perform, in a workmanlike manner, all work and services for the construction and completion of the referenced project, all in strict accordance with the Bidding Documents prepared by: St. Tammany Parish Government and dated: May 28, 2026.
(Owner to provide name of entity preparing bidding documents.)

Bidders must acknowledge all addenda. The Bidder acknowledges receipt of the following ADDENDA: (Enter the number the Designer has assigned to each of the addenda that the Bidder is acknowledging) .

TOTAL BASE BID: For all work required by the Bidding Documents (including any and all unit prices designated “Base Bid” * but not alternates) the sum of:
Dollars (\$)

ALTERNATES: For any and all work required by the Bidding Documents for Alternates including any and all unit prices designated as alternates in the unit price description.

Alternate No. 1 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:
N/A Dollars (\$)

Alternate No. 2 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:
N/A Dollars (\$)

Alternate No. 3 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:
N/A Dollars (\$)

NAME OF BIDDER:

ADDRESS OF BIDDER:

LOUISIANA CONTRACTOR’S LICENSE NUMBER:

NAME OF AUTHORIZED SIGNATORY OF BIDDER:

TITLE OF AUTHORIZED SIGNATORY OF BIDDER:

SIGNATURE OF AUTHORIZED SIGNATORY OF BIDDER **:

DATE:

THE FOLLOWING ITEMS ARE TO BE INCLUDED WITH THE SUBMISSION OF THIS LOUISIANA UNIFORM PUBLIC WORK BID FORM:

* The Unit Price Form shall be used if the contract includes unit prices. Otherwise it is not required and need not be included with the form. The number of unit prices that may be included is not limited and additional sheets may be included if needed.

** A CORPORATE RESOLUTION OR WRITTEN EVIDENCE of the authority of the person signing the bid for the public work as prescribed by LA R.S. 38:2212(B)(5).

BID SECURITY in the form of a bid bond, certified check or cashier’s check as prescribed by LA R.S. 38:2218(A) attached to and made a part of this bid.

LOUISIANA UNIFORM PUBLIC WORK BID FORM
UNIT PRICE FORM

TO:

St. Tammany Parish Government
21454 Koop Drive, Suite 2F
Mandeville, LA. 70471
(OWNER TO PROVIDE NAME AND ADDRESS OF OWNER)

BID FOR:

Ben Thomas Rd. Signal
Bid No. 26-24-2
(OWNER TO PROVIDE PROJECT NAME & OTHER IDENTIFYING INFO)

UNIT PRICES: This form shall be used for any & all work required by the Bidding Documents & described as unit prices. Amounts shall be stated in figures & only in figures.

Description:	☒ BASE BID	OR	☐ ALT #	TEMPORARY SIGNS AND BARRICADES	
REF NO.:	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)	
713-01-00100	1	LUMP			
Description:	☒ BASE BID	OR	☐ ALT #	MULCH VEGETATIVE	
REF NO.:	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)	
716-01-00100	0.25	TON			
Description:	☒ BASE BID	OR	☐ ALT #	SEEDING	
REF NO.:	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)	
717-01-00100	2	LB			
Description:	☒ BASE BID	OR	☐ ALT #	FERTILIZER	
REF NO.:	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)	
718-01-00100	30	LB			

Wording for "description" is to be provided by the Owner. All Quantities Estimated. The Contractor will be paid based upon actual quantities as verified by the Owner.

UNIT PRICES: This form shall be used for any & all work required by the Bidding Documents & described as unit prices. Amounts shall be stated in figures & only in figures.

Description:	☒ BASE BID OR ☐ ALT #	MOBILIZATION		
REF NO.:	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)
727-01-00100	1	LUMP		
Description:	☒ BASE BID OR ☐ ALT #	SIGN (TYPE A)		
REF NO.:	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)
729-01-00100	2	EACH		
Description:	☒ BASE BID OR ☐ ALT #	SIGNAL POLE (30 FOOT STEEL STRAIN POLE)		
REF NO.:	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)
736-04-01300	4	EACH		
Description:	☒ BASE BID OR ☐ ALT #	SIGNAL HEADS (3 SECTION, 12 INCH LED LENS R,Y,G)		
REF NO.:	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)
736-05-30000	6	EACH		
Description:	☒ BASE BID OR ☐ ALT #	SIGNAL HEADS (5 SECTION, 12 INCH LED LENS R ,LT Y, Y, LT G, G)		
REF NO.:	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)
736-05-51000	1	EACH		
Description:	☒ BASE BID OR ☐ ALT #	SIGNAL SERVICE		
REF NO.:	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)
736-06-00100	1	EACH		

UNIT PRICES: This form shall be used for any & all work required by the Bidding Documents & described as unit prices. Amounts shall be stated in figures & only in figures.

Description:		☒ BASE BID	OR	☐ ALT #	SIGNAL CONTROLLER (980 ATC, TYPE 2)(FURNISH & INSTALL)	
REF NO.:	QUANTITY	UNIT OF MEASURE		UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)	
736-08-00102	1	EACH				
Description:		☒ BASE BID	OR	☐ ALT #	UNDERGROUND JUNCTION BOX (TYPE E)	
REF NO.:	QUANTITY	UNIT OF MEASURE		UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)	
736-10-00200	1	EACH				
Description:		☒ BASE BID	OR	☐ ALT #	CONDUIT (2" HDPE, SCHEDULE 80)	
REF NO.:	QUANTITY	UNIT OF MEASURE		UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)	
736-11-00200	30	LNFT				
Description:		☒ BASE BID	OR	☐ ALT #	CONDUCTOR (3C, #14 AWG)	
REF NO.:	QUANTITY	UNIT OF MEASURE		UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)	
736-12-03014	50	LNFT				
Description:		☒ BASE BID	OR	☐ ALT #	CONDUCTOR (6C, #14 AWG)	
REF NO.:	QUANTITY	UNIT OF MEASURE		UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)	
736-12-06014	125	LNFT				
Description:		☒ BASE BID	OR	☐ ALT #	CONDUCTOR (10C, #14 AWG)	
REF NO.:	QUANTITY	UNIT OF MEASURE		UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)	
736-12-10014	225	LNFT				

UNIT PRICES: This form shall be used for any & all work required by the Bidding Documents & described as unit prices. Amounts shall be stated in figures & only in figures.

Description:	☒ BASE BID	OR	☐ ALT #	SIGNAL SUPPORT (FOUNDATION, 36 INCH MINIMUM DIAMETER)	
REF NO.:	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)	
736-15-03600	4	EACH			
Description:	☒ BASE BID	OR	☐ ALT #	SUPPORT CABLE (SPAN) 3/8"	
REF NO.:	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)	
736-25-00002	574	LNFT			
Description:	☒ BASE BID	OR	☐ ALT #	SIGNAL RADAR VEHICLE DETECTION SENSOR (STOP BAR)	
REF NO.:	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)	
NS-736-00120	2	EACH			
Description:	☒ BASE BID	OR	☐ ALT #	SIGNAL RADAR VEHICLE DETECTION SENSOR (ADVANCED)	
REF NO.:	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)	
NS-736-00121	2	EACH			
Description:	☒ BASE BID	OR	☐ ALT #	SIGNAL RADAR VEHICLE DETECTION SYSTEM CABINET INTERFACE UNIT (CIU)	
REF NO.:	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)	
NS-736-00122	1	EACH			
Description:	☒ BASE BID	OR	☐ ALT #	SIGNAL RADAR VEHICLE DETECTION (CABLE)	
REF NO.:	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)	
NS-736-00123	405	LNFT			

UNIT PRICES: This form shall be used for any & all work required by the Bidding Documents & described as unit prices. Amounts shall be stated in figures & only in figures.

Description: ☒ BASE BID OR ☐ ALT # SIGNAL RADAR VEHICLE DETECTION SYSTEM TRAINING				
REF NO.:	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)
NS-736-00124	1	LUMP		
Description: ☒ BASE BID OR ☐ ALT # TS-2 TRAFFIC SIGNAL CABINET (POLE MOUNTED)				
REF NO.:	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)
NS-736-00131	1	EACH		
Description: ☐ BASE BID OR ☐ ALT #				
REF NO.:	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)
Description: ☐ BASE BID OR ☐ ALT #				
REF NO.:	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)
Description: ☐ BASE BID OR ☐ ALT #				
REF NO.:	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)
Description: ☐ BASE BID OR ☐ ALT #				
REF NO.:	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)
Description: ☐ BASE BID OR ☐ ALT #				
REF NO.:	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)

Section 05

**AFFIDAVIT PURSUANT TO LSA-R.S. 38:2224 and 38:2227
FOR BIDDERS FOR PUBLIC WORKS CONTRACTS**

STATE OF _____

PARISH/COUNTY OF _____

BEFORE ME, the undersigned authority, in and for the above stated State and Parish (or County), personally came and appeared:

Print Name

who, after first being duly sworn, did depose and state:

1. That affiant is appearing on behalf of _____, who is seeking a public contract with St. Tammany Parish Government.
2. That affiant employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for affiant; and
3. That no part of the contract price received by affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for affiant.
4. If affiant is a sole proprietor, that after July 2, 2010, he/she has not been convicted of, or has not entered a plea of guilty or *nolo contendere* to any of the crimes or equivalent federal crimes listed in LSA-R.S. 38:2227(B).
5. If affiant is executing this affidavit on behalf of a juridical entity such as a partnership, corporation, or LLC, etc., that no individual partner, incorporator, director, manager, officer, organizer, or member, who has a minimum of a ten percent ownership in the bidding entity, has been convicted of, or has entered a plea of guilty or *nolo contendere* to any

of the crimes or equivalent federal crimes listed in LSA-R.S. 38:2227(B).

- 6. If affiant is a sole proprietor, that neither affiant, nor his/her immediate family is a public servant of St. Tammany Parish Government or the Contract is not under the supervision or jurisdiction of the public servant’s agency.
- 7. If affiant is executing this affidavit on behalf of a juridical entity such as a partnership, corporation, or LLC, etc., that no public servant of St. Tammany Parish Government, or his/her immediate family, either individually or collectively, has more than a 25% ownership interest in the entity seeking the Contract with St. Tammany Parish Government if the Contract will be under the supervision or jurisdiction of the public servant’s agency.

Printed Name: _____
Title: _____
Entity name: _____

THUS SWORN TO AND SUBSCRIBED BEFORE ME,
THIS _____, DAY OF _____, 202__.

Notary Public
Print Name: _____
Notary I.D./Bar No.: _____
My commission expires: _____

**AFFIDAVIT PURSUANT TO LSA-R.S. 38:2212.10 CONFIRMING
REGISTRATION AND PARTICIPATION IN A STATUS VERIFICATION
SYSTEM**

STATE OF _____
PARISH/COUNTY OF _____

BEFORE ME, the undersigned authority, in and for the above stated State and Parish (or County), personally came and appeared:

Print Name

who, after first being duly sworn, did depose and state:

- 1. That affiant is appearing on behalf of _____,
a private employer seeking a bid or a contract with St. Tammany Parish Government for the physical performance of services within the State of Louisiana.

- 2. That affiant is registered and participates in a status verification system to verify that all employees in the state of Louisiana are legal citizens of the United States or are legal aliens; and

- 3. That affiant shall continue, during the term of the contract, to utilize a status verification system to verify the legal status of all new employees in the state of Louisiana.

- 4. That affiant shall require all subcontractors to submit to the affiant a sworn affidavit verifying compliance with this law.

Printed Name: _____
Title: _____
Name of Entity: _____

THUS SWORN TO AND SUBSCRIBED BEFORE ME,
THIS _____, **DAY OF** _____, **202**__.

Notary Public
Print Name: _____
Notary I.D./Bar No.: _____
My commission expires: _____



INSURANCE REQUIREMENTS*

Construction Project: Ben Thomas Rd Signal_____

Bid#: 26-34-2_____

*****IMPORTANT – PLEASE READ*****

Prior to submitting your quote or bid, it is recommended that you review these insurance requirements with your insurance broker/agent.

These requirements modify portions of the insurance language found in the General Conditions and/or Supplementary General Conditions; however, there is no intention to remove all sections pertaining to insurance requirements and limits set forth in the General Conditions and/or Supplementary General Conditions, only to amend and specify those items particular for this Project.

- A. The Provider shall secure and maintain at its expense such insurance that will protect it and St. Tammany Parish Government (the "Parish") from claims for bodily injury, death or property damage as well as from claims under the Workers' Compensation Acts that may arise from the performance of services under this agreement. All certificates of insurance shall be furnished to the Parish and provide thirty (30) days prior notice of cancellation to the Parish, in writing, on all of the required coverage.

- B. All policies shall provide for and certificates of insurance shall indicate the following:
 - 1. Waiver of Subrogation: The Provider's insurers will have no right of recovery or subrogation against the Parish of St. Tammany, it being the intention of the parties that all insurance policy(ies) so affected shall protect both parties and be the primary coverage for any and all losses covered by the below described insurance.
 - 2. Additional Insured: St. Tammany Parish Government shall be named as Additional Insured with respect to general liability, automobile liability and excess liability coverages, as well as marine liability and pollution/environmental liability, when those coverages are required or necessary.
 - 3. Payment of Premiums: The insurance companies issuing the policy or policies will have no recourse against St. Tammany Parish Government for payment of any premiums or for assessments under any form of policy.
 - 4. Project Reference: The project(s) and location(s) shall be referenced in the Comment or Description of Operations section of the Certificate of Insurance (Project ##-###, or Bid # if applicable, Type of Work, Location).

- C. Coverage must be issued by insurance companies authorized to do business in the State of Louisiana. Companies must have an A.M. Best rating of no less than A-, Category VII. St. Tammany Parish Risk Management Department may waive this requirement only for Workers Compensation coverage at their discretion.

Provider shall secure and present proof of insurance on forms acceptable to St. Tammany Parish Government, Office of Risk Management no later than the time of submission of the Contract to the Parish. However, should any work performed under this Contract by or on behalf of Provider include exposures that are not covered by those insurance coverages, Provider is not relieved of its obligation to maintain appropriate levels and types of insurance necessary to protect itself, its agents and employees, its subcontractors, St. Tammany Parish Government (Owner), and all other interested third parties, from any and all claims for damage or injury in connection with the services performed or provided throughout the duration of this Project, as well as for any subsequent periods required under this Contract.

The insurance coverages checked (✓) below are those required for this Contract.

- ☒ 1. **Commercial General Liability*** insurance – **Occurrence Form** - with a Combined Single Limit for bodily injury and property damage of at least \$1,000,000 per Occurrence / \$2,000,000 General Aggregate and \$2,000,000 Products-Completed Operations. Contracts over \$1,000,000 may require higher limits. The insurance shall provide for and the certificate(s) of insurance shall indicate the following coverages:
 - a) Premises - operations;
 - b) Broad form contractual liability;
 - c) Products and completed operations;
 - d) Personal/Advertising Injury;
 - e) Broad form property damage (for Projects involving work on Parish property);
 - f) Explosion, Collapse and Damage to underground property.
 - g) Additional Insured forms CG 2010 and CG 2037 in most current edition are required.
- ☒ 2. **Business Automobile Liability*** insurance with a Combined Single Limit of \$1,000,000 per Occurrence for bodily injury and property damage, and shall include coverage for the following:
 - a) Any auto;
 - or**
 - b) Owned autos; **and**
 - c) Hired autos; **and**
 - d) Non-owned autos.
- ☒ 3. **Workers' Compensation/Employers Liability insurance*** - Workers' Compensation coverage as required by State law. Employers' liability limits shall be a minimum of \$1,000,000 each accident, \$1,000,000 each disease, \$1,000,000 disease policy aggregate. When water activities are expected to be performed in connection with this project, coverage under the USL&H Act, Jones Act and/or Maritime Employers Liability (MEL) must be included. **Coverage for owners, officers and/or partners in any way engaged in the Project shall be included in the policy.** The names of any excluded individual must be shown in the Description of Operations/Comments section of the Certificate.
- ☐ 4. **Pollution Liability and Environmental Liability*** insurance in the minimum amount of \$1,000,000 per occurrence / \$2,000,000 aggregate including full contractual liability and third party claims for bodily injury and/or property damage, for all such hazardous waste, pollutants and/or environmental exposures that may be affected by this project stemming from pollution/environmental incidents as a result of Contractor's operations.

If coverage is provided on a claims-made basis, the following conditions apply:

- 1) the retroactive date must be prior to or coinciding with the effective date of the Contract, or prior to the commencement of any services provided by the Contractor on behalf of the Parish, whichever is earlier; AND
- 2) continuous coverage must be provided to the Parish with the same retro date for 24 months following acceptance or termination of the Project by the Parish either by
 - a) continued renewal certificates **OR**
 - b) a 24 month Extended Reporting Period

*The Certificate must indicate whether the policy is written on an occurrence or claims-made basis and, if claims-made, the applicable retro date must be stated.

- ☐ 5. **Contractor's Errors and Omissions*** insurance in the sum of at least \$1,000,000 per claim / \$2,000,000 aggregate is required when work performed by Contractor or on behalf of Contractor to include coverage for, but not limited to: negligence, mistakes, faulty workmanship, improper installation, not following design specifications, etc. An occurrence basis policy is preferred.

If coverage is provided on a claims-made basis, the following conditions apply:

- 1) the retroactive date must be prior to or coinciding with the effective date of the Contract, or prior to the commencement of any services provided by the Contractor on behalf of the Parish, whichever is earlier; AND
- 2) continuous coverage must be provided to the Parish with the same retro date for 24 months following acceptance or termination of the Project by the Parish either by
 - a) continued renewal certificates **OR**
 - b) a 24 month Extended Reporting Period

*The Certificate must indicate whether the policy is written on an occurrence or claims-made basis and, if claims-made, the applicable retro date must be stated.

- ☐ 6. **Marine Liability/Protection and Indemnity*** insurance is required for any and all vessel and/or marine operations in the minimum limits of \$1,000,000 per occurrence / \$2,000,000 per project general aggregate. The coverage shall include, but is not limited to, the basic coverages found in the Commercial General Liability insurance and coverage for third party liability

***Excess/Umbrella Liability** insurance may be provided to meet the limit requirements for any Liability coverage. For example: if the General Liability requirement is \$3,000,000 per occurrence, but the policy is only \$1,000,000 per occurrence, then the excess policy should be at least \$2,000,000 per occurrence thereby providing a combined per occurrence limit of \$3,000,000.)

- ☐ 7. **Owners Protective Liability (OPL)** shall be furnished by the Contractor and shall provide coverage in the minimum amount of \$1,000,000 CSL each occurrence / \$1,000,000 aggregate. **St. Tammany Parish Government, ATTN: Risk Management Department, P. O. Box 628, Covington, LA 70434 shall be the first named insured on the policy.**

- ☐ 8. **Builder's Risk Insurance** written as an "all-risk" policy providing coverage in an amount at or greater than one hundred percent (100%) of the completed value of the contracted project. Any contract modifications increasing the contract cost will require an increase in the limit of the Builder's Risk policy. Deductibles should not exceed \$5,000 and Contractor shall be responsible for all policy deductibles. This insurance shall cover materials at the site, stored off the site, and in transit. The Builder's Risk Insurance shall include the interests of the Owner, Contractor and Subcontractors and shall terminate only when the Project is accepted in writing. **St. Tammany Parish Government, ATTN: Risk Management Department, P. O. Box 628, Covington, LA 70434 shall be named as a Loss Payee on the policy.**

- ☐ 9. **Installation Floater Insurance**, on an "all-risk" form, shall be furnished by Contractor and carried for the full value of the materials, machinery, equipment and labor for each location. The Contractor shall be responsible for all policy deductibles. The Installation Floater Insurance shall provide coverage for property owned by others and include the interests of the Owner, Contractor and Subcontractors and shall terminate only when the Project is accepted in writing. **St. Tammany Parish Government, ATTN: Risk Management Department, P. O. Box 628, Covington, LA 70434 shall be named as a Loss Payee on the policy.**

- D. All policies of insurance shall meet the requirements of the Parish prior to the commencing of any work. The Parish has the right, but not the duty, to approve all insurance coverages prior to commencement of work. If any of the required policies are or become unsatisfactory to the Parish as to form or substance; or if a company issuing any policy is or becomes unsatisfactory to the Parish, the Provider shall promptly obtain a new policy, timely submit same to the Parish for approval, and submit a certificate thereof as provided above. The Parish agrees not to unreasonably withhold approval of any insurance carrier selected by Provider. In the event that Parish cannot agree or otherwise authorize a carrier, Provider shall have the option of selecting and submitting a new insurance carrier within 30 days of said notice by the Parish. In the event that the second submission is insufficient or is not approved, then the Parish shall have the unilateral opportunity to thereafter select a responsive and responsible insurance carrier all at the cost of Provider and thereafter deduct from Provider's fee the cost of such insurance.
- E. Upon failure of Provider to furnish, deliver and/or maintain such insurance as above provided, this contract, at the election of the Parish, may be declared suspended, discontinued or terminated. Failure of the Provider to maintain insurance shall not relieve the Provider from any liability under the contract, nor shall the insurance requirements be construed to conflict with the obligation of the Provider concerning indemnification.
- F. Provider shall maintain a current copy of all annual insurance policies and agrees to provide a certificate of insurance to the Parish on an annual basis or as may be reasonably requested for the term of the contract or any required Extended Reporting Period. Provider further shall ensure that all insurance policies are maintained in full force and effect throughout the duration of the Project and shall provide the Parish with annual renewal certificates of insurance evidencing continued coverage, without any prompting by the Parish.
- G. It shall be the responsibility of Provider to require that these insurance requirements are met by all contractors and sub-contractors performing work for and on behalf of Provider. Provider shall further ensure the Parish is named as an additional insured on all insurance policies provided by said contractor and/or sub-contractor throughout the duration of the project.
- H. Certificates of Insurance shall be issued as follows:

**St. Tammany Parish Government
Attn: Risk Management
P O Box 628
Covington, LA 70434**

To avoid contract processing delays, be certain the project name/number is included on all correspondence including Certificates of Insurance.

***NOTICE: St. Tammany Parish Government reserves the rights to remove, replace, make additions to and/or modify any and all of the insurance requirements at any time.**

Any inquiry regarding these insurance requirements should be addressed to:

**St. Tammany Parish Government
Office of Risk Management
P O Box 628
Covington, LA 70434
Telephone: 985-898-5226
Email: riskman@stpgov.org**

Section 07

Project Signs

1. General

- a. Work to include providing and installing project sign(s) at the beginning of the project. Some projects may require multiple signs. Should more than one sign be required, it will be reflected in the bidding documents.

2. Materials

- a. The printed project sign(s) shall be 3/8" primed Medium Density Overlay (MDO) **OR** 3-millimeter corrugated plastic secured to exterior plywood (4' x 4').
- b. Contractor shall not use previously provided templates and/or fonts.

3. Execution

- a. The sign(s) shall be printed on a project-by-project basis in black and white, using the template and font provided to the Contractor by the St. Tammany Parish Government Project Manager.
- b. All signage proofed and approved by State Tammany Parish Government before project sign(s) are to be produced by the Contractor.
- c. Exact placement of the project sign(s) must be coordinated with, and approved by, the St. Tammany Parish Government Project Manager prior to sign installation.
- d. The sign(s) is to be installed such that the bottom of the sign is a minimum of 5' above the existing ground elevation.
- e. Sign(s) is to be maintained throughout the period of construction. If sign(s) is damaged or destroyed, repair and/or replacement of sign(s) will be at Contractor's expense.
- f. Contractor is responsible for the removal of all project signs upon issuance of final acceptance by the St. Tammany Parish Government Project Manager at no direct pay.
- g. Cost to be included in "Temporary Signs and Barricades

Blank Template of Parish Project Sign:



MICHAEL B. COOPER
Parish President

Councilmember Name
Council District X

\$XXX,XXX.XX

Project Name
Description of
Project Work

Short Description of Project stated here
(if deemed applicable by the Parish)

Name of Street, Bridge,
Subdivision, etc. stated here

Total Dollar \$
amount specified here

Example of a Completed Parish Project Sign:



MICHAEL B. COOPER
Parish President

RYKERT O. TOLEDANO, JR
Council District 5

\$514,444.40

Dove Park
Subdivision Drainage
Drainage Improvements along
Swallow St., Sparrow St.,
Partridge St. and Egret St.

Section 08

General Conditions for St. Tammany Parish Government

This index is for illustrative purposes only and is not intended to be complete nor exhaustive.

All bidders/contractors are presumed to have read and understood the entire document. Some information contained in these conditions may not be applicable to all projects.

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01.00 DEFINITIONS OF TERMS

Whenever used in these General Conditions or in other Contract Documents, the following terms shall have the meanings indicated, and these shall be applicable to both the singular and plural thereof.

- 01.01 A.A.S.H.T.O American Association of State Highway and Transportation Officials. When A.A.S.H.T.O. is referred to in these Specifications it takes the meaning of the specification for materials and methods of testing specified by this association and the specification stated is considered to be a part of the Specifications as if written herein in full.
- 01.02 A.C.I American Concrete Institute. When A.C.I. is referred to in these Specifications it takes the meaning of the specification for materials and methods of testing specified by this institute and the specification stated is considered to be a part of the Specifications as if written herein in full.
- 01.03 Addenda Written or graphic instruments issued prior to the opening of bids which clarify, correct, modify or change the bidding or Contract Documents.
- 01.04 Advertisement The written instrument issued by the Owner at the request of the Owner used to notify the prospective bidder of the nature of the Work. It becomes part of the Contract Documents.
- 01.05 Agreement The written agreement or contract between the Owner and the Contractor covering the Work to be performed and the price that the Owner will pay. Other documents, including the Proposal, Addenda, Specifications, plans, surety, insurance, etc., are made a part thereof.
- 01.06 Application for Payment The form furnished by the Owner which is to be used by the Contractor in requesting incremental (progress) payments and which is to include information required by Section 28.01 and an affidavit of the Contractor. The affidavit shall stipulate that progress payments theretofore received from the Owner on account of the Work have been applied by Contractor to discharge in full of all Contractor's obligations reflected in prior applications for payment.
- 01.07 A.S.T.M. American Society of Testing Materials. When A.S.T.M. is referred to in these Specifications it takes the meaning of the specification for materials and methods of testing specified by this society and the specification stated is considered to be a part of the Specifications as if written herein in full.
- 01.08 Bid The offer or Proposal of the Bidder submitted on the prescribed form setting forth all the prices for the Work to be performed.
- 01.09 Bidder Any person, partnership, firm or corporation submitting a Bid for the Work.
- 01.10 Bonds Bid, performance and payment bonds and other instruments of security, furnished by the Contractor and its surety in accordance with the Contract Documents and Louisiana law.
- 01.11 Change Order A written order to the Contractor signed by the Owner authorizing an addition, deletion or revision in the Work, or an adjustment in the Contract Price or the Contract Time after execution of the Agreement.
- 01.12 Contract Documents The Agreement, Addenda, Contractor's Bid and any documentation accompanying or post-bid documentation when attached as an exhibit, the Bonds, these General Conditions, the Advertisement for Bid, Notice to Contractor, all supplementary conditions, the Specifications, the Drawings, together with all Modifications issued after the execution of the Agreement.
- 01.13 Contract Price The total monies payable to the Contractor under the Contract Documents.

- 01.14 Contract Time The number of consecutive calendar days stated in the Agreement for the completion of the Work.
- 01.15 Contractor The person, firm, corporation or Contractor with whom the Owner has executed the Agreement.
- 01.16 Defective Work When work which is unsatisfactory, faulty or deficient for any reason whatsoever, or does not conform to the Contract Documents, or does not meet the requirements of any inspection, test or approval referred to in the Contract Documents, or has been damaged prior to the Owner's recommendation or acceptance.
- 01.17 Drawings The Drawings and plans which show the character and scope of the Work to be performed and which have been prepared or approved by the Owner and are referred to in the Contract Documents.
- 01.18 Field Order A written order issued by the Owner or his agent which clarifies or interprets the Contract Documents.
- 01.19 Modification (a) A written amendment of the Contract Documents signed by both parties, (b) A Change Order, (c) A written clarification or interpretation issued by the Owner or his agent. Modification may only be issued after execution of the Agreement.
- 01.20 Notice of Award The written notice by Owner to the lowest responsible Bidder stating that upon compliance of the conditions enumerated in the Notice of Award, or enumerated in the Bid documents, the Owner will deliver the Contract Documents for signature. The time for the delivery of the Contract Documents can be extended in conformance with Louisiana Law.
- 01.21 Notice to Contractor Instructions, written or oral given by Owner to Contractor and deemed served if given to the Contractor's superintendent, foreman or mailed to Contractor at his last known place of business.
- 01.22 Notice to Proceed A written notice given by the Owner fixing the date on which the Contract Time will commence, and on which date the Contractor shall start to perform his obligation under the Contract Documents. Upon mutual consent by both parties, the Notice to Proceed may be extended.
- 01.23 Owner St. Tammany Parish Government, acting herein through its duly constituted and authorized representative, including but not limited to the Office of the Parish President or its designee, its Chief Administrative Officer, and/or Legal Counsel. St. Tammany Parish Government (hereinafter, the "Parish") and Owner may be used interchangeably.
- 01.24 Project The entire construction to be performed as provided in the Contract Documents.
- 01.25 Project Representative The authorized representative of the Owner who is assigned to the Project or any parts thereof.
- 01.26 Proposal The Bid submitted by the Bidder to the Owner on the Proposal form setting forth the Work to be done and the price for which the Bidder agrees to perform the Work.
- 01.27 Shop Drawings All drawings, diagrams, illustrations, brochures, schedules and other data which are prepared by the Contractor, Subcontractor, Manufacturer, Supplier or Distributor and which illustrate the equipment, material or some portion of the Work.
- 01.28 Specifications The Instructions to Bidders, these General Conditions, the Special Conditions and the Technical Provisions. All of the documents listed in the "Table of Contents."
- 01.29 Subcontractor An individual, firm or corporation having a direct Contract with the Contractor or with any other Subcontractor for the performance of a part of the Project Work.
- 01.30 Substantial Completion The date as certified by the Owner or its agent when the construction of the Project or a specified part thereof is sufficiently complete in accordance with the Contract Documents so that the Project or specified part can be utilized for the

purposes for which it was intended; or if there is no such certification, the date when final payment is due in accordance with Section 28.

- 01.31 Superintendent Contractor's site representative. The person on the site who is in full and complete charge of the Work.
- 01.32 Time Unless specifically stated otherwise, all time delays shall be calculated in calendar days.
- 01.33 Work Any and all obligations, duties and responsibilities necessary to the successful completion of the Project assigned to or undertaken by the Contractor under the Contract Documents, usually including the furnishing of all labor, materials, equipment and other incidentals.
- 01.34 The terms "he/himself" may be used interchangeably with "it/itself."

02.00 PROPOSAL

- 02.01 All papers bound with or attached to the Proposal Form are a necessary part thereof and must not be detached.
- 02.02 For submitting Bids, the only forms allowed shall be the "Louisiana Uniform Public Work Bid Form", "Louisiana Uniform Public Works Bid Form Unit Price Form" (if necessary), the Bid Bond, and written evidence of authority of person signing the bid. Necessary copies of the Louisiana Uniform Public Work Forms will be furnished for Bidding. Bound sets of the Contract Documents are for Bidder's information and should not be used in submitting Bids.
- 02.03 Proposal forms must be printed in ink or typed, unless submitted electronically. Illegibility or ambiguity therein may constitute justification for rejection of the Bid.
- 02.04 Each Bid must be submitted in a sealed envelope, unless submitted electronically. The outside of the envelope shall show the name and address of the Bidder, the State Contractor's License Number of the Bidder (if work requires contractor's license), and the Project name and number for which the Bid is submitted, along with the Bid number.
- 02.05 The price quoted for the Work shall be stated in words and figures on the Bid Form, and in numbers only on the Unit Price Form. The price in the Proposal shall include all costs necessary for the complete performance of the Work in full conformity with the conditions of the Contract Documents, and shall include all applicable Federal, State, Parish, Municipal or other taxes. The price bid for the items listed on the Unit Price Form will include the cost of all related items not listed, but which are normally required to do the type of Work bid.
- 02.06 The Bid shall be signed by the Bidder. The information required on the Louisiana Uniform Public Work Bid Form must be provided. Evidence of agency, corporate, or partnership authority is required and shall be provided in conformance with LSA-R.S. 38:2212(B).
- 02.07 Only the Contractors licensed by the State to do the type of Work involved can submit a Proposal for the Work. The envelope containing the Proposal shall have the Contractor's license number on it. Failure to be properly licensed constitutes authority by the Owner for rejection of Bid.
- 02.08 Bidders shall not attach any conditions or provisions to the Proposal. Any conditions or provisions so attached may, at the sole option of the Owner, cause rejection of the Bid or Proposal.
- 02.09 A Bid Guarantee of five percent (5%) of the amount of the total Bid, including Alternates, must accompany the Proposal and, at the option of the Bidder, may be a cashier's check, certified check or a satisfactory Bid Bond. The Bid Guarantee must be attached to the Louisiana Uniform Public Work Bid Form. No Bid will be considered unless it is so guaranteed. Cashier's check or certified check must be made payable to the order of the Owner. Cash deposits will not be accepted. The Owner reserves the right to cash or deposit the cashier's check or certified check. Such guarantees shall be made payable to the Parish

of St. Tammany. In accordance with LSA-R.S. 38:2218(C), if a bid bond is used, it shall be written by a surety or insurance company currently on the U.S. Department of the Treasury Financial Management Service list of approved bonding companies which is published annually in the Federal Register, or by a Louisiana domiciled insurance company with at least an A- rating in the latest printing of the A.M. Best's Key Rating Guide to write individual bonds up to ten percent of policyholders' surplus as shown in the A.M. Best's Key Rating Guide, or by an insurance company in good standing licensed to write bid bonds which is either domiciled in Louisiana or owned by Louisiana residents. It is **not** required to be on any AIA form.

- 02.10 Bid securities of the three (3) lowest Bidders will be retained by the Owner until the Contract is executed or until final disposition is made of the Bids submitted. Bid securities of all other Bidders will be returned promptly after the canvas of Bids. Bids shall remain binding for forty-five (45) days after the date set for Bid Opening. The Parish shall act within the forty-five (45) days to award the contract to the lowest responsible bidder or reject all bids as permitted by Public Bid Law. However, the Parish and the lowest responsible bidder, by mutual written consent, may agree to extend the deadline for award by one or more extensions of thirty (30) calendar days. In the event the Owner issued the Letter of Award during this period, or any extension thereof, the Bid accepted shall continue to remain binding until the Execution of the Contract.
- 02.11 A Proposal may be withdrawn at any time prior to the scheduled closing time for receipt of Bids, provided the request is in writing, executed by the Bidder or its duly authorized representative and is filed with the Owner prior to that time. When such a request is received, the Proposal will be returned to the Bidder unopened.
- 02.12 Written communications, over the signature of the Bidder, to modify Proposals will be accepted and the Proposal corrected in accordance therewith if received by the Owner prior to the scheduled closing time for receipt of Bids. Oral, telephonic or telegraphic Modifications will not be considered.
- 02.13 No oral interpretation obligating the Owner will be made to any Bidder as to the meaning of the Drawings, Specifications and Contract Documents. Every request for such an interpretation shall be made in writing and addressed and forwarded to the Owner. No inquiry received within seven (7) days prior to the day fixed for opening of the Bids shall be given consideration. Every interpretation made to the Bidder shall be in the form of an addendum to the Specifications. All such Addenda shall become part of the Contract Documents. Failure of Bidder to receive any such interpretation shall not relieve any Bidder from any obligation under this Bid. All Addenda shall be issued in accordance with the Public Bid Law, LSA-R.S. 38:2212(O)(2)(a) and (b).
- 02.14 The Owner reserves the right to reject any or all Bids for just cause in accordance with the Public Bid Law, LSA-R.S. 38:2214(B). Incomplete, informal or unbalanced Bids may be rejected. Reasonable grounds for belief that any one Bidder is concerned directly or indirectly with more than one Bid will cause rejection of all Bids wherein such Bidder is concerned. If required, a Bidder shall furnish satisfactory evidence of its competence and ability to perform the Work stipulated in its Proposal. Incompetence will constitute cause for rejection. If the Parish determines that the bidder is not responsive or responsible for any reason whatsoever, the bid may be rejected in accordance with State law.
- 02.15 The Contractor shall indemnify and hold harmless the Owner from any and all suits, costs, penalties or claims for infringement by reason of use or installation of any patented design, device, material or process, or any trademark and copyright in connection with the Work agreed to be performed under this Contract, and shall indemnify and hold harmless the Owner for any costs, expenses and damages which it may be obliged to pay by reason of any such infringement at any time during the prosecution or after completion of the Work.
- 02.16 Bidders shall familiarize themselves with and shall comply with all applicable Federal and State Laws, municipal ordinances and the rules and regulations of all authorities having jurisdiction over construction of the Project, which may directly or indirectly affect the Work or its prosecution. These laws and/or ordinances will be deemed to be included in the Contract, as though herein written in full.
- 02.17 Each Bidder shall visit the site of the proposed Work and fully acquaint itself with all surface and subsurface conditions as they may exist so that it may fully understand this

Contract. Bidder shall also thoroughly examine and be familiar with drawings, Specifications and Contract Documents. The failure or omission of any Bidder to receive or examine any form instrument, Drawing or document or to visit the site and acquaint itself with existing conditions, shall in no way relieve any Bidder from any obligation with respect to its Bid and the responsibility in the premises.

- 02.18 The standard contract form enclosed with the Proposal documents is a prototype. It is enclosed with the Contract Documents for the guidance of the Owner and the Contractor. It has important legal consequences in all respects and consultation with an attorney is encouraged. Contractor shall be presumed to have consulted with its own independent legal counsel.
- 02.19 When one set of Contract plans show the Work to be performed by two or more prime Contractors, it is the responsibility of each Bidder to become knowledgeable of the Work to be performed by the other where the Work upon which this bid is submitted is shown to come into close proximity or into conflict with the Work of the other. In avoiding conflicts, pressure pipe lines must be installed to avoid conflict with gravity pipe lines and the Bidder of the smaller gravity pipe line in conflict with the larger gravity pipe line must include in his Bid the cost of a conflict box at these locations. The location of and a solution to the conflicts do not have to be specifically noted as such on the plans.
- 02.20 Bidder shall execute affidavit(s) attesting compliance with LSA-R.S. 38:2212.10, 38:2224, 38:2227, each as amended, and other affidavits as required by law, prior to execution of the contract.
- 02.21 Sealed Proposals (Bid) shall be received by St. Tammany Parish Government at the office of St. Tammany Parish Government, Department of Procurement, 21454 Koop Drive, Suite 2-F, Mandeville, LA 70471, until the time and date denoted in Notice to Bidders, at which time and place the Proposals (Bids), shall be publicly opened and read aloud to those present. In accordance with LSA-R.S. 38-2212(A)(3)(c)(i), the designer's final estimated cost of construction shall be read aloud upon opening bids. Sealed Proposals (Bids) may also be mailed by certified mail to St. Tammany Parish Government, Department of Procurement, 21454 Koop Drive, Suite 2-F, Mandeville, LA 70471, and must be received before the bid opening. Bids may also be submitted electronically. Information concerning links for electronic bidding is contained in the Notice to Bidders.
- 02.22 Proposals (Bids) shall be executed on Forms furnished and placed in a sealed envelope, marked plainly and prominently as indicated in the Notice to Bidders, and these General Conditions, and addressed:

St. Tammany Parish Government
Department of Procurement
21454 Koop Drive, Suite 2-F
Mandeville, LA 70471

- 02.23 Complete sets of Drawings, Specifications, and Contract Documents may be secured at the Office of the Owner. See Notice to Bidders for deposit schedule.
- 02.24 The successful bidder shall be required to post in each direction a public information sign, 4' x 8' in size, at the location of the project containing information required by the Owner. The Owner shall supply this information.

03.00 AWARD, EXECUTION OF DOCUMENTS, BONDS, ETC.

- 03.01 The award of the Contract, if it is awarded, will be to the lowest responsible Bidder, in accordance with State Law. No award will be made until the Owner has concluded such investigations as it deems necessary to establish the responsibility, qualifications and financial ability and stability of the Bidder to do the Work in accordance with the Contract Documents to the satisfaction of the Owner within the time prescribed as established by the Department based upon the amount of work to be performed and the conditions of same. The written contract and bond shall be issued in conformance with LSA-R.S. 38:2216. The Owner reserves the right to reject the Bid of any Bidder in accordance with the Public Bid Law, LSA-R.S. 38:2214. If the Contract is awarded, the Owner shall give the successful Bidder written notice of the award within forty-five (45) calendar days after

the opening of the Bids in conformance with LSA-R.S. 38:2215(A), or any extension as authorized thereunder.

- 03.02 At least three counterparts of the Agreement and of such other Contract Documents as practicable shall be signed by the Owner and the Contractor. The Owner shall identify those portions of the Contract Documents not so signed and such identification shall be binding on both parties. The Owner and the Contractor shall each receive an executed counterpart of the Contract Documents.
- 03.03 Prior to the execution of the Agreement, the Contractor shall deliver to the Owner the required Bonds.
- 03.04 Failure of the successful Bidder to execute the Agreement and deliver the required Bonds within twenty (20) days of the Notice of the Award shall be just cause for the Owner to annul the award and declare the Bid and any guarantee thereof forfeited.
- 03.05 In order to ensure the faithful performance of each and every condition, stipulation and requirement of the Contract and to indemnify and save harmless the Owner from any and all damages, either directly or indirectly arising out of any failure to perform same, the successful Bidder to whom the Contract is awarded shall furnish a surety Bond in an amount of at least equal to one hundred percent (100%) of the Contract Price. The Contract shall not be in force or binding upon the Owner until such satisfactory Bond has been provided to and approved by the Parish. The cost of the Bond shall be paid for by the Contractor unless otherwise stipulated in the Special Provisions.
- 03.06 No surety Company will be accepted as a bondsman who has no permanent agent or representative in the State upon whom notices referred to in the General Conditions of these Specifications may be served. Services of said notice on said agent or representative in the State shall be equal to service of notice on the President of the Surety Company, or such other officer as may be concerned.
- 03.07 In conformance with LSA-R.S. 38:2219(A)(1)(a), (b), and (c):

Any surety bond written for a public works project shall be written by a surety or insurance company currently on the U.S. Department of the Treasury Financial Management Service list of approved bonding companies which is published annually in the Federal Register, or by a Louisiana domiciled insurance company with at least an A- rating in the latest printing of the A.M. Best's Key Rating Guide, to write individual bonds up to ten percent of policyholders' surplus as shown in the A.M. Best's Key Rating Guide or by an insurance company that is either domiciled in Louisiana or owned by Louisiana residents and is licensed to write surety bonds.

For any public works project, no surety or insurance company shall write a bond which is in excess of the amount indicated as approved by the U.S. Department of the Treasury Financial Management Service list or by a Louisiana domiciled insurance company with an A- rating by A.M. Best up to a limit of ten percent of policyholders' surplus as shown by A.M. Best; companies authorized by this Paragraph who are not on the treasury list shall not write a bond when the penalty exceeds fifteen percent of its capital and surplus, such capital and surplus being the amount by which the company's assets exceed its liabilities as reflected by the most recent financial statements filed by the company with the Department of Insurance.

In addition, any surety bond written for a public works project shall be written by a surety or insurance company that is currently licensed to do business in the state of Louisiana. All contractors must comply with any other applicable provisions of LSA-R.S. 38:2219.

- 03.08 Should the Contractor's Surety, even though approved and accepted by the Owner, subsequently remove its agency or representative from the State or become insolvent, bankrupt, or otherwise fail, the Contractor shall immediately furnish a new Bond in another company approved by the Owner, at no cost to the Owner. The new Bond shall be executed under the same terms and conditions as the original Bond. The new bond shall be submitted within thirty (30) days of such time as the Owner notifies Contractor or from the time Contractor learns or has reason to know that the original surety is no longer financially viable or acceptable to the Parish, whichever occurs first. In the event that Contractor fails

or refuses to timely secure additional surety, then the Owner may secure such surety and thereafter deduct such cost or expense from any sum due or to become due Contractor.

- 03.09 The Contractor's bondsman shall obligate itself to all the terms and covenants of these Specifications and of contracts covering the Work executed hereunder. The Owner reserves the right to do Extra Work or make changes by altering, adding to deducting from the Work under the conditions and in the manner herein before described without notice to the Contractor's surety and without in any manner affecting the liability of bondsman or releasing it from any of its obligations hereunder.
- 03.10 The Bond shall also secure for the Owner the faithful performance of the Contract in strict accordance with plans and Specifications. It shall protect the Owner against all lien laws of the State and shall provide for payment of reasonable attorney fees for enforcement of Contract and institution or concursus proceedings, if such proceedings become necessary. Likewise, it shall provide for all additional expenses of the Owner occurring through failure of the Contractor to perform.
- 03.11 The surety of the Contractor shall be and does hereby declare and acknowledge itself by acceptance to be bound to the Owner as a guarantor, jointly and in solido, with the Contractor, for fulfillment of terms of Section 03.00.
- 03.12 The performance Bond and Labor and Material Bond forming part of this Contract shall be continued by Contractor and its Surety for a period of one (1) year from date of acceptance of this Contract by Owner to assure prompt removal and replacement of all defective material, equipment, components thereof, workmanship, etc., and to assure payment of any damage to property of Owner or others as a result of such defective materials, equipment, workmanship, etc.
- 03.13 Contractor shall pay for the cost of recording the Contract and Bond and the cost of canceling same. Contractor shall also secure and pay for all Clear Lien and Privilege Certificates (together with any updates) which will be required before any final payment is made, and that may be required before any payment, at the request of the Owner, its representative, agent, architect, engineer and the like. All recordation and Clear Lien and Privilege Certificate requirements shall be in accordance with those requirements noted herein before in contract Specifications.

04.00 SUBCONTRACTS

- 04.01 Contractor shall be fully responsible for all acts and omissions of its Subcontractors and of persons and organizations for whose acts any of them may be liable to the same extent that it is responsible for the acts and omissions of persons directly employed by it. Nothing in the Contract Documents shall create any contractual relationship between Owner and any Subcontractor or other person or organization having a direct Contract with Contractor, nor shall it create any obligation on the part of the Owner to pay or to see to the payment of any monies due any Subcontractor.
- 04.02 Nothing in the Contract Documents shall be construed to control the Contractor in dividing the Work among approved Subcontractors or delineating the Work to be performed by any trade.
- 04.03 The Contractor agrees to specifically bind every Subcontractor to all of the applicable terms and conditions of the Contract Documents prior to commencing Work. Every Subcontractor, by undertaking to perform any of the Work, shall thereby automatically be deemed bound by such terms and conditions.
- 04.04 The Contractor shall indemnify and hold harmless the Owner and their agents and employees from and against all claims, damages, losses and expenses including Attorney's fees arising out of or resulting from the Contractor's failure to bind every Subcontractor and Contractor's surety to all of the applicable terms and conditions of the Contract Documents.

05.00 ASSIGNMENT

- 05.01 Neither party to this Contract shall assign or sublet its interest in this Contract without prior written consent of the other, nor shall the Contractor assign any monies due or to become due to it under this Contract without previous written consent of the Owner, nor without the consent of the surety unless the surety has waived its right to notice of assignment.

06.00 CORRELATION, INTERPRETATION AND INTENT OF CONTRACT DOCUMENTS.

- 06.01 It is the intent of the Specifications and Drawings to describe a complete Project to be constructed in accordance with the Contract Documents. The Contract Documents comprise the entire Agreement between Owner and Contractor. Alterations, modifications and amendments shall only be in writing between these parties.
- 06.02 The Contract Documents are intended to be complimentary and to be read *in pari materii*, and what is called for by one is as binding as if called for by all. If Contractor finds a conflict, error or discrepancy in the Contract Documents, it shall call it to the Owner's attention, in writing, at once and before proceeding with the Work affected thereby; however, it shall be liable to Owner for its failure to discover any conflict, error or discrepancy in the Specifications or Drawings. In resolving such conflicts, errors and discrepancies, the documents shall be given precedence in the following order: Agreement, Modifications, Addenda, Special Conditions, General Conditions, Construction Specifications and Drawings. The general notes on the plans shall be considered special provisions. Figure dimensions on Drawings shall govern over scale dimensions and detail Drawings shall govern over general Drawings. Where sewer connections are shown to fall on a lot line between two lots, the Contractor shall determine this location by measurement not by scale. Any Work that may reasonably be inferred from the Specifications or Drawings as being required to produce the intended result shall be supplied whether or not it is specifically called for. Work, materials or equipment described herein which so applied to this Project are covered by a well-known technical meaning or specification shall be deemed to be governed by such recognized standards unless specifically excluded.
- 06.03 Unless otherwise provided in the Contract Documents, the Owner will furnish to the Contractor (free of charge not to exceed ten (10) copies) Drawings and Specifications for the execution of Work. The Drawings and Specifications are the property of the Owner and are to be returned to it when the purpose for which they are intended have been served. The Contractor shall keep one copy of all Drawings and Specifications, including revisions, Addenda, details, Shop Drawings, etc. on the Work in good order and available to the Owner or the regulatory agency of the governmental body having jurisdiction in the area of the Work.

07.00 SHOP DRAWINGS, BROCHURES AND SAMPLES

- 07.01 After checking and verifying all field measurements, Contractor shall submit to Owner for approval, five copies (or at Owner's option, one reproducible copy) of all Shop Drawings, which shall have been checked by and stamped with the approval of Contractor and identified as Owner may require. The data shown on the Shop Drawings will be complete with respect to dimensions, design criteria, materials of construction and the like to enable Owner to review the information as required.
- 07.02 Contractor shall also submit to Owner, for review with such promptness as to cause no delay in Work, all samples as required by the Contract Documents. All samples will have been checked by and stamped with the approval of Contractor identified clearly as to material, manufacturer, any pertinent catalog numbers and the use for which intended. At the time of each submission, Contractor shall in writing call Owner's attention to any deviations that the Shop Drawings or samples may have from the requirements of the Contract Documents.
- 07.03 Owner will review with reasonable promptness Shop Drawings and samples, but its review shall be only for conformance with the design concept of the Project and for compliance with the information given in the Contract Documents. The review of a separate item as such will not indicate approval of the assembly in which the item functions. Contractor shall make any corrections required by Owner and shall return the required number of

corrected copies of Shop Drawings and resubmit new samples for review. Contractor shall direct specific attention in writing or on resubmitted Shop Drawings to revisions other than the corrections called for by Owner on previous submissions. Contractor's stamp of approval on any Shop Drawing or sample shall constitute a representation to Owner that Contractor has determined and verified all quantities, dimensions, field construction criteria, materials catalog numbers and similar data and thereafter assumes full responsibility for doing so, and that it has reviewed or coordinated each Shop Drawing or sample with the requirements of the Work and the Contract Documents.

- 07.04 Where a Shop Drawing or sample submission is required by the Specifications, no related Work shall be commenced until the submission has been reviewed by Owner. A copy of each reviewed shop Drawing and each inspected sample shall be kept in good order by Contractor at the site and shall be available to Owner.
- 07.05 Owner's review of Shop Drawings or samples shall not relieve Contractor from its responsibility for any deviations from the requirements of the Contract Documents unless Contractor has in writing called Owner's attention to such deviation at the time of submission and Owner has given written approval to the specific deviation, nor shall any review by Owner relieve Contractor from responsibility for errors or omissions in the Shop Drawings. The mere submittal of shop drawings which contain deviations from the requirements of plans, specifications and/or previous submittals in itself does not satisfy this requirement.

08.00 RECORD DRAWINGS

- 08.01 The Contractor shall keep an accurate record in a manner approved by the Owner of all changes in the Contract Documents during construction. In Work concerning underground utilities, the Contractor shall keep an accurate record in a manner approved by the Owner of all valves, fittings, etc. Before the Work is accepted by the Owner, and said acceptance is recorded, the Contractor shall furnish the Owner a copy of this record.
- 08.02 Contractor shall keep an accurate drawing measured in the field to the nearest 0.1' of the location of all sewer house connections. The location shown shall be the end of the connection at the property line measured along the main line of pipe from a manhole.
- 08.03 Contractor shall keep an accurate drawing of the storm water drainage collection system. Inverts to the nearest 0.01' and top of castings shall be shown as well as location of all structures to the nearest 0.1'. Upon completion of the Work, the plan will be given to the Owner.

09.00 PROGRESS OF WORK

- 09.01 Contractor shall conduct the Work in such a professional manner and with sufficient materials, equipment and labor as is considered necessary to ensure its completion within the time limit specified.
- 09.02 The Owner shall issue a Notice to Proceed to the Contractor within twenty (20) calendar days from the date of execution of the Contract. Upon mutual consent by both parties, the Notice to Proceed may be extended. The Contractor is to commence Work under the Contract within ten (10) calendar days from the date the Notice to Proceed is issued by the Owner.
- 09.03 The Contractor, immediately after being awarded the Contract, shall prepare and submit for the Owner's approval an estimated progress schedule for the work to be performed, as well as a construction signing layout for all roads within the project area. The Contractor shall not start work or request partial payment until the work schedule has been submitted to the Owner for approval.
- 09.04 Revisions to the original schedule will be made based on extension of days granted for inclement weather or change orders issued under the contract. No other revision shall be made which affects the original completion or updated completion date, whichever is applicable.

- 09.05 Failure of the Contractor to submit an estimated progress schedule or to complete timely and on schedule the Work shown on the progress schedule negates any and all causes or claims by the Contractor for accelerated completion damages. These accelerated damage claims shall be deemed forfeited.
- 09.06 Meetings will be held as often as necessary to expedite the progress of the job. Meetings will be held during normal working hours at the jobsite and shall be mandatory for the Contractor and all Sub-Contractors working on the project. Meetings may be requested by the Owner at any time and at the discretion of the Owner.

10.00 OWNER'S RIGHT TO PROCEED WITH PORTIONS OF THE WORK

- 10.01 Upon failure of the Contractor to comply with any notice given in accordance with the provisions hereof, the Owner shall have the alternative right, instead of assuming charge of the entire Work, to place additional forces, tools, equipment and materials on parts of the Work. The cost incurred by the Owner in carrying on such parts of the Work shall be payable by the Contractor. Such Work shall be deemed to be carried on by the Owner on account of the Contractor. The Owner may retain all amounts of the cost of such Work from any sum due Contractor or those funds that may become due to Contractor under this Agreement.
- 10.02 Owner may perform additional Work related to the Project by itself or it may let any other direct contract which may contain similar General Conditions. Contractor shall afford the other contractors who are parties to such different contracts (or Owner, if it is performing the additional Work itself) reasonable opportunity for the introduction and storage of materials and equipment and the execution of Work, and shall properly connect and coordinate its Work with the subsequent work.
- 10.03 If any part of Contractor's Work depends upon proper execution or results upon the Work of any such other contractor (or Owner), Contractor shall inspect and promptly report to Owner in writing any defects or deficiencies in such Work that render it unsuitable for such proper execution and results. Failure to so report shall constitute an acceptance of the other Work as fit and proper for the relationship of its Work except as to defects and deficiencies which may appear in the other Work after the execution of its Work.
- 10.04 Whatever Work is being done by the Owner, other Contractors or by this Contractor, the parties shall respect the various interests of the other parties at all times. The Owner may, at its sole discretion, establish additional rules and regulations concerning such orderly respect of the rights of various interests.
- 10.05 Contractor shall do all cutting, fitting and patching of its Work that may be required to integrate its several parts properly and fit to receive or be received by such other Work. Contractor shall not endanger any Work of others by cutting, excavating or otherwise altering Work and will only alter Work with the written consent of Owner and of the other contractors whose Work will be affected.
- 10.06 If the performance of additional Work by other contractors or Owner is not noted in the Contract Documents, written notice thereof shall be given to Contractor prior to starting any such additional Work. If Contractor believes that the performance of such additional Work by Owner or others may cause additional expense or entitles an extension of the Contract Time, the Contractor may make a claim therefor. The claim must be in writing to the Owner within thirty (30) calendar days of receipt of notice from the Owner of the planned additional Work by others.

11.00 TIME OF COMPLETION

- 11.01 The Notice to Proceed will stipulate the date on which the Contractor shall begin work. That date shall be the beginning of the Contract Time charges.
- 11.02 Contractor shall notify the Owner through its duly authorized representative, in advance, of where Contractor's work shall commence each day. A daily log shall be maintained by Contractor to establish dates, times, persons contacted, and location of work. Specific notice shall be made to the Owner if the Contractor plans to work on Saturday, Sunday, or

a Parish approved holiday. If notice is not received, no consideration will be given for inclement weather and same shall be considered a valid work day.

- 11.03 The Work covered by the Plans, Specifications and Contract Documents must be completed sufficiently for acceptance within the number of calendar days specified in the Proposal and/or the Contract, commencing from the date specified in the Notice to Proceed. It is hereby understood and mutually agreed, by and between the Contractor and the Owner, that the time of completion is an essential condition of this Contract, and it is further mutually understood and agreed that if the Contractor shall neglect, fail or refuse to complete the Work within the time specified, or any proper extension thereof granted by the Owner, then the Contractor does hereby agree, as partial consideration for the awarding of this Contract, to pay the Owner based on **Table 3.1** as specified in the Contract, not as a penalty, but as liquidated damages for such breach of contract for each and every calendar day that the Contractor shall be in default after the time stipulated in the Contract for completing the Work. It is specifically understood that the Owner shall also be entitled to receive a reasonable attorney fee and all costs in the event that Contractor fails to adhere to this agreement and this contract is referred to counsel for any reason whatsoever. Reasonable attorney fees shall be the prevailing hourly rate of the private sector, and in no event shall the hourly rate be less than \$175.00 per hour. All attorney fees shall be paid to the operating budget of the Office of the Parish President.
- 11.04 Prior to final payment, the Contractor may, in writing to the Owner, certify that the entire Project is substantially complete and request that the Owner or its agent issue a certificate of Substantial Completion. See Section 29.00.
- 11.05 The Owner may grant an extension(s) of time to the Contractor for unusual circumstances which are beyond the control of the Contractor and could not reasonably be foreseen by the Contractor prior to Bidding. Any such request must be made in writing to the Owner within seven (7) calendar days following the event occasioning the delay. The Owner shall have the exclusive and unilateral authority to determine, grant, and/or deny the validity of any such claim.
- 11.06 Extensions of time for inclement weather shall be processed as follows:

Commencing on the start date of each job, the Parish Inspector assigned to same shall keep a weekly log, indicating on each day whether inclement weather has prohibited the Contractor from working on any project within the specific job, based upon the following:

1. Should the Contractor prepare to begin work on any day in which inclement weather, or the conditions resulting from the weather, prevent work from beginning at the usual starting time, and the crew is dismissed as a result, the Contractor will not be charged for a working day whether or not conditions change during the day and the rest of the day becomes suitable for work.
2. If weather conditions on the previous day prevent Contractor from performing work scheduled, provided that no other work can be performed on any project within the package. The Parish Inspector shall determine if it is financially reasonable to require the Contractor to deviate from the schedule and relocate to another location.
3. If the Contractor is unable to work at least 60% of the normal work day due to inclement weather, provided that a normal working force is engaged on the job.

Any dispute of weather conditions as related to a specific job shall be settled by records of the National Weather Service.

- 11.07 Extensions of time for change orders

When a change order is issued, the Owner and Contractor will agree on a reasonable time extension, if any, to implement such change. Consideration shall be given for, but not limited to, the following:

1. If material has to be ordered;
2. Remobilization and or relocation of equipment to perform task; and
3. Reasonable time frame to complete additional work.

Time extensions for change orders shall be reflected on the official document signed by the Owner and Contractor.

- 11.08 At the end of each month, the Owner or its agent will furnish to the Contractor a monthly statement which reflects the number of approved days added to the contract. The Contractor will be allowed fourteen (14) calendar days in which to file a written protest setting forth in what respect the monthly statement is incorrect; otherwise, the statement shall be considered accepted by the Contractor as correct.
- 11.09 Apart from extension of time for unavoidable delays, no payment or allowance of any kind shall be made to the Contractor as compensation for damages because of hindrance or delay for any cause in the progress of the Work, whether such delay be avoidable or unavoidable.

12.00 LIQUIDATED DAMAGES

- 12.01 In case the Work is not completed in every respect within the time that may be extended, it is understood and agreed that per diem deductions per **Table 3.1** for liquidated damages, as stipulated in the Proposal and/or Contract, shall be made from the total Contract Price for each and every calendar day after and exclusive of the day on which completion was required, and up to the completion of the Work and acceptance thereof by the Owner. It is understood and agreed that time is of the essence to this Contract, and the above sum being specifically herein agreed upon in advance as the measure of damages to the Owner on account of such delay in the completion of the Work. It is further agreed that the expiration of the term herein assigned or as may be extended for performing the Work shall, *ipso facto*, constitute a putting in default, the Contractor hereby waiving any and all notice of default. The Contractor agrees and consents that the Contract Price, reduced by the aggregate of the entire damages so deducted, shall be accepted in full satisfaction of all Work executed under this Contract. It is further understood and agreed that Contractor shall be liable for a reasonable attorney fee and all costs associated with any breach of this agreement, including but not limited to this subsection. In the event that any dispute or breach herein causes referrals to counsel, then Contractor agrees to pay a reasonable attorney fee at the prevailing hourly rate of the private sector. In no event shall the hourly rate be less than \$175.00 per hour.

13.00 LABOR, MATERIALS, EQUIPMENT, SUPERVISION, PERMITS AND TAXES

- 13.01 The Contractor shall provide and pay for all labor, materials, equipment, supervision, subcontracting, transportation, tools, fuel, power, water, sanitary facilities and all incidentals necessary for the completion of the Work in substantial conformance with the Contract Documents.
- 13.02 The Contractor shall provide competent, suitably qualified personnel to survey and lay out the Work and perform construction as required by the Contract Documents. It shall at all times maintain good discipline and order at the site.
- 13.03 Unless otherwise specifically provided for in the Specifications, all workmanship, equipment, materials, and articles incorporated in the Work covered by this Contract are to be new and of the best grade of their respective kinds for the purpose intended. Samples of materials furnished under this Contract shall be submitted for approval to the Owner when and as directed.
- 13.04 Whenever a material or article required is specified or shown on the plans by using the name of a proprietary product or of a particular manufacturer or Contractor, any material or article which shall perform adequately the duties imposed by the general design will be considered equal, and satisfactory, providing the material or article so proposed is of equal substance and function and that all technical data concerning the proposed substitution be approved by the Owner prior to the Bidding. The Owner shall have the exclusive and unilateral discretion to determine quality and suitability in accordance with LSA-R.S. 38:2212(T)(2).

- 13.05 Materials shall be properly and securely stored so as to ensure the preservation of quality and fitness for the Work, and in a manner that leaves the material accessible to inspection. Materials or equipment may not be stored on the site in a manner such that it will interfere with the continued operation of streets and driveways or other contractors working on the site.
- 13.06 The Contractor, by entering into the Contract for this Work, sets itself forth as an expert in the field of construction and it shall supervise and direct the Work efficiently and with its best skill and attention. It shall be solely responsible for the means, methods, techniques, sequences and procedures of construction.
- 13.07 Contractor shall keep on the Work, at all times during its progress, a competent resident Superintendent, who shall not be replaced without written Notice to Owner except under extraordinary circumstances. The Superintendent will be Contractor's representative at the site and shall have authority to act on behalf of Contractor. All communications given to the Superintendent shall be as binding as if given to the Contractor. Owner specifically reserves the right to approve and/or disapprove the retention of a new superintendent, all to not be unreasonably withheld.
- 13.08 Any foreman or workman employed on this Project who disregards orders or instructions, does not perform his Work in a proper and skillful manner, or is otherwise objectionable, shall, at the written request of the Owner, be removed from the Work and shall be replaced by a suitable foreman or workman.
- 13.09 The Contractor and/or its assigned representative shall personally ensure that all subcontracts and divisions of the Work are executed in a proper and workmanlike manner, on scheduled time, and with due and proper cooperation.
- 13.10 Failure of the Contractor to keep the necessary qualified personnel on the Work shall be considered cause for termination of the Contract by the Owner.
- 13.11 Only equipment in good working order and suitable for the type of Work involved shall be brought onto the job and used by the Contractor. The Contractor is solely responsible for the proper maintenance and use of its equipment and shall hold the Owner harmless from any damages or suits for damages arising out of the improper selection or use of equipment. No piece of equipment necessary for the completion of the Work shall be removed from the job site without approval of the Owner.
- 13.12 All Federal, State and local taxes due or payable during the time of Contract on materials, equipment, labor or transportation, in connection with this Work, must be included in the amount bid by the Contractor and shall be paid to proper authorities before acceptance. The Contractor shall furnish all necessary permits and certificates and comply with all laws and ordinances applicable to the locality of the Work. The cost of all inspection fees levied by any governmental entity whatsoever shall be paid for by the Contractor.
- 13.13 In accordance with St. Tammany Police Jury Resolution 86-2672, as amended, the Contractor must provide in a form suitable to the Owner an affidavit stating that all applicable sales taxes for materials used on this project have been paid.
- 13.14 During the period that this Contract is in force, neither party to the Contract shall solicit for employment or employ an employee of the other.
- 13.15 All materials or equipment shown on the Drawings or included in these specifications shall be furnished unless written approval of a substitute is obtained from the Designer, or Owner if no separate designer.
- 13.16 If a potential supplier wishes to submit for prior approval a particular product other than a product specified in the contract documents, he shall do so no later than fourteen working days prior to the opening of bids. Within ten days, exclusive of holidays and weekends, after such submission, the prime design professional shall furnish to both the public entity and the potential supplier written approval or denial of the product submitted. The burden of proof of the equality of the proposed substitute is upon the proposer and only that information formally submitted shall be used by the Designer in making its decision.

13.17 The decision of the Designer/Owner shall be given in good faith and shall be final.

14.00 QUANTITIES OF ESTIMATE, CHANGES IN QUANTITIES, EXTRA WORK

- 14.01 Whenever the estimated quantities of Work to be done and materials to be furnished under this Contract are shown in any of the documents, including the Proposal, such are given for use in comparing Bids and the right is especially reserved, except as herein otherwise specifically limited, to increase or diminish same not to exceed twenty-five percent (25%) by the Owner to complete the Work contemplated by this Contract. Such increase or diminution shall in no way vitiate this Contract, nor shall such increase or diminution give cause for claims or liability for damages.
- 14.02 The Owner shall have the right to make alterations in the line, grade, plans, form or dimensions of the Work herein contemplated, provided such alterations do not change the total cost of the Project, based on the originally estimated quantities, and the unit prices bid by more than twenty-five percent (25%) and provided further that such alterations do not change the total cost of any major item, based on the originally estimated quantities and the unit price bid by more than twenty-five (25%). (A major item shall be construed to be any item, the total cost of which is equal to or greater than ten percent (10%) of the total Contract Price, computed on the basis of the Proposal quantity and the Contract unit price). Should it become necessary, for the best interest of the Owner, to make changes in excess of that herein specified, the same shall be covered by supplemental agreement either before or after the commencement of the Work and without notice to the sureties. If such alterations diminish the quantity of Work to be done, such shall not constitute a claim for damages for anticipated profits for the Work dispensed with, but when the reduction in amount is a material part of the Work contemplated, the Contractor shall be entitled to only reasonable compensation as determined by the Owner for overhead and equipment charges which it may have incurred in expectation of the quantity of Work originally estimated, unless specifically otherwise provided herein; if the alterations increase the amount of Work, the increase shall be paid according to the quantity of Work actually done and at the price established for such Work under this Contract except where, in the opinion of the Owner, the Contractor is clearly entitled to extra compensation.
- 14.03 Without invalidating the Contract, the Owner may order Extra Work or make changes by altering, adding to, or deducting from the Work, the Contract sum being adjusted accordingly. The consent of the surety must first be obtained when necessary or desirable, all at the exclusive discretion of the Owner. All the Work of the kind bid upon shall be paid for at the price stipulated in the Proposal, and no claims for any Extra Work or material shall be allowed unless the Work is ordered in writing by the Owner.
- 14.04 Extra Work for which there is no price or quantity included in the Contract shall be paid for at a unit price or lump sum to be agreed upon in advance in writing by the Owner and Contractor. Where such price and sum cannot be agreed upon by both parties, or where this method of payment is impracticable, the Owner may, at its exclusive and unilateral discretion, order the Contractor to do such Work on a Force Account Basis.
- 14.05 In computing the price of Extra Work on a Force Account Basis, the Contractor shall be paid for all foremen and labor actually engaged on the specific Work at the current local rate of wage for each and every hour that said foremen and labor are engaged in such Work, plus ten percent (10%) of the total for superintendence, use of tools, overhead, direct & indirect costs/expenses, pro-rata applicable payroll taxes, pro-rata applicable workman compensation benefits, pro-rata insurance premiums and pro-rata reasonable profit. The Contractor shall furnish satisfactory evidence of the rate or rates of such insurance and tax. The Contractor will not be able to collect any contribution to any retirement plans or programs.
- 14.06 For all material used, the Contractor shall receive the actual cost of such material delivered at the site of the Work, as shown by original receipted bill, to which shall be added five percent (5%). There will be absolutely no additional surcharges or additional fees attached hereto with respect to this subsection.
- 14.07 For any equipment used that is owned by the Contractor, the Contractor shall be allowed a rental based upon the latest prevailing rental price, but not to exceed a rental price as determined by the Associated Equipment Distributors (A.E.D. Green Book).

- 14.08 The Contractor shall also be paid the actual costs of transportation for any equipment which it owns and which it has to transport to the Project for the Extra Work. There will be absolutely no additional surcharges or additional fees attached hereto with respect to this subsection.
- 14.09 If the Contractor is required to rent equipment for Extra Work, but not required for Contract items, it will be paid the actual cost of rental and transportation of such equipment to which no percent shall be added. The basis upon which rental cost are to be charged shall be agreed upon in writing before the Work is started. Actual rental and transportation costs shall be obtained from receipted invoices and freight bills.
- 14.10 No compensation for expenses, fees or costs incurred in executing Extra Work, other than herein specifically mentioned herein above, will be allowed.
- 14.11 A record of Extra Work on Force Account basis shall be submitted to the Owner on the day following the execution of the Work, and no less than three copies of such record shall be made on suitable forms and signed by both the Owner or his representative on the Project and the Contractor. All bids for materials used on extra Work shall be submitted to the Owner by the Contractor upon certified statements to which will be attached original bills covering the costs of such materials.
- 14.12 Payment for Extra Work of any kind will not be allowed unless the same has been ordered in writing by the Owner.

15.00 STATUS OF THE ENGINEER (NOT APPLICABLE)

16.00 INJURIES TO PERSONS AND PROPERTY

- 16.01 The Contractor shall be held solely and exclusively responsible for all injuries to persons and for all damages to the property of the Owner or others caused by or resulting from the negligence of itself, its employees or its agents, during the progress of or in connection with the Work, whether within the limits of the Work or elsewhere under the Contract proper or as Extra Work. This requirement will apply continuously and not be limited to normal working hours or days. The Owner's construction review is for the purpose of checking the Work product produced and does not include review of the methods employed by the Contractor or to the Contractor's compliance with safety measures of any nature whatsoever. The Contractor agrees to pay a reasonable attorney fee and other reasonable attendant costs of the Owner in the event it becomes necessary for the Owner to employ an attorney to enforce this section or to protect itself against suit over the Contractor's responsibilities. Attorney fees shall be at the prevailing hourly rate of the private sector. The attorney fee hourly rate shall not be less than \$175.00 per hour. All attorney fees collected shall be paid to the operating budget of the Office of the Parish President.
- 16.02 The Contractor must protect and support all utility infrastructures or other properties which are liable to be damaged during the execution of its Work. It shall take all reasonable and proper precautions to protect persons, animals and vehicles or the public from the injury, and wherever necessary, shall erect and maintain a fence or railing around any excavation, and place a sufficient number of lights about the Work and keep same burning from twilight until sunrise, and shall employ one or more watchmen as an additional security whenever needed. The Contractor understands and agrees that the Owner may request that security be placed on the premises to ensure and secure same. The Owner shall have exclusive authority to request placement of such security. Contractor agrees to retain and place security as requested, all at the sole expense of Contractor. Additional security shall not be considered a change order or reason for additional payment by the Owner. The Contractor must, as far as practicable and consistent with good construction, permit access to private and public property and leave fire hydrants, catch basins, streets, etc., free from encumbrances. The Contractor must restore at its own expense all injured or damaged property caused by any negligent act of omission or commission on its part or on the part of its employees or subcontractors, including, but not limited to, sidewalks, curbing, sodding, pipes conduits, sewers, buildings, fences, bridges, retaining walls, tanks, power lines, levees or any other building or property whatsoever to a like condition as existed prior to such damage or injury.

- 16.03 In case of failure on the part of the Contractor to restore such property or make good such damage, the Owner may upon forty-eight (48) hours' notice proceed to repair or otherwise restore such property as may be deemed necessary, and the cost thereof will be deducted from any monies due or which may become due under its Contract.
- 16.04 Contractor agrees to protect, defend, indemnify, save, and hold harmless St. Tammany Parish Government, its elected and appointed officials, departments, agencies, boards and commissions, their officers, agents servants, employees, including volunteers, from and against any and all claims, demands, expense and liability arising out of injury or death to any person or the damage, loss or destruction of any property to the extent caused by any negligent act or omission or willful misconduct of Contractor, its agents, servants, employees, and subcontractors, or any and all costs, expense and/or attorney fees incurred by St. Tammany Parish Government as a result of any claim, demands, and/or causes of action that results from the negligent performance or non-performance by Contractor, its agents, servants, employees, and subcontractors of this contract. Contractor agrees to investigate, handle, respond to, provide defense for and defend any such claims, demand, or suit at its sole expense and agrees to bear all other costs and expenses related thereto caused by any negligent act or omission or willful misconduct of Contractor, its agents, servants, employees, and subcontractors.
- 16.05 As to any and all claims against Owner, its agents, assigns, representatives or employees by any employee of Contractor, any Subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts as may be liable, the indemnification obligation under Paragraph 16.04 shall not be limited in any way or by any limitation on the amount or type of damages, compensation or benefits payable by or for Contractor or any Subcontractor under workmen's compensation acts, disability benefit acts or other employee benefit acts.
- 16.06 No road shall be closed by the Contractor to the public except by written permission of the Owner. If so closed, the Contractor shall maintain traffic over, through and around the Work included in his Contract, with the maximum practical convenience, for the full twenty-four hours of each day of the Contract, whether or not Work has ceased temporarily. The Contractor shall notify the Owner at the earliest possible date after the Contract has been executed and, in any case, before commencement of any construction that might in any way inconvenience or endanger traffic, in order that necessary and suitable arrangements may be determined. Any and all security, maintenance, labor or costs associated with traffic control herein shall be at the sole expense of Contractor. This expense shall be paid directly by the Contractor. This expense shall not be considered as a change order nor shall it allow the Contractor any additional cost reimbursement whatsoever. All traffic deviations herein shall be coordinated with the appropriate law enforcement officials of this Parish.
- 16.07 The convenience of the general public and residents along the Works shall be provided for in a reasonable, adequate and satisfactory manner. Where existing roads are not available as detours, and unless otherwise provided, all traffic shall be permitted to pass through the Work. In all such cases, the public shall have precedence over Contractor's vehicles insofar as the traveling public's vehicles shall not be unduly delayed for the convenience of the Contractor. In order that all unnecessary delay to the traveling public may be avoided, the Contractor shall provide and station competent flagmen whose sole duties shall consist of directing and controlling the movement of public traffic either through or around the Work. Any and all security, maintenance, labor or costs associated with traffic control herein shall be at the sole expense of Contractor. This expense shall be paid directly by the Contractor. This expense shall not be considered as a change order nor shall it allow the Contractor any additional cost reimbursement whatsoever. All traffic deviations herein shall be coordinated with the appropriate law enforcement officials of this Parish.
- 16.08 The Contractor shall arrange its Work so that no undue or prolonged blocking of business establishments will occur.
- 16.09 Material and equipment stored on the right of way or work site shall be so placed and the Work at times shall be so conducted as to ensure minimum danger and obstruction to the traveling public.
- 16.10 During grading operations when traffic is being permitted to pass through construction, the Contractor shall provide a smooth, even surface that will provide a satisfactory passageway

for use of traffic. The road bed shall be sprinkled with water if necessary to prevent a dust nuisance, provided the dust nuisance is a result of the Work.

- 16.11 Fire hydrants shall be accessible at all times to the Fire Department. No material or other obstructions shall be placed closer to a fire hydrant than permitted by ordinances, rules or regulations or within fifteen (15) feet of a fire hydrant, in the absence of such ordinance, rules or regulations.
- 16.12 The Contractor shall not, without the written permission of the Owner, do Work for a resident or property owner abutting the Work at the time that this Work is in progress.
- 16.13 No Work of any character shall be commenced on railroad right-of-way until the Railroad Company has issued a permit to the Owner and has been duly notified by the Contractor in writing (with a copy forwarded to the Owner) of the date it proposes to begin Work, and until an authorized representative of the Railroad Company is present, unless the Railroad Company waives such requirements. All Work performed by the Contractor within the right-of-way limits of the railroad shall be subject to the inspection and approval of the chief engineer of the Railroad Company or its authorized representative. Any precautions considered necessary by said chief engineer to safeguard the property, equipment, employees and passengers of the Railroad Company shall be taken by the Contractor without extra compensation. The Contractor shall, without extra compensation, take such precautions and erect and maintain such tell-tale or warning devices as the Railroad Company considers necessary to safeguard the operation of its trains. The temporary vertical and horizontal clearance specified by the chief engineer of the Railroad Company in approving these shall be maintained at all times. No steel, brick, pipe or any loose material shall be left on the ground in the immediate vicinity of the railway track. Before any Work is done within Railroad right of way, the Contractor shall provide and pay all costs of any special insurance requirements of the Railroad.
- 16.14 The Contractor, shall, without extra compensation, provide, erect, paint and maintain all necessary barricades. Also, without extra compensation, the Contractor shall provide suitable and sufficient lights, torches, reflectors or other warning or danger signals and signs, provide a sufficient number of watchmen and flagmen and take all the necessary precautions for the protection of the Work and safety of the Public.
- 16.15 The Contractor shall erect warning signs beyond the limits of the Project, in advance of any place on the Project where operations interfere with the use of the road by traffic, including all intermediate points where the new Work crosses or coincides with the existing road. All barricades and obstructions shall be kept well painted and suitable warning signs shall be placed thereon. All barricades and obstructions shall be illuminated at night and all lights or devices for this purpose shall be kept burning from sunset to sunrise.
- 16.16 Whenever traffic is maintained through or over any part of the Project, the Contractor shall clearly mark all traffic hazards. No direct payment will be made for barricades, signs and illumination therefore or for watchmen or flagmen.
- 16.17 The Contractor will be solely and completely responsible for conditions on the job site, including safety of all persons and property during performance of the Work. This requirement will apply continuously and not be limited to normal working hours. The duty of the Owner to conduct construction review of the Contractor's performance is not intended to include review of the adequacy of the Contractor's safety measures, in, or near the construction site.

17.00 SANITARY PROVISIONS

- 17.01 The Contractor shall provide and maintain in a neat, sanitary condition such accommodations for the use of its employees as may be necessary to comply with the rules and regulations of the State Health Agency or of the other authorities having jurisdiction and shall permit no public nuisance.

18.00 RIGHTS OF WAY

- 18.01 The Owner will furnish the Contractor with all necessary rights-of-way for the prosecution of the Work. The rights of way herein referred to shall be taken to mean only permission to use or pass through the locations or space in any street, highway, public or private property in which the Contractor is to prosecute the Work.
- 18.02 It is possible that all lands and rights of way may not be obtained as herein contemplated before construction begins, in which event the Contractor shall begin its Work upon such land and rights of way as the Owner may have previously acquired. Any delay in furnishing these lands by the Owner can be deemed proper cause for adjustment in the Contract amount and/or in the time of completion.

19.00 PROTECTION AND RESTORATION OF PROPERTY AND LANDSCAPE

- 19.01 The Contractor shall not enter upon private property for any purpose without first obtaining permission from the Owner, as well as the private property owner and/or and private property Lessees. The Contractor shall use every precaution necessary for the preservation of all public and private property, monuments, highway signs, telephone lines, other utilities, etc., along and adjacent to the Work; the Contractor shall use every precaution necessary to prevent damage to pipes, conduits, and other underground structures; and shall protect carefully from disturbance or damage all land monuments and property marks until an authorized agent has witnessed or otherwise referenced their location and shall not remove them until directed. The street and highway signs and markers that are to be affected by the Work shall be carefully removed when the Work begins and stored in a manner to keep them clean and dry. The Contractor must obtain all necessary information in regard to existing utilities and shall give notice in writing to the owners or the proper authorities in charge of streets, gas, water, pipes, electric, sewers and other underground structures, including conduits, railways, poles and pole lines, manholes, catch basins, fixtures, appurtenances, and all other property that may be affected by the Contractor's operations, at least forty-eight (48) hours before its operations will affect such property. The Contractor shall not hinder or interfere with any person in the protection of such Work or with the operation of utilities at any time. When property, the operation of railways, or other public utilities are endangered, the Contractor shall at its own expense, maintain flagmen or watchmen and any other necessary precautions to avoid interruption of service or damage to life or property, and it shall promptly repair, restore, or make good any injury or damage caused by its negligent operations in an acceptable manner. The Contractor must also obtain all necessary information in regard to the installation of new cables, conduits, and transformers, and make proper provisions and give proper notifications, in order that same can be installed at the proper time without delay to the Contractor or unnecessary inconvenience to the Owner.
- 19.02 The Contractor shall not remove, cut or destroy trees, shrubs, plants, or grass that are to remain in the streets or those which are privately owned, without the proper authority. Unless otherwise provided in the Special Provisions or the Proposal, the Contractor shall replace and replant all plants, shrubs, grass and restore the grounds back to its original good condition to the satisfaction of the Owner and/or the property owner. The Contractor shall assume the responsibility of replanting and guarantees that plants, shrubs, grass will be watered, fertilized and cultivated until they are in a growing condition. No direct payment will be made for removing and replanting of trees, shrubs, plants or grass unless such items are set forth in the Proposal.
- 19.03 When or where direct damage or injury is done to public or private property by or on account of any negligent act, omission, neglect or otherwise of the Contractor, it shall make good such damage or injury in an acceptable manner.

20.00 CONTRACTORS RESPONSIBILITY FOR WORK

- 20.01 Until final acceptance of the Work by the Owner as evidence by approval of the final estimate, the Work shall be in the custody and under the charge and care of the Contractor and it shall take every necessary precaution against injury or damage to any part thereof by the action of the elements or from the non-execution of the Work; unless otherwise provided for elsewhere in the Specifications or Contract. The Contractor shall rebuild,

repair, restore and make good, without extra compensation, all injuries or damages to any portion of the Work occasioned by any of the above causes before its completion and acceptance, and shall bear the expenses thereof. In case of suspension of the Work from any cause whatever, the Contractor shall be responsible for all materials and shall properly and securely store same, and if necessary, shall provide suitable shelter from damage and shall erect temporary structures where necessary. If in the exclusive discretion of the Owner, any Work or materials shall have been damaged or injured by reason of failure on the part of the Contractor or any of its Subcontractors to so protect the Work, such materials shall be removed and replaced at the sole expense of the Contractor. Such amount shall be deducted from any sum due or to be due Contractor.

- 20.02 The Contractor shall give all notice and comply with all Federal, State, and local laws, ordinances, and regulations in any manner affecting the conduct of the Work, and all such orders and decrees as exist, or may be enacted by bodies or tribunals having any jurisdiction or authority over the Work, and shall indemnify and hold harmless the Owner against any claim or liability arising from, or based on, the violation of any such law, ordinance, regulation, order or decree, whether by itself, its employees or Subcontractors.

21.00 TESTS AND INSPECTIONS CORRECTION & REMOVAL OF DEFECTIVE WORK

- 21.01 Contractor warrants and guarantees to Owner that all materials and equipment will be new unless otherwise specified and that all Work will be of good quality and free from faults or defects and in accordance with the requirements of the Contract Documents. All unsatisfactory Work, all faulty or Defective Work and all Work not conforming to the requirements of the Contract Documents at the time of acceptance shall be considered Defective. Prompt and reasonable notice of all defects shall be given to the Contractor.
- 21.02 If the Contract Documents, laws, ordinances, rules, regulations or orders of any public authority having jurisdiction require any Work to specifically be inspected, tested or approved by some public body, Contractor shall assume full responsibility therefor, pay all costs in connection therewith and furnish Owner the required certificates of inspection, testing or approval. All other inspections, tests and approval required by the Contract Documents shall be performed by organizations acceptable to Owner and Contractor and the costs thereof shall be borne by the Contractor unless otherwise specified.
- 21.03 Contractor shall give Owner timely notice of readiness of the Work for all inspections, tests or approvals. If any such Work required to be inspected, tested or approved is covered without written approval of Owner, it must, if requested by Owner, be uncovered for observation, and such uncovering shall be at Contractor's expense unless Contractor has given Owner timely notice of its intention to cover such Work and Owner has not acted with reasonable promptness in response to such notice.
- 21.04 Neither observations by Owner nor inspections, tests or approvals shall relieve Contractor from its obligations to perform the Work in accordance with the requirements of the Contract Document.
- 21.05 Owner and its representatives will at reasonable times have access to the Work. Contractor shall provide proper and safe facilities for such access and observation of the Work and also for any inspection or testing thereof by others.
- 21.06 If any Work is covered contrary to the written request of Owner, it must, be uncovered for Owner's observation and replaced at Contractor's expense. If any Work has been covered which Owner has not specifically requested to observe prior to its being covered, or if Owner considers it necessary or advisable that covered Work be inspected or tested by others, the Contractor, at Owner's request, shall uncover, expose or otherwise make available for observations, inspections or testing as Owner may require, that portion of the Work in question, furnishing all necessary labor, material and equipment. If it is found that such Work is Defective, Contractor shall bear all the expenses of such uncovering, exposure, observation, inspection and testing and of satisfactory reconstruction, including compensation for additional professional services, and an appropriate deductive Change Order shall be issued. If, however, such Work is not found to be Defective, Contractor shall be allowed an increase in the Contract Price or an extension of the Contract Time, or both, directly attributable to such uncovering, exposure, observation, inspection, testing and reconstruction.

- 21.07 If the Work is Defective, or Contractor fails to supply sufficient skilled workmen or suitable materials or equipment, or if the Contractor fails to make prompt payments to Subcontractors or for labor, materials or equipment, Owner may order Contractor to stop the Work, or any portion thereof, until the cause of such order has been eliminated; however, this right of Owner to stop the Work shall not give rise to any duty on the part of Owner to exercise this right for the benefit of Contractor or any other party.
- 21.08 Prior to approval of final payment, Contractor shall promptly, without cost to Owner and as specified by Owner, either correct any Defective Work, whether or not fabricated, installed or completed, or if the Work has been rejected by Owner, remove it from the site and replace it with non-defective Work. If Contractor does not correct such Defective Work or remove and replace such rejected Work within a reasonable time, all as specified in a written notice from Owner, Owner may have the deficiency corrected or the rejected Work removed and replaced. All direct or indirect costs of such correction or removal and replacement including compensation for additional professional services shall be paid by Contractor, and an appropriate deductive Change Order shall be issued. Contractor shall also bear the expense of making good all Work of others destroyed or damaged by its correction, removal or replacement of its Defective Work.
- 21.09 If, after the approval of final payment and prior to the expiration of one year after the date of Substantial Completion or such longer period of time as may be prescribed by law or by the terms of any applicable special guarantee required by the Contract Documents, any Work is found to be Defective, Contractor shall promptly, without cost to Owner and in accordance with Owner's written instructions, either correct such Defective Work or if it has been rejected by Owner, remove it from the site and replace it with non-defective Work. If Contractor does not promptly comply with the terms of such instructions, Owner may have the Defective Work corrected or the rejected Work removed and replaced, and all direct and indirect costs of such removal and replacement, including compensation for additional professional services, shall be paid by Contractor. The Contractor agrees to pay a reasonable attorney fee and other reasonable attendant costs of the Owner in the event it becomes necessary for the Owner to employ an attorney to enforce this section or to protect itself against suit over the Contractor's responsibilities. Attorney fees shall be at the prevailing hourly rate of the private sector. The attorney fee hourly rate shall not be less than \$175.00 per hour. All attorney fees collected shall be paid to the operating budget of the Office of the Parish President.
- 21.10 If, instead of requiring correction or removal and replacement of Defective Work, Owner (and prior to approval of final payment) prefers to accept it, the Owner may do so. In such case, if acceptance occurs prior to approval of final payment, a Change Order shall be issued incorporating the necessary revisions in the Contract Documents, including appropriate reduction in the Contract Price, or, if the acceptance occurs after approval of final payment, an appropriate amount shall be paid by Contractor to Owner.
- 21.11 If Contractor should fail to progress the Work in accordance with the Contract Documents, including any requirements of the Progress Schedule, Owner, after seven (7) days written Notice to Contractor, may, without prejudice to any other remedy Owner may have, make good such deficiencies and the cost thereof including compensation for additional professional services shall be charged against Contractor. In such cases, a Change Order shall be issued incorporating the necessary revisions in the Contract Documents including an appropriate reduction in the Contract Price. If the payments then or thereafter due Contractor are not sufficient to cover such amount, Contractor shall pay the difference to Owner.
- 21.12 The Owner may appoint representatives to make periodic visits to the site and observe the progress and quality of the executed Work. These representatives shall be governed by the same restrictions placed on the Owner by these Specifications. The governing body of the Federal, State or local government exercising authority in the area of the Work may appoint representatives to observe the progress and quality of the Work. Contractor shall cooperate with and assist these representatives in the performance of their duties.
- 21.13 The Contractor shall be responsible for the faithful execution of its Contract and the presence or absence of the Owner's or Government's Representative is in no way or manner to be presumed or assumed to relieve in any degree the responsibility or obligation of the Contractor.

- 21.14 The Contractor shall notify the Owner and the Governmental Agency having jurisdiction as to the exact time at which it is proposed to begin Work so the Owner may provide for inspection of all materials, foundations, excavations, equipment, etc., and all or any part of the Work and to the preparation or manufacture of materials to be used whether within the limits of the Work or at any other place.
- 21.15 The Owner or its representatives shall have free access to all parts of the Work and to all places where any part of the materials to be used are procured, manufactured or prepared. The Contractor shall furnish the Owner all information relating to the Work and the material therefor, which may be deemed necessary or pertinent, and with such samples of materials as may be required. The Contractor, at its own expense, shall supply such labor and assistance as may be necessary in the handling of materials for proper inspection or for inspection of any Work done by it.
- 21.16 No verbal instructions given to the Contractor by the Owner, Project Representative or any of their agents shall change or modify the written Contract. Contractors shall make no claims for additional payments or time based upon verbal instructions.

22.00 SUBSURFACE CONDITIONS

- 22.01 It is understood and agreed that the Contractor is familiar with the subsurface conditions that will be encountered and its price bid for the Work includes all of the costs involved for Work in these conditions and it is furthermore agreed that it has taken into consideration, prior to its Bid and acceptance by Owner, all of the subsurface conditions normal or unusual that might be encountered in the location of the Work.
- 22.02 Should the Contractor encounter during the progress of the Work subsurface conditions at the site materially differing from those shown on the Drawings or indicated in the Specifications, the attention of the Owner shall be directed to such conditions before the conditions are disturbed. If the Owner finds that the conditions materially differ from those shown on the Drawings or indicated in the Specifications, it shall at once make such changes in the Drawings or Specifications as it may find necessary, and any increase or decrease in cost or extension of time resulting from such changes shall be adjusted in the same manner as provided for changes for Extra Work. The Contractor shall submit breakdowns of all costs in a manner as instructed and approved by the Owner.

23.00 REMOVAL AND DISPOSAL OF STRUCTURES AND OBSTRUCTIONS

- 23.01 Bidder shall thoroughly examine the site of the Work and shall include in its Bid the cost of removing all structures and obstructions in the way of the Work.
- 23.02 The Contractor shall remove any existing structures or part of structures, fence, building or other encumbrances or obstructions that interfere in any way with the Work. Compensations for the removal of any structure shall be made only if the item(s) to be removed was/were listed as pay item(s) on the Proposal.
- 23.03 If called for in the Special Conditions, all privately and publicly owned materials and structures removed shall be salvaged without damage and shall be piled neatly and in an acceptable manner upon the premises if it belongs to an abutting property owner, otherwise at accessible points along the improvements. Materials in structures which is the property of the Owner or property of any public body, private body or individual which is fit for use elsewhere, shall remain property of the original Owner. It shall be carefully removed without damage, in sections which may be readily transported; same shall be stored on or beyond the right of way. The Contractor will be held responsible for the care and preservation for a period of ten (10) days following the day the last or final portion of the materials stored at a particular location are placed thereon. When privately owned materials are stored beyond the right of way, the Contractor will be held responsible for such care and preservation for a period of ten (10) days responsibility period for care and preservation of the materials begins. The Contractor must furnish the Owner with evidence satisfactory that the proper owner of the materials has been duly notified by the Contractor that the said owner must assume responsibility for its materials on the date following the Contractor's ten (10) day responsibility.

24.00 INSURANCE

- 24.01 Contractor shall secure and maintain at its expense such insurance that will protect it and the Parish from claims for injuries to persons or damages to property which may arise from or in connection with the performance of Services or Work hereunder by the Contractor, his agents, representatives, employees, and/or subcontractors. The cost of such insurance shall be included in Contractor's bid.
- 24.02 The Contractor shall not commence work until it has obtained all insurance as required for the Parish Project. If the Contractor fails to furnish the Parish with the insurance protection required and begins work without first furnishing Parish with a currently dated certificate of insurance, the Parish has the right to obtain the insurance protection required and deduct the cost of insurance from the first payment due the Contractor. Further deductions are permitted from future payments as are needed to protect the interests of the Parish including, but not limited to, renewals of all policies.
- 24.03 Payment of Premiums: The insurance companies issuing the policy or policies shall have no recourse against the Parish of St. Tammany for payment of any premiums or for assessments under any form of policy.
- 24.04 Deductibles: Any and all deductibles in the described insurance policies shall be assumed by and be at the sole risk of the Contractor.
- 24.05 Authorization of Insurance Company(ies) and Rating: All insurance companies must be authorized to do business in the State of Louisiana and shall have an A.M. Best rating of no less than A-, Category VII.
- 24.06 Policy coverages and limits must be evidenced by Certificates of Insurance issued by Contractor's carrier to the Parish and shall reflect:

Date of Issue: Certificate must have current date.

Named Insured: The legal name of Contractor under contract with the Parish and its principal place of business shall be shown as the named insured on all Certificates of Liability Insurance.

Name of Certificate Holder: St. Tammany Parish Government, Office of Risk Management, P. O. Box 628, Covington, LA 70434

Project Description: A brief project description, including Project Name, Project Number and/or Contract Number, and Location.

Endorsements and Certificate Reference: All policies must be endorsed to provide, and certificates of insurance must evidence the following:

Waiver of Subrogation: The Contractor's insurers will have no right of recovery or subrogation against the Parish of St. Tammany, it being the intention of the parties that all insurance policy(ies) so affected shall protect both parties and be the primary coverage for any and all losses covered by the below described insurance. *Policy endorsements required for all coverages.*

Additional Insured: The Parish of St. Tammany shall be named as additional named insured with respect to general liability, marine liability, pollution/environmental liability, automobile liability and excess liability coverages. *Policy endorsements required.*

Hold Harmless: Contractor's liability insurers shall evidence their cognizance of the Hold Harmless and Indemnification in favor of St. Tammany Parish Government by referencing same on the face of the Certificate(s) of Insurance.

Cancellation Notice: Producer shall provide thirty (30) days prior written notice to the Parish of policy cancellation or substantive policy change.

24.07 The types of insurance coverage the Contractor is required to obtain and maintain throughout the duration of the Contract, include, but is not limited to:

1. Commercial General Liability insurance with a Combined Single Limit for bodily injury and property damage of at least \$1,000,000 per Occurrence/\$2,000,000 General Aggregate/Products-Completed Operations Per Project. The insurance shall provide for and the certificate(s) of insurance shall indicate the following coverages:
 - a) Premises - operations;
 - b) Broad form contractual liability;
 - c) Products and completed operations;
 - d) Personal Injury;
 - e) Broad form property damage;
 - f) Explosion and collapse.
2. Marine Liability/Protection and Indemnity insurance is required for any and all vessel and/or marine operations in the minimum limits of \$1,000,000 per occurrence/\$2,000,000 per project general aggregate. The coverage shall include, but is not limited to, the basic coverages found in the Commercial General Liability insurance and coverage for third party liability.
3. Contractors' Pollution Liability and Environmental Liability insurance in the minimum amount of \$1,000,000 per occurrence, \$2,000,000 general aggregate and include coverage for full contractual liability and for all such environmental and/or hazardous waste exposures affected by this project.
4. Business Automobile Liability insurance with a Combined Single Limit of \$1,000,000 per Occurrence for bodily injury and property damage, and shall include coverage for the following:
 - a) Any automobiles;
 - b) Owned automobiles;
 - c) Hired automobiles;
 - d) Non-owned automobiles;
 - e) Uninsured motorist.
5. Workers' Compensation/Employers Liability insurance: worker's compensation insurance coverage and limits as statutorily required; Employers' Liability Coverage shall be not less than \$1,000,000 each accident, \$1,000,000 each disease, \$1,000,000 disease policy aggregate, except when projects include exposures covered under the United States Longshoremen and Harbor Workers Act, Maritime and/or Jones Act and/or Maritime Employers Liability (MEL) limits shall be not less than \$1,000,000/\$1,000,000/\$1,000,000. *Coverage for owners, officers and/or partners shall be included in the policy and a statement of such shall be made by the insuring producer on the face of the certificate.*
6. Owners Protective Liability (OPL) (formerly Owners and Contractors Protective Liability (OCP) Insurance) shall be furnished by the Contractor naming St. Tammany Parish Government as the Named Insured and shall provide coverage in the minimum amount of \$1,000,000 combined single limit (CSL) each occurrence, \$2,000,000 aggregate. Any project valued in excess of \$3,000,000 shall be set by the Office of Risk Management. The policy and all endorsements shall be addressed to St. Tammany Parish Government, Office of Risk Management, P. O. Box 628, Covington, LA 70434.
7. Builder's Risk Insurance shall be required on buildings, sewage treatment plants and drainage pumping stations, and shall be written on an "all-risk" or equivalent policy form in the amount of the full value of the initial Contract sum, plus value of subsequent Contract modifications and cost of materials supplied or installed by others, comprising 100% total value for the entire project including foundations. Deductibles should not exceed \$5,000 and Contractor shall be responsible for any

and all policy deductibles. This insurance shall cover portions of the work stored off the site, and also portions of the work in transit. In addition, Installation Floater Insurance, on an “all-risk” form, will be carried on all pumps, motors, machinery and equipment on the site or installed. Both the Builder’s Risk Insurance and the Installation Floater Insurance shall include the interests of the Owner, Contractor, Subcontractors, and Sub-subcontractors and shall terminate only when the Project has been accepted. St. Tammany Parish Government, P. O. Box 628, Covington, LA 70434 shall be the first named insured on the Builder’s Risk and Installation Floater Insurance.

8. Professional Liability (errors and omissions) insurance in the sum of at least One Million Dollars (\$1,000,000) per claim with Two Million Dollars (\$2,000,000) annual aggregate.
 9. An umbrella policy or excess policy may be required and/or allowed to meet minimum coverage limits, subject to the review and approval by St. Tammany Parish Government, Office of Risk Management.
- 24.08 All policies of insurance shall meet the requirements of the Parish of St. Tammany prior to the commencing of any work. The Parish of St. Tammany has the right, but not the duty, to approve all insurance policies prior to commencing of any work. If at any time, it becomes known that any of the said policies shall be or becomes unsatisfactory to the Parish of St. Tammany as to form or substance; or if a company issuing any such policy shall be or become unsatisfactory to the Parish of St. Tammany, the Contractor shall promptly obtain a new policy, timely submit same to the Parish of St. Tammany for approval and submit a certificate thereof as provided above. The Parish agrees to not unreasonably withhold approval of any insurance carrier selected by Contractor. In the event that Parish cannot agree or otherwise authorize said carrier, Contractor shall have the option of selecting and submitting new insurance carrier within 30 days of said notice by the Parish. In the event that the second submission is insufficient or is not approved, then the Parish shall have the unilateral opportunity to thereafter select a responsive and responsible insurance carrier all at the cost of Contractor and thereafter deduct from Contractor's fee the cost of such insurance.
- 24.09 Upon failure of Contractor to furnish, deliver and/or maintain such insurance as above provided, the contract, at the election of the Parish of St. Tammany, may be forthwith declared suspended, discontinued or terminated. Failure of the Contractor to maintain insurance shall not relieve the Contractor from any liability under the contract, nor shall the insurance requirements be construed to conflict with the obligation of the Contractor concerning indemnification.
- 24.10 Contractor shall maintain a current copy of all annual insurance policies and provide same to the Parish of St. Tammany as may be reasonably requested.
- 24.11 It shall be the responsibility of Contractor to require that these insurance requirements are met by all contractors and sub-contractors performing work for and on behalf of Contractor. Contractor shall further ensure the Parish is named as additional insured on all insurance policies provided by said contractor and/or sub-contractor throughout the duration of the project, and that renewal certificates for any policies expiring prior to the Parish’s final acceptance of the project shall be furnished to St. Tammany Parish Government, Department of Legal, Office of Risk Management, without prompting.

NOTICE:

These are only an indication of the coverages that are generally required. Additional coverages and/or limits may be required for projects identified as having additional risks or exposures. Please note that some requirements listed may not necessarily apply to your specific services. St. Tammany Parish Government reserves the right to remove, replace, make additions to and/or modify any and all of the insurance requirement language upon review of the final scope of services presented to Office of Risk Management prior to execution of a contract for services.

For inquiries regarding insurance requirements, please contact:

**St. Tammany Parish Government
Office of Risk Management
P. O. Box 628
Covington, LA 70434
Telephone: 985-898-5226
Email: riskman@stpgov.org**

- 24.12 Nothing contained in these insurance requirements is to be construed as limiting the extent of the Contractor's Responsibility for payment of damages resulting from its operations under this Contract.

25.00 OWNER'S RIGHT TO OCCUPANCY

- 25.01 The Owner shall have the right to use, at any time, any and all portions of the Work that have reached such a stage of completion as to permit such occupancy, provided such occupancy does not hamper the Contractor or prevent its efficient completion of the Contract or be construed as constituting an acceptance of any part of the Work.
- 25.02 The Owner shall have the right to start the construction of houses, structures or any other building concurrent with the Contractor's Work.

26.00 SURVEY HORIZONTAL AND VERTICAL CONTROL

- 26.01 The Owner shall provide surveys for construction to establish reference points which in its judgment are necessary to enable Contractor to layout and proceed with its Work. Contractor shall be responsible for surveying and laying out the Work and shall protect and preserve the established reference points and shall make no changes or relocations without the prior written approval of the Owner. Contractor shall report to Owner whenever any reference point is lost or destroyed and the Owner shall decide if the reference point shall be replaced by its or the Contractor's forces.
- 26.02 The Contractor shall establish lines and grades with its own forces in sufficient number and location for the proper execution of the Work.
- 26.03 If the Contractor, during the construction, damages the established property corners and/or other markers and thereafter requests the Owner to re-stake same in order to complete the project, this expense will be borne solely by the Contractor.

27.00 TERMINATION OF THE CONTRACT, OWNER'S AND CONTRACTORS RIGHT TO STOP WORK.

- 27.01 If the Contractor should be adjudged bankrupt (voluntarily or involuntarily) or if it should make a general assignment for the benefit of its creditors, or if a receiver should be appointed on account of its insolvency, or if it should persistently or repeatedly refuse or should fail (except in cases for which extension of time is provided) to supply enough properly skilled workmen or proper materials, or if it should fail to make prompt payment to Subcontractors or for material or labor, or persistently disregard laws, ordinances or the instructions of the Owner, or otherwise be guilty of a substantial violation of any provision of the Contract, then the Owner, upon the certificate of the Owner that, in its unilateral discretion and judgment, believes sufficient cause exists to justify such action, may, without prejudice to any other right or remedy and after giving the Contractor ten (10) calendar days written notice, terminate the employment of the Contractor and take possession of the premises and of all materials, tools and appliances thereon and finish the Work by whatever method the Owner may deem expedient.
- 27.02 Failure of the Contractor to start the Work within the time limit specified herein or substantial evidence that the progress being made by the Contractor is sufficient to complete the Work within the specified time shall be grounds for termination of the Contract by the Owner.
- 27.03 Before the Contract is terminated, the Contractor and its surety will first be notified in writing by the Owner of the conditions which make termination of the Contract imminent.

When after ten (10) calendar days' notice is given and if satisfactory effort has not been made by the Contractor or its surety to correct the conditions, the Owner may declare, in its exclusive discretion, that the Contract is terminated and so notify the Contractor and its surety accordingly.

- 27.04 Upon receipt of notice from the Owner that the Contract has been terminated, the Contractor shall immediately discontinue all operations. The Owner may then proceed with the Work in any lawful manner that it may elect until Work is finally completed.
- 27.05 The exclusive right is reserved to the Owner to take possession of any machinery, implements, tools or materials of any description that shall be found upon the Work, to account for said equipment and materials, and to use same to complete the Project. When the Work is finally completed, the total cost of same will be computed. If the total cost is less than the Contract Price, the difference will not be paid to the Contractor or its surety.
- 27.06 In case of termination, all expenses incident to ascertaining and collecting losses under the Bond, including legal services, shall be assessed against the Bond.
- 27.07 If the Work should be stopped under any order of any court or public authority for period of sixty (60) calendar days, through no act or fault of the Contractor or anyone employed by it, or if the Owner shall fail to pay the Contractor within a reasonable time any sum certified by the Owner, then the Contractor may, upon ten (10) calendar days written notice to the Owner, stop Work or terminate this Contract and recover from the Owner payment for all Work properly and professionally executed in a workmanlike manner. This loss specifically includes actual cost of materials and equipment, together with all wages inclusive of all federal, state, and local tax obligations. This loss specifically includes reimbursement of all insurances on a pro-rata basis from the date of termination to date of policy period. This loss excludes and specifically does not include recovery by the Contractor for lost profit, indirect & direct expenses, overhead, and the like.

28.00 PAYMENTS TO THE CONTRACTOR

- 28.01 Monthly certificates for partial payment, in a form approved by the Owner, shall be transmitted to the Owner upon receipt from the Contractor and acceptance by the Owner. In accordance with LSA-R.S. 38:2248(A), when the Contract Price is less than five hundred thousand dollars, these certificates shall be equal to ninety percent (90%) of both the Work performed and materials stored at the site; and when the Contract Price is five hundred thousand dollars or more, these certificates shall be equal to ninety-five percent (95%) of both the Work performed and materials stored at the site. Partial payment certificates shall include only Work, materials and equipment that are included in official Work Order and which meet the requirements of plans, Specifications and Contract Documents. These monthly estimates shall show the amount of the original estimate for each item, the amount due on each item, the gross total, the retained percentage, the amount previously paid and the net amount of payment due.
- 28.02 After final completion and acceptance by the Owner of the entire Work, and when the Contract Price is less than five hundred thousand dollars, the Owner shall issue to the Contractor Certificate of Payment in sum sufficient to increase total payments to ninety percent (90%) of the Contract Price. After final completion and acceptance by the Owner of the entire Work, and when the Contract Price is five hundred thousand dollars or more, the Owner shall issue to the Contractor Certificate of Payment in sum sufficient to increase total payments to ninety-five percent (95%) of the Contract Price.
- 28.03 When the Contract Price is less than five hundred thousand dollars, the final payment certificate of the remaining ten percent (10%) of the Contract Price, minus any deduction for deficient or Defective Work or other applicable deductions, will be issued by the Owner forty-five (45) days after filing acceptance in the Mortgage Office of the Parish and a Clear Liens and Privilege Certificate has been secured. When the Contract Price is five hundred thousand dollars or more, the final payment certificate of the remaining five percent (5%) of the Contract Price, minus any deduction for deficient or Defective Work or other applicable deductions, will be issued by the Owner forty-five (45) days after filing acceptance in the Mortgage Office of the Parish and a Clear Liens and Privilege Certificate has been secured. Before issuance of the final payment certificate, the Contractor shall deposit with the Owner a certificate from the Clerk of Court and Ex-Officio Recorder of

Mortgages from the Parish in which the Work is performed to the effect that no liens have been registered against Contract Work.

- 28.04 When, in the opinion of the Contractor, the Work provided for and contemplated by the Contract Documents has been substantially completed, the Contractor shall notify the Owner in writing that the Work is substantially complete and request a final inspection. The Owner shall proceed to perform such final inspection accompanied by the Contractor. Any and all Work found by this inspection to be Defective or otherwise not in accordance with the plans and Specifications shall be corrected to the entire satisfaction of the Owner and at the sole expense of the Contractor. If the Contract is found to be incomplete in any of its details, the Contractor shall at once remedy such defects, and payments shall be withheld and formal acceptance delayed until such Work has been satisfactorily completed.
- 28.05 If payment is requested on the basis of materials and equipment not incorporated in the Work, but delivered and suitably stored and protected from damage and theft at the site, the Request for Payment shall also be accompanied by such data, satisfactory to the Owner, as will establish Owner's title to the material and equipment and protect its interest therein, including applicable insurance.
- 28.06 Each subsequent Request for Payment shall include an affidavit of Contractor stating that all previous progress payments received on account of the Work have been applied to discharge in full all of Contractor's obligations reflected in prior Request for Payment.
- 28.07 Each subsequent request for payment shall include an affidavit by Contractor that Contractor, all subcontractors, agents, material suppliers and all other persons supplying material to the project upon which State of Louisiana and/or St. Tammany sales taxes are lawfully due have paid these taxes and that all supplies and materials purchased for this project and for which Contractor has been paid have had all lawfully due State and/or St. Tammany sales taxes paid.
- 28.08 The Bid Proposal, unless otherwise modified in writing, and the Contract constitute the complete Project. The Contract Prices constitute the total compensation payable to Contractor and the cost of all of the Work and materials, taxes, permits and incidentals must be included into the Bid submitted by the Contractor and included into those items listed on the Proposal.
- 28.09 Any additional supporting data required by the Owner in order to substantiate Contractor's request for payment shall be furnished by Contractor at no cost to the Owner.
- 28.10 Owner may withhold from payment to Contractor as may be necessary to protect itself from loss on account of:
- (1) Defective and/or inferior work;
 - (2) Damage to the property of Owner or others caused by Contractor;
 - (3) Failure by Contractor to make payments properly to sub-contractors or to pay for labor, materials or equipment used on this project;
 - (4) Failure by Contractor to pay taxes due on materials used on this project;
 - (5) Damage by Contractor to another Contractor;
 - (6) Insolvency;
 - (7) Bankruptcy, voluntary or involuntary;
 - (8) Revocation of corporate status;
 - (9) Failure to follow corporate formalities;
 - (10) Unprofessional activities;
 - (11) Unworkmanlike performance;
 - (12) Fraud and/or misrepresentation of any kind.

29.00 ACCEPTANCE AND FINAL PAYMENT(S)

- 29.01 Upon receipt of written notice from Contractor that the work is substantially complete and usable by Owner or the Public in suitable manner, the Owner and the Contractor shall jointly inspect the work.
- 29.02 If the Owner by inspection determines that the work is not substantially complete in a suitable manner for use by the Owner or the Public, then the Owner shall so notify the Contractor in writing stating such reason. All reasons need not be disclosed unless actually

known. The Owner is afforded an opportunity to amend said notices as are reasonably possible.

- 29.03 If the Owner by its inspection determines that the work is substantially complete, it shall prepare a list of all items not satisfactorily completed and shall notify the Contractor and Owner in writing that the work is substantially complete and subject to satisfactory resolution of those items on the list (punch list). Punch lists may be amended from time to time by Owner in the event that additional deficiencies are discovered. In accordance with LSA-R.S. 38:2248(B), any punch list generated during a construction project shall include the cost estimates for the particular items of work the design professional has developed based on the mobilization, labor, material, and equipment costs of correcting each punch list item. The design professional shall retain his working papers used to determine the punch list items cost estimates should the matter be disputed later. The contract agency shall not withhold from payment more than the value of the punch list. Punch list items completed shall be paid upon the expiration of the forty-five (45) day lien period. The provisions of this Section shall not be subject to waiver.
- 29.04 Upon determination of substantial completeness with the punch list, the Contract Time is interrupted and the Contractor is given a reasonable time not to exceed thirty (30) consecutive calendar days to effect final completion by correcting or completing all of those items listed on the punch list. If the items on the punch list are not completed in a satisfactory manner within the thirty day period, then the Contract Time will begin to run again and will include for purposes of determining liquidated damages the thirty day period the grace period being withdrawn.
- 29.05 Upon receipt by Owner of written determination that all work embraced by the contract has been completed in a satisfactory manner, the Owner shall provide a written acceptance to Contractor who shall record Owner's written acceptance with the recorder of Mortgages, St. Tammany Parish. The Contractor shall properly prepare, submit and pay for all costs associated with said Acceptance. The Contractor is also responsible for preparation, re-submission and payment of any and all updated certificates.
- 29.06 Retainage monies, minus those funds deducted in accordance to the requirements of this agreement including but not limited to Paragraph 28.10, shall be due Contractor not earlier than forty-six (46) calendar days after recordation of certificate of Owner's acceptance provided the following:
- (1) Contractor shall prepare, secure, pay for and submit clear lien and privilege certificate, signed and sealed by Clerk of Court or Recorder of Mortgages, Parish of St. Tammany and dated at least forty-six (46) days after recordation of certificate of acceptance;
 - (2) Ensure that the official representative of the Owner has accepted as per LSA-R.S. 38:2241.1, *et seq.* and that all following sub-sections have been properly satisfied as per law;
 - (3) Ensure that all signatures are affixed and that there exists the requisite authority for all signatures;
 - (4) Ensure accurate and proper legal descriptions;
 - (5) Properly identify all parties and/or signatories;
 - (6) Properly identify all mailing addresses;
 - (7) Correctly set for the amount of the contract, together with all change orders;
 - (8) Set out a brief description of the work performed;
 - (9) Reference to any previously recorded contract, lien or judgment inscription that may affect the property;
 - (10) Certification that substantial completion has occurred, together with any applicable date(s);

- (11) Certification that no party is in default and/or that the project has been abandoned.

29.07 After securing the clear lien and privilege certificate the Contractor shall prepare its final application for payment and submit to Owner. The Owner shall approve application for payment, or state its objections in writing and forward to Contractor for resolution.

30.00 NOTICE AND SERVICE THEREOF

30.01 Any Notice to Contractor from the Owner relative to any part of this Contract shall be in writing and shall be considered delivered and the service thereof completed when said notice is posted; by certified mail, return receipt requested to the said Contractor at its last given address, or delivered in person to said Contractor or its authorized representative on the Work.

31.00 INTENTION OF THESE GENERAL CONDITIONS

31.01 These General Conditions shall be applicable to all contracts entered into by and between the Owner and Contractors, except as may be altered or amended with the consent of the Owner, and/or provided for in the Special Conditions of each contract. Contractor shall be presumed to have full knowledge of these General Conditions which shall be applicable to all contracts containing these General Conditions, whether Contractor has obtained a copy thereof or not.

32.00 SEVERABILITY

32.01 If any one or more or part of any of the provisions contained herein and/or in the Specifications and Contract for the Work shall for any reason be held invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect any other provisions of this Agreement or attachment, but it shall be construed as if such invalid, illegal, or unenforceable provision or part of a provision had never been contained herein.

32.02 CHANGING THESE CONDITIONS: Owner reserves the right to change or modify these General Conditions as it deems best, or as required by law. The General Conditions may also be modified for a particular project by the use of Special Conditions prior to the issuance of the Advertisement for Bid. However, once an advertisement for bid is made for any specific project, any changes to the General Conditions as they affect that specific project must be made in writing and issued via an addendum in accordance with State Law.

33.00 LAW OF THE STATE OF LOUISIANA

33.01 The Contract Documents shall be governed by the Law of the State of Louisiana.

33.02 The Contractor agrees to pay reasonable attorney's fees and other reasonable attendant costs, in the event that it becomes necessary for the Owner to employ an attorney in order to enforce compliance with or any remedy relating to any covenants, obligations, or conditions imposed upon the Contractor by this Agreement. Attorney fees shall be based upon the prevailing hourly rate of attorney rates in the private sector. In no case shall the hourly rate be less than \$175.00 per hour. All attorney fees collected shall be paid the operating budget of the Office of the Parish President.

33.03 The jurisdiction and venue provisions shall apply to all contractors, sureties, and subcontractors. The 22nd Judicial District for the Parish of St. Tammany shall be the court of exclusive jurisdiction and venue for any dispute arising from these General Conditions and/or any contract executed in conjunction with these General Conditions. All parties specifically waive any rights they have or may have for removal of any disputes to Federal Court, or transfers to different State District Court.

33.04 Contractor warrants that it has and/or had received a copy of these General Conditions at all times material hereto; Contractor further agrees that it has read and fully and completely

understands each and every condition herein.

33.05 The property description will be more fully set out by an attached exhibit.

33.06 The Contractor warrants that it has the requisite authority to sign and enter this agreement.

33.07 It is specifically understood and agreed that in the event Contractor seeks contribution from the Parish or pursues its legal remedies for any alleged breach of this agreement by the Parish, then the following list of damages SHALL NOT BE RECOVERABLE BY CONTRACTOR. This list includes, but is not limited to:

1. indirect costs and/or expenses;
2. direct costs and/or expenses;
3. time-related costs and/or expenses;
4. award of extra days;
5. costs of salaries or other compensation of Contractor's personnel at Contractor's principal office and branch offices;
6. expenses of Contractor's principal, branch and/or field offices;
7. any part of Contractor's capital expenses, including any interest on Contractor's capital employed for the work;
8. any other charges related to change orders;
9. overhead and general expenses of any kind or the cost of any item not specifically and expressly included in Cost of Work.

33.08 DEFAULT AND WAIVERS

It is understood that time is of the essence. It is specifically understood between the parties that Contractor waives any and all notice to be placed in default by the Owner. This subsection shall supersede and prime any other subsection herein above that is in conflict. The Owner specifically reserves its right and specifically does not waive the requirement to be placed in default by the Contractor as per law.

33.09 St. Tammany Parish Government contracts to be awarded are dependent on the available funding and/or approval by members designated and/or acknowledged by St. Tammany Parish Government. At any time St. Tammany Parish Government reserves the right to cancel the award of a contract if either or both of these factors is deficient.

33.10 It is the Parish's policy to provide a method to protest exclusion from a competition or from the award of a contract, or to challenge an alleged solicitation irregularity. It is always better to seek a resolution within the Parish system before resorting to outside agencies and/or litigation to resolve differences. All protests must be made in writing, and shall be concise and logically presented to facilitate review by the Parish. The written protest shall include:

1. The protester's name, address, and fax and telephone numbers and the solicitation, bid, or contract number;
2. A detailed statement of its legal and factual grounds, including a description of the resulting prejudice to the protester;
3. Copies of relevant documents;
4. All information establishing that the protester is an interested party and that the protest is timely; and
5. A request for a ruling by the agency; and a statement of the form of relief requested.

The protest shall be addressed to Director of Procurement, St. Tammany Parish Government, P.O. Box 628, Covington, LA 70434.

The protest review shall be conducted by the Parish Procurement Department.

Only protests from interested parties will be allowed. Protests based on alleged solicitation improprieties that are apparent before bid opening, or the time set for receipt of initial

proposals must be filed with and received by the Procurement Department BEFORE those deadlines.

Any other protest shall be filed no later than ten (10) calendar days after the basis of the protest is known, or should have been known (whichever is earlier).

The Parish will use its best efforts to resolve the protest within thirty (30) days of the date that it is received by the Parish. The written response will be sent to the protestor via mail and, fax, if a fax number has been provided by the protestor. The protester can request additional methods of notification.

CORPORATE RESOLUTION

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF INCORPORATED.

AT THE MEETING OF DIRECTORS OF _____,
INCORPORATED, DULY NOTICED AND HELD ON _____,
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT
WAS:

RESOLVED THAT _____, BE AND IS HEREBY
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS
AND TRANSACTIONS WITH THE PARISH OF ST. TAMMANY OR ANY OF ITS
AGENCIES, DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT
LIMITED TO, THE EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS,
BONDS, SURETIES, CONTRACTS AND ACTS AND TO RECEIVE ALL PURCHASE
ORDERS AND NOTICES ISSUED PURSUANT TO THE PROVISIONS OF ANY SUCH BID
OR CONTRACT, THIS CORPORATION HEREBY RATIFYING, APPROVING,
CONFIRMING, AND ACCEPTING EACH AND EVERY SUCH ACT PERFORMED BY
SAID AGENT AND ATTORNEY-IN-FACT.

I HEREBY CERTIFY THE FOREGOING TO BE
A TRUE AND CORRECT COPY OF AN
EXCERPT OF THE MINUTES OF THE ABOVE
DATED MEETING OF THE BOARD OF
DIRECTORS OF SAID CORPORATION, AND
THE SAME HAS NOT BEEN REVOKED OR
RESCINDED.

SECRETARY-TREASURER

DATE

Certificate of Insurance Instructions

The below information is intended to guide Contractors on what information is needed to be listed on the Certificate of Insurance. All Insurance limit requirements can be found in Attachment D.

- **Certificate Holder** – STPG must be listed as the certificate holder, and it must include our address of: P.O. Box 628, Covington, LA 70434
 - Reason: the certificate holder is where cancellations of coverage, or updated certificates are mailed. If a vendor terminates a policy, we will be notified.
- **Additional Insured** – We must be named as an additional insured so that if there is a lawsuit against the vendor for a project, their coverage will cover STPG as well if we are named in the lawsuit.
 - We must be named in the Description of Operations box – reason: there could be other additional insureds, and we want to have no doubt that we are one of the additional insureds.
 - We must be named as additional insured on the following coverages: General liability, Auto Liability, Umbrella/Excess Liability, Environmental/Pollution Liability.
 - Professional Liability policies do not allow for an additional insured by most carriers.
- **Project Name & Contract #** - We need this listed in the Description of Operations, again so that if there is a lawsuit, we have proof that coverage was active for that project.
- **Waiver of Subrogation** – This can either be listed in the Description of Operations or checked off in the appropriate columns.

From the Insurance Requirement form:

Waiver of Subrogation: The Provider's insurers will have no right of recovery or subrogation against the Parish of St. Tammany, it being the intention of the parties that all insurance policy(ies) so affected shall protect both parties and be the primary coverage for any and all losses covered by the below described insurance.

- **Owners Protective Liability (OPL) or (OCP)** – Certificate of Insurance for OCP names St. Tammany Parish Government as the Insured and the Certificate Holder.
- Sample of Certificate of Insurance (COI) can be found on page 2.
- Please refer to this section in the package labeled “Insurance Requirements” for limits required for this project

Any questions regarding insurance requirements please contact the Risk Department at 985-898-5226 or email riskman@stpgov.org



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME:	
	PHONE (A/C, No. Ext):	FAX (A/C, No):
INSURED	E-MAIL ADDRESS:	
	INSURER(S) AFFORDING COVERAGE	
	NAIC #	
	INSURER A :	
	INSURER B :	
	INSURER C :	
INSURER D :		
INSURER E :		
INSURER F :		

COVERAGES**CERTIFICATE NUMBER:****REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	GENERAL LIABILITY						EACH OCCURRENCE \$
	☐ COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence) \$
	☐ CLAIMS-MADE ☐ OCCUR						MED EXP (Any one person) \$
							PERSONAL & ADV INJURY \$
							GENERAL AGGREGATE \$
	GEN'L AGGREGATE LIMIT APPLIES PER:						PRODUCTS - COMP/OP AGG \$
	☐ POLICY ☐ PRO-JECT ☐ LOC						\$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident) \$
	☐ ANY AUTO						BODILY INJURY (Per person) \$
	☐ ALL OWNED AUTOS						BODILY INJURY (Per accident) \$
	☐ HIRED AUTOS						PROPERTY DAMAGE (Per accident) \$
	☐ SCHEDULED AUTOS						\$
	☐ NON-OWNED AUTOS						
	UMBRELLA LIAB						EACH OCCURRENCE \$
	☐ EXCESS LIAB						AGGREGATE \$
	☐ OCCUR						\$
	☐ CLAIMS-MADE						
	DED ☐ RETENTION \$						
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY						WC STATUTORY LIMITS ☐ OTH-ER ☐
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	Y / N ☐	N / A				E.L. EACH ACCIDENT \$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE \$
							E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Project Name:

Contract #:

(Name St. Tammany Parish Government as an additional insured).

CERTIFICATE HOLDER**CANCELLATION**

St. Tammany Parish Government
P.O. Box 628
Covington, LA 70434

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

SECTION 11

Bond No.: _____

CONTRACT AGREEMENT BETWEEN PARISH AND CONTRACTOR

BY: ST. TAMMANY PARISH GOVERNMENT

**UNITED STATES OF
AMERICA**

WITH: «TXTCOMPANYNAME»

**STATE OF LOUISIANA
ST. TAMMANY PARISH**

This agreement is entered into this _____ day of _____, 20____, by and between: «TXTCOMPANYNAME», hereinafter called the "Contractor", whose business address is «TXTADDRESS», «TXTCITY», «TXTSTATE» «txtZip» and the St. Tammany Parish Government, hereinafter called the "Parish", whose business address is P.O. Box 628, Covington, LA 70434 (collectively, the "Parties") for «TXTPROJECTNAME» project. Witnessed that the Contractor and the Parish, in consideration of premises and the mutual covenants, consideration and agreement herein contained, agree as follows:

1. SCOPE OF SERVICES

«txtScopeSummary»

2. CONSTRUCTION DOCUMENTS

It is recognized by the Parties herein that said Construction Documents, including by way of example and not of limitation, the plans and Specifications, General Conditions, Supplementary General Conditions, any addenda thereto, the drawings (if any), and the bid, quote or other procurement documents impose duties and obligations upon the Parties herein, and said Parties thereby agree that they shall be bound by said duties and obligations. For these purposes, all of the provisions contained in the aforementioned Construction Documents are incorporated herein by reference with the same force and effect as though said Construction Documents were herein set out in full. Copies of the aforementioned Construction Documents are in the possession of both the Contractor and the Parish for reference.

3. TIME FOR COMPLETION

The work shall be commenced on a date to be specified in a written order of the Parish and shall be completed within «intCompletionTime» () calendar days from and after said date.

4. COMPENSATION TO BE PAID TO THE CONTRACTOR

The Parish will pay and the Contractor will accept in full consideration for the performance of the Contract the sum of «curREQGrandTotal».

5. RETAINAGE

A retainage fee will be applied to all contracts with a total price of \$100,000.00 or more. For contracts priced between \$100,000.00 and \$499,999.99, the retainage shall be 10% of the amount. For contracts priced at \$500,000.00 or more, the retainage shall be 5%. Retainage will be deducted from each payment and released in accordance with the contract closeout and acceptance requirements.

6. PERFORMANCE AND PAYMENT BOND

To these presents personally came and intervened _____,
(Name of Attorney in Fact)
herein acting for _____, a corporation organized
(Surety)
and existing under the laws of the State of _____, and duly authorized
to transact business in the State of Louisiana, as surety, who declared that having
taken cognizance of this Contract and of the Construction Documents mentioned

herein, he hereby in his capacity as its Attorney in Fact obligates his company, as surety for the said Contractor, unto the said Parish, up to the sum of «curREQGrandTotal». The condition of this performance and payment bond shall be that should the Contractor herein not perform the Contract in accordance with the terms and conditions hereof, or should said Contractor not fully indemnify and save harmless the Parish from all costs and damages which he may suffer by said Contractor's non-performance or should said Contractor not pay all persons who have fulfilled obligations to perform labor and/or furnish materials in the prosecution of the work provided for herein, including by way of example, workmen, laborers, mechanics, and furnishers of materials, machinery, equipment and fixtures, then said surety agrees and is bound to so perform the Contract and make said payment(s).

Contractor and Parish specifically agree to and recognize (1) the statutory employer relationship existing between the Parish and any employees performing work under this Contract as employees of the Contractor or employees of the “Sub-Contractor”, and (2) that the work performed by the employees of the Contractor and the employees of the “Sub-Contractor” is part of the Parish’s

business, occupation or trade and is essential to the ability of the Parish to generate their products or services, all of which is in accordance with LSA-R.S. 23:1061, and as may be amended.

7. LIABILITY AND INDEMNIFICATION

A. Duty to Defend

Upon notice of any claim, demand, suit, or cause of action against the Parish, alleged to arise out of or be related to this Contract, Contractor shall investigate, handle, respond to, provide defense for, and defend at its sole expense, even if the claim, demand, suit, or cause of action is groundless, false, or fraudulent. The Parish may, but is not required to, consult with or assist the Contractor, but this assistance shall not affect the Contractor's obligations, duties, and responsibilities under this section. Contractor shall obtain the Parish's written consent before entering into any settlement or dismissal.

B. Contractor Liability

Contractor shall be liable without limitation to the Parish for any and all injury, death, damage, loss, destruction, damages, costs, fines, penalties, judgments,

forfeitures, assessments, expenses (including attorney fees), obligations, and other liabilities of every name and description, which may occur or in any way arise out of any act or omission of Contractor, its owners, agents, employees, partners or subcontractors.

C. Force Majeure

It is understood and agreed that neither party can foresee the exigencies beyond the control of each party which arise by reason of an Act of God or force majeure; therefore, neither party shall be liable for any delay or failure in performance beyond its control resulting from an Act of God or force majeure. The Parish shall determine whether a delay or failure results from an Act of God or force majeure based on its review of all facts and circumstances. The parties shall use reasonable efforts, including but not limited to, use of continuation of operations plans (COOP), business continuity plans, and disaster recovery plans, to eliminate or minimize the effect of such events upon the performance of their respective duties under this Contract.

D. Indemnification

Contractor shall fully indemnify and hold harmless the Parish, without limitation, for any and all injury, death, damage, loss, destruction, damages, costs, fines, penalties, judgments, forfeitures, assessments, expenses (including attorney fees), obligations, and other liabilities of every name and description, which may occur or in any way arise out of any act or omission of Contractor, its owners, agents, employees, partners or subcontractors. The Contractor shall not indemnify for the portion of any loss or damage arising from the Parish's act or failure to act.

E. Intellectual Property Indemnification

Contractor shall fully indemnify and hold harmless the Parish, without limitation, from and against damages, costs, fines, penalties, judgments, forfeitures, assessments, expenses (including attorney fees), obligations, and other liabilities in any action for infringement of any intellectual property right, including but not limited to, trademark, trade-secret, copyright, and patent rights.

When a dispute or claim arises relative to a real or anticipated infringement, the Contractor, at its sole expense, shall submit information and documentation,

including formal patent attorney opinions, as required by the Parish.

If the use of the product, material, service, or any component thereof is enjoined for any reason or if the Contractor believes that it may be enjoined, Contractor, while ensuring appropriate migration and implementation, data integrity, and minimal delays of performance, shall at its sole expense and in the following order of precedence: (i) obtain for the Parish the right to continue using such product, material, service, or component thereof; (ii) modify the product, material, service, or component thereof so that it becomes a non-infringing product, material, or service of at least equal quality and performance; (iii) replace the product, material, service, or component thereof so that it becomes a non-infringing product, material, or service of at least equal quality and performance; or, (iv) provide the Parish monetary compensation for all payments made under the Contract related to the infringing product, material, service, or component, plus for all costs incurred to procure and implement a non-infringing product, material, or service of at least equal quality and performance. Until this obligation has been satisfied, the Contractor remains in default.

The Contractor shall not be obligated to indemnify that portion of a claim or dispute based upon the Parish's unauthorized: i) modification or alteration of the product, material or service; ii) use of the product, material or service in combination with other products not furnished by Contractor; or, iii) use of the product, material or service in other than the specified operating conditions and environment.

8. MODIFICATION OF CONTRACT TERMS

Provided that any alterations which may be made in the terms of the Contract or in the work to be done under it, or the giving by the Parish of any extensions of time for the performance of the Contract, or any other forbearance on the part of either the Parish or the Contractor to the other shall not in any way release the Contractor or the Surety from their liability hereunder, notice to the Surety of any such alterations, extensions or other forbearance being hereby waived.

8. TERMINATION, CANCELLATION, AND SUSPENSION

A. Termination

The term of this Contract shall be binding upon the Parties hereto until the work has been

completed by the Contractor and accepted by the Parish, and all payments required to be made to the Contractor have been made. But, this Contract may be terminated upon thirty (30) days written notice under any or all of the following conditions:

- 1) By mutual agreement and consent of the Parties hereto;
- 2) By the Parish as a consequence of the failure of the Contractor to comply with the terms, progress, or quality of the work in a satisfactory manner, proper allowances being made for circumstances beyond the control of the Contractor;
- 3) By either party upon failure of the other party to fulfill its obligations as set forth in this Contract;
- 4) By the Parish with less than thirty (30) days' notice due to budgetary reductions and changes in funding priorities by the Parish;
- 5) In the event of the abandonment of the project by the Parish.

Upon termination, the Contractor shall be paid for actual work performed prior to the Notice of Termination, either based upon the established hourly rate for services actually performed, or on a pro-rata share of the basic fee based upon the phase or percentage of

work actually completed, depending on the type of compensation previously established under this Contract.

Upon Termination, the Contractor shall deliver to the Parish all original documents, notes, drawings, tracings, computer files, and other files pertaining to this Contract or the Work performed, except for the Contractor's personal and administrative files.

B. Cancellation

The continuation of this Contract is contingent upon the appropriation of funds to fulfill the requirements of the Contract by the Parish. If the Parish fails to appropriate sufficient monies to provide for the continuation of this or any other Contract, or if such appropriation is reduced by the veto of Parish President by any means provided in the appropriations Ordinance to prevent the total appropriation for the year from exceeding revenues for that year, or for any other lawful purpose, and the effect of such reduction is to provide insufficient monies for the continuation of the Contract, the Contract shall terminate on the date of the beginning of the first fiscal year for which funds are not appropriated. It is understood and agreed that paragraph (9)(C) below may preempt this paragraph, all at the exclusive and unilateral option of the Parish.

C. Suspension

Should the Parish desire to suspend the work, but not definitely terminate the Contract, the Parish shall supply the Contractor with thirty (30) days' notice. The Parish will also supply Contractor thirty (30) days' notice that the work is to be reinstated and resumed in full force. Contractor shall receive no additional compensation during the suspension period. The Parties may revisit the terms of this Contract during the suspension period. The suspension shall not exceed six (6) months, unless mutually agreed upon between the Parties.

D. Failure to complete or deliver within the time specified or to provide the services as specified in the bid or response will constitute a default and may cause cancellation of the contract. Where the Parish has determined the contractor to be in default. The Parish reserves the right to purchase any or all products or services covered by the contract on the open market and to charge the contractor with the cost in excess of the contract price. Until such assessed charges have been paid, no subsequent bid or response from the defaulting contractor will be considered.

E. In the event of a default and/or breach of this agreement and this matter is forwarded to

legal counsel, then the prevailing party may be entitled to collect a reasonable attorney fees and all costs associated therewith whether or not litigation is initiated. Attorney fees shall be based upon the current, reasonable prevailing rate for counsel in the private sector. The Parties agree to be responsible for such attorney fees, together for all with legal interest from date of agreement breach, plus all costs of collection.

F. Termination or cancellation of this agreement will not affect any rights or duties arising under any term or condition herein.

G. As to the filing of voluntary or involuntary bankruptcy by Contractor, Contractor agrees that if any execution or legal process is levied upon its interest in this Contract, or if any liens or privileges are filed against its interest, or if a petition in bankruptcy is filed against it, or if it is adjudicated bankrupt in involuntary proceedings, or if it should breach this Contract in any material respect, the Parish shall have the right, at its unilateral option, to immediately cancel and terminate this Contract. In the event that Contractor is placed in any chapter of bankruptcy, voluntarily or involuntarily, or otherwise triggers any provision of the preceding sentence herein, it is understood and agreed that all materials, goods and/or services provided shall be and remain the property of the Parish. All rights of Contractor as to goods, wares, products, services, materials and the like

supplied to Parish shall be deemed forfeited.

9. AUTHORITY TO ENTER CONTRACT

The undersigned representative of Contractor warrants and personally guarantees that he/she has the requisite and necessary authority to enter and sign this Contract on behalf of the corporate entity, partnership, etc. The undersigned Parties warrant and represent that they each have the respective authority and permission to enter this Contract. In the event that Contractor is a member of a corporation, partnership, L.L.C., L.L.P., or any other juridical entity, the Parish requires, as an additional provision, that Contractor supply a certified copy of a corporate resolution authorizing the undersigned to enter and sign this Contract. Another option to fulfill this additional provision he/she can supply Louisiana Secretary of State Business filings confirming that he/she is a managing member of a corporation, partnership, L.L.C., L.L.P., or any other juridical entity which authorizes the undersigned to enter and sign this Contract.

Bond No.: _____

In Witness thereof, the Parties hereto on the day and year first above written have executed this Contract in **One (1)** counterpart, each of which shall, without proof or accountancy for the other counterparts, be deemed an original thereof.

WITNESSES:

Signature

Print Name

Signature

Print Name

CONTRACTOR:

Signature

Print Name

Title

Date

Bond No.: _____

WITNESSES:

Signature

Print Name

Signature

Print Name

**ST. TAMMANY PARISH
GOVERNMENT:**

Michael B. Cooper
Parish President

Date

APPROVED BY:

Assistant District Attorney
Civil Division

(Surety)

Signature

Date

Print Name

SECTION 12
TECHNICAL SPECIFICATIONS

DIVISION 01 GENERAL REQUIREMENTS

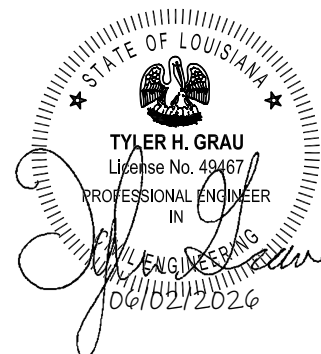
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TECHNICAL SPECIAL PROVISIONS

N.S. SIGNAL RADAR VEHICLE DETECTION SYSTEM (01-26)
N.S. TS-2 TRAFFIC SIGNAL CABINET (01-26)

PERMITS

STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT - INTERSECTION
CONTROL DEVICE PERMIT



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SECTION 01 11 00

SUMMARY OF WORK

PART 1 - GENERAL

1.01 LOCATION OF WORK

All of the work of this Contract is located in property or rights-of-way owned by St. Tammany Parish and the Louisiana Department of Transportation and Development.

1.02 WORK TO BE DONE

- A. The Contractor shall furnish all labor, materials, equipment, tools, services and incidentals to complete all work required by these Specifications and as shown on the Drawings.
- B. The Contractor shall perform the work complete, in place, and ready for continuous service, and shall include repairs, testing, permits, cleanup, replacements and restoration required as a result of damages caused during this construction.
- C. All materials, equipment, skills, tools and labor which are reasonably and properly inferable and necessary for the proper completion of the work in a substantial manner and in compliance with the requirements stated or implied by these Specifications or Drawings shall be furnished and installed by the Contractor without additional compensation, whether specifically indicated in the Contract Documents or not.
- D. The Contractor shall comply with all Parish, state, federal and other codes which are applicable to the proposed construction work.

1.03 GENERAL DESCRIPTION OF WORK TO BE PERFORMED

- A. The Work included in the Contract shall be described in other parts of these Specifications.
- B. All work shall be done as described in the Specifications and as shown on the Drawings, complete, tested and ready for operation.

1.04 WORK SEQUENCE

- A. All work to be done under the Contract shall be done with minimum inconvenience to the public. The Contractor shall coordinate his work with private property owners such that existing services are maintained to all users at all times.

- B. Construct Work to accommodate the Owner's use of the premises during the construction period; coordinate the construction schedule and operations with the Engineer.

1.05 CONSTRUCTION AREAS

- A. Coordinate use of work site under direction of Engineer.
- B. Assume full responsibility for the protection and safekeeping of products under this Contract, stored on the site.
- C. Obtain and pay for the use of additional storage or work areas needed for operations.

1.06 PLANS AND SPECIFICATIONS

- A. When not otherwise specified herein, all work and materials shall conform to the requirements of the Louisiana Department of Transportation and Development hereafter called LADOTD (2026 Edition of Louisiana Standard Specifications for Roads and Bridges), and Supplementary Specifications.
- B. In case of a conflict between the Contract Documents, the Engineer shall be the sole authority in determining which of the two shall take precedence. Such conflict shall not be a basis for an extra expense to the Owner. The Contractor is hereby cautioned to base his/her price and work upon the more costly item in event of conflict as no claim for extra expense will be entertained on this basis.

1.07 JOB SITE DRAWINGS AND SPECIFICATIONS

- A. The Contractor shall maintain a complete and current set of contract drawings and specifications (including any addenda) on the job site.
- B. The Contractor shall maintain one (1) copy of all approved shop drawings, equipment or material drawings, etc. on the job site.

1.08 PERMITS

- A. The Contractor shall obtain and abide by the conditions of all permits and shall obtain proof of satisfaction of conditions from issuers of permits prior to acceptance of the Work by the Owner. The required LADOTD permit is included in the technical specifications for reference.

END OF SECTION

N.S. SIGNAL RADAR VEHICLE DETECTION SYSTEM (01-26)

1 DESCRIPTION

This work shall consist of providing all labor, materials, equipment, and incidentals necessary to furnish, install, test, train and operate Signal Radar Vehicle Detection System (SRVDS). This system will provide roadway monitoring capabilities via electromagnetic microwave radar signals through the air by returning signals that can be processed to determine traffic parameters, traffic counts, and vehicle classifications. The signals bounce off vehicles in their paths and the signal is returned to the detector.

The following Sections are referenced within this Specification:

Guarantee and Warranty of Contractor's Work	104.5
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1.1 SIGNAL RADAR VEHICLE DETECTION

SRVDS provides traffic parameters necessary to the traffic signal controller operation for vehicle detection. All SRVDS shall be supplied from the same manufacturer per construction project.

SRVDS shall utilize a matrix of radar signals for two-dimensional coverage and shall track vehicles through each type of detection's specified Area of Coverage. The SRVDS shall report real-time detection of both moving and stopped vehicles.

2 MATERIALS

2.1 RADAR DESIGN

The SRVDS stop bar radar shall operate in the 24.0 to 24.25 GHz frequency band.

The advance radar has the option to either be in the 24 GHz band or in the 10.5 GHz band. Neither stop bar nor advanced radar shall interfere with any existing or proposed traffic signal equipment.

The radar units shall operate in all weather conditions and comply with the applicable standards stated in the NEMA TS 2-2003 standard for shock, vibration, and temperature. All units shall be rated for up to 95% relative humidity, non-condensing.

The radar units shall be FCC certified under CFR 47, part 15.

2.2 CABINET INTERFACE UNIT (CIU) DESIGN

The CIU shall be a module that provides power and communication to the radar sensors and communication to SDLC port of the signal controller. The CIU shall include all power cables, jumpers and terminal blocks needed to connect up to a minimum of four (4) radar sensors to

the signal cabinet. The CIU shall have a 10/100 Ethernet port to allow connection to the local network. Any variation of necessary communications ports or sensor connecting terminals shall be approved by the Engineer.

The CIU shall operate in the conditions of a signal cabinet, and comply with the applicable standards stated in the NEMA TS 2-2003 standard for shock, vibration, and temperature.

2.3 AREA OF COVERAGE-SRVDS

A. Stop Bar Radar Vehicle Detection

SRVDS stop bar radar sensor shall:

- 1)** Track vehicles through a field of view that extends out a minimum of 140 feet.
- 2)** Be able to detect and report presence in lanes located within a minimum 140-foot from the face of the detector. Any variance of the detectable area shall be approved by the Engineer.
- 3)** Shall detect true presence of vehicles whether in motion or still without using Locking or Latching Algorithms.
- 4)** Shall report presence in lanes with a minimum 90-degree arc from the face of the detector.
- 5)** Shall be able to detect a minimum of ten (10) lanes.

B. Advanced Radar Vehicle Detection

The SRVDS advanced radar sensor shall be able to detect and report vehicle information such as range and speed when mounted within 50 feet of the center of the lanes of interest.

- 1)** Shall be forward fired and be able to detect and report vehicle information when mounted at heights above the road surface, as per manufacturer's recommendations.
- 2)** Shall be able to detect and report vehicles on the roadway up to 600 feet from the detector.
- 3)** Shall be able to detect and report heavy/large vehicles on the roadway up to 900 feet from the detector.
- 4)** Shall be able to detect Estimated Time of Arrival (ETA) for vehicles. The advanced radar sensors shall support user configurable upper and lower ETA filters for each zone. The sensors shall support the configuring of ETA filters in increments of 0.1 seconds.

2.4 DETECTION ZONES-SRVDS

A. Stop Bar Radar Vehicle Detection

The stop bar radar sensors shall be able to detect and report presence for vehicles at the stop bar.

The sensors shall be able to detect and report presence in up to sixteen (16) individual zones as indicated in the plans. The number of lanes used and detection zones shall be set-up and selected from the Graphical User Interface and manually configured via software provided with the detection unit.

Count zones shall also be able to be set up in the stop bar radar detection unit as a 'spot' type of radar detection zone. The software configuration tool included with the sensor shall allow all zones to be set up as required by the plans.

B. Advanced Radar Vehicle Detection

The advanced radar sensors shall be able to simultaneously detect and report information from a minimum of 25 vehicles on the roadway when they are serially sequenced between the near and far boundaries. Up to eight (8) detection zones shall be set-up and selected from the Graphical User Interface.

The advanced radar sensors shall detect range, speed, and vehicle Estimated Time of Arrival (ETA) to the stop bar for vehicles or clusters of vehicles moving in the user-selected direction of travel. The detector shall also detect occupancy or density of the detection zones.

The advanced radar sensors shall provide vehicle call and extend data on up to eight (8) channels that can connect to contact closure modules compliant with NEMA TS 1, NEMA TS 2, and 170/2070 controller cabinets.

2.5 CAPABILITIES-SRVDS

Sensors shall not require roadway modification for placement. The advanced detection should provide easy integration with the stop bar detection and vice versa into the same intersection to form one method/system of detection.

The radar sensors shall distinguish and omit wrong way traffic from activating an assigned detector output.

A. Stop Bar Radar Vehicle Detection

The stop bar radar unit shall be suitable for mounting on roadside poles or mast arms and provide the following activation within the signal cabinet:

- 1)** Presence indication of moving or stopped vehicles in its detection zones, provided by contact closure to existing controllers.
- 2)** Assign a minimum of sixteen (16) detector outputs per radar unit
- 3)** A cabinet interface module for multiple radar units shall be provided
- 4)** Provide documentation that the detection accuracy is at least 95% for each detection zone set-up on the graphical user interface.

B. Advanced Radar Vehicle Detection

The advance radar unit shall be suitable for mounting on signal pole uprights or mast arms and provide the following activation within the signal cabinet:

- 1)** Assign a minimum of eight (8) detector outputs per radar unit
- 2)** A cabinet interface module for multiple radar units shall be provided
- 3)** Provide documentation that the detection accuracy is at least 95% for each detection zone set-up on the graphical user interface.

The advanced radar sensors shall turn on an alert output when the user defined zone output combinational logical is satisfied.

The advanced radar sensors shall turn on normal channel output when any of the channel's alerts are on and the channel's delay and extend time constraints are satisfied.

2.6 ENVIRONMENTAL CONDITIONS AND PROTECTION

The radar unit shall maintain accurate performance in all weather conditions, including rain, freezing rain, snow, wind, dust, fog, and changes in temperature and light, including direct light on sensor at dawn and dusk. All radar sensors shall not require cleaning or adjusting in order to maintain performance. Except as stated otherwise herein, the equipment shall meet all its specified requirements during and after subjecting to any combination of the NEMA TS 2-2003 standard and the following:

- a)** Ambient temperature range of -40°F to +165°F
- b)** Relative humidity from 5 to 95%, non-condensing
- c)** Rain and other precipitation up to 1.0 inch/hour
- d)** Power surge protection devices (SPD) shall be included with the radar sensors for 24 VDC and signal/data line surge protection for Ethernet, RS-485, RS-422 and RS-232 data lines.

2.7 MECHANICAL

The radar sensors shall not exceed five pounds (5 lbs) in weight. All external parts of the radar sensors shall be ultraviolet-resistant, corrosion resistant, and protected from fungus growth and moisture deterioration.

The radar sensors shall be classified as watertight according to the NEMA 250 Standard. The enclosure shall conform to test criteria set forth in the NEMA 250 standard for type 4X enclosures.

Each of the radar sensors shall be able to withstand a drop of up to five (5) feet without compromising its functional and structural integrity. The sensor shall not require adjustments to maintain performance unless roadway geometry changes.

The radar sensors shall be mounted directly onto a mounting assembly fastened to a pole or other solid structure. The assembly shall provide the necessary degrees of rotation to

ensure proper installation. The assembly shall be constructed of weather-resistant materials and shall be able to support a 20-pound load.

2.8 ELECTRICAL

The radar sensors shall consume less than 10 W and shall operate with a DC input between 9 VDC and 32 VDC for SRVDS, or POE. POE injectors shall be approved by the Engineer.

Surge Protection Devices (SPD) shall be provided to protect the equipment from surges in the radar sensors 24 VDC power supply and the signal line RS232, RS 485, or Ethernet communications wiring. Surge suppression shall be UL 1449 listed.

2.9 RADAR DESIGN

The radar units shall be designed to provide detection over a large area and to discriminate lanes. The circuitry shall be void of any manual tuning elements that could lead to human error and degraded performance over time. The radar shall not rely on temperature compensation circuitry to maintain transmit frequency stability.

The bandwidth of the transmit signal of the radar sensor shall not vary by more than 1% under all specified operating conditions and over the expected life of the sensor. The radar sensors shall provide at least eight (8) RF channels so that multiple units can be mounted in the same vicinity without causing interference between them.

2.10 COMMUNICATION PORTS

The radar sensor shall have Ethernet, RS-485, or RS-232 ports for communication from the unit to the cabinet and shall be upgradable (optional) to include integral 10/100 Base-T Ethernet supporting TCP, UDP, IP, ARP, ICMP.

Within the cabinet, all remote communications to Ethernet switches shall be IP Ethernet with RJ-45 connections. For SRVDS, any external device needed to convert serial to IP Ethernet within the cabinet for remote communications shall be provided with the radar sensor unit at no additional cost.

The radar sensor shall support the upload of new firmware into the unit's non-volatile memory. The sensor shall support user defined or automatic configuration of the com ports.

2.11 RADAR DETECTION CABLING

All Radar Detection cable shall be paid per the unit cost of the pay item for Radar Detection Cable, as shown on the plans or details. The manufacturer is responsible for obtaining plan sets and ensuring cable lengths are properly measured and accounted for in the bid price for each sensor unit and as shown on the plans.

The cable shall have a single continuous run with no splices, unless inside a manufacturer supplied junction box. The cable shall be terminated only on the two (2) farthest ends of the cable. The cable shall meet the requirements of the manufacturer.

2.12 ELECTRICAL ISOLATION AND SURGE PROTECTION

All communication and power lines shall be installed using surge protection devices (SPD).

2.13 CONFIGURATION-SRVDS

The radar sensor can either have an on screen interactive or automatic configuration setup. The auto setup shall automatically define traffic lanes, stop bars, and detection zones without requiring user intervention. The auto- configuration process shall automatically define traffic lanes by detecting the relative position of vehicles with the sensor's field of view.

The radar sensor shall also allow the ability of the user to manually adjust the sensor configuration. The graphical interface shall operate on a MS Windows based software. The software shall automatically negotiate the baud rate, the correct serial communication port, operate over a TCP/IP connection, give the operator the ability to save/back up the sensor configuration to a file or load/restore the configuration from a file, and provide a virtual connection option so that the software can be used without connecting to an actual sensor.

A. Stop Bar Radar Vehicle Detection

The stop bar sensor shall support the configuring of lanes, stop bars, and detection zones in 1-foot increments and as stated in these specifications for lane detection.

B. Advanced Radar Vehicle Detection

The advance radar sensor can either have an on screen interactive or automatic setup. The auto setup shall have a method for automatically configuring the sensitivity of detection between 5-foot and 7.5-foot increments. The advanced radar sensor shall support the configuring of zones in at least 5-foot increments.

The advanced radar sensor shall support user configurable high-speed and low-speed detection filters for each zone. These speed filters shall be configured in 1-mph increments.

3 CONSTRUCTION

Radar Detection System shall be constructed to withstand and operate in sustained winds of up to 90 mph and a 30% gust factor. For projects that are in areas with higher wind standard, the higher standard shall be used.

3.1 SRVDS INSTALLATION REQUIREMENTS

The stop bar and advanced radar sensors shall be mounted as shown in the plans or per the manufacturer's recommendations on poles or structures. Mounting brackets shall be provided with the radar sensor and shall be attached to the pole, structure, or mast arm with approved stainless steel bands.

Install detector units on a pole, structure, or mast arm at the manufacturers recommended height above the road surface so that the masking of vehicles is minimized and that all

detection zones are contained within the specified elevation angle as suggested by the manufacturer.

3.2 CABINET INTERFACE UNIT

Where required, install any contact closure modules and cabinet interface modules needed to connect the sensors to the signal controller within the signal cabinet environment shown in the plans. Sensors shall be connected to the cabinet interface module and the cabinet interface unit shall be connected to the signal controller per the manufacturer's requirements for the particular signal cabinet environment shown in the plans at no additional cost.

4 WARRANTY

Warranty shall be in accordance with 104.5. Equipment covered by the manufacturer's warranties shall have the registration of that component placed in the Department's name prior to Final Inspection. Ensure that the vendors and/or manufacturers supplying the components and providing the equipment warranties recognize the Department as the original purchaser and owner/end user of the component from new.

During the warranty period, technical support shall be available from the supplier via telephone within four hours of the time a call is made by the Department, and this support shall be available from factory certified personnel. During the warranty period, updates and corrections to control unit software shall be made available to the Department by the supplier at no additional cost.

5 LADOTD EMPLOYEE TRAINING

The supplier of the radar detection sensors shall, at a minimum, provide an 8-hour operations and maintenance training class with suitable documentation, shall be provided by the supplier of the radar detection sensors. The training shall be at the discretion and approved by the Engineer. The training must include both classroom style training and hands-on training in the field, of the maintenance and troubleshooting procedures required for the system. The training should also consist of a hands-on demonstration of all software configuration and functionality where applicable. The operations and maintenance class shall be scheduled at a mutually acceptable time and location.

6 MEASUREMENT

The Signal Radar Vehicle Detection Sensors (Stop Bar), of the type specified, will be measured as a unit per each. The Signal Radar Vehicle Detection Sensors (Advanced), of the type specified, will be measured as a unit per each. Signal Radar Vehicle Detection System Cabinet Interface Units will be measured per each intersection. Signal Radar Vehicle Detection Cable will be measured by the linear foot, measured horizontally along the conduit, messenger cable,

or mast arm and vertically along the pole. Radar Vehicle Detection Training will be measured per lump sum.

7 PAYMENT

Signal Radar Vehicle Detection Sensor, of the type specified, measured as prescribed above, will be paid for at the contract unit price bid per each, which price shall be full compensation for furnishing all materials, construction installation, connecting, testing, for all equipment, tools, labor and incidentals required to complete the work. Work shall include furnishing, installing, system integration, testing and training (if required) of a complete radar sensor system that includes the unit, cabling between the unit and the cabinet, surge protection devices, communication converters (if required), all conduit, risers and weatherhead between the radar sensors and the cabinet, interconnection wiring, power supply, connections to support structures (includes all incidental components, attachment hardware, mounting brackets, mounting arms, bolts, or any other items to mount the radar sensor as intended), satisfactory completion of testing and training requirements and all work, equipment and appurtenances as required to effect the full operation including remote and local control of the radar site complete in place and ready to use. The price bid shall also include all system documentation including: shop drawings, operations and maintenance manuals, wiring diagrams, block diagrams and other material necessary to document the operation of the radar sensor.

Cabinet Interface Units shall be paid for per each and provided, and installed as specified in the plans, which shall be inclusive of any connections, terminations, and testing (including but not limited to tests required for interfacing the radar sensors and signal controller within the signal cabinet environment).

Signal Radar Vehicle Detection (Cable) will be paid at the contract unit price per linear foot, which price shall be full compensation for all labor, materials, equipment tools, furnishing, installing, system integration, connections, testing, and all incidentals necessary to complete the work.

Radar Vehicle Detection Training, measured as prescribed above, will be paid for as a lump sum unit price.

Payment will be made under:

Item No.	Pay Item	Pay Unit
NS-736-00120	Signal Radar Vehicle Detection Sensor (Stop Bar)	Each
NS-736-00121	Signal Radar Vehicle Detection Sensor (Advanced)	Each
NS-736-00122	Signal Radar Vehicle Detection System Cabinet Interface Unit (CIU)	Each
NS-736-00123	Signal Radar Vehicle Detection (Cable)	Linear Foot
NS-736-00124	Signal Radar Vehicle Detection System Training	Lump Sum

N.S. TS-2 TRAFFIC SIGNAL CABINET (01-26)

1 DESCRIPTION

This specification sets forth the minimum requirements for furnishing and installing a TS-2 Traffic Signal Cabinet.

The TS-2 cabinet assembly shall be able to house a NEMA TS-2, Type 1 or 2 controller unit.

2 EQUIPMENT

The system shall be a preapproved product listed on the LADOTD Traffic Operations Approved Product List 155 (TOAPL 155):

<https://www.dotd.la.gov/about/office-of-operations/traffic-services/traffic-operations-approved-products-list-toapl/>

2.1 MANUAL

A manufacturer's equipment and operations manual shall be submitted to the Engineer.

3 CONSTRUCTION REQUIREMENTS

The cabinet shall be installed as directed by the Engineer and per the manufacturer's recommendations

4 MEASUREMENT

At a minimum, the assembly shall include, but not be limited to:

- a)** TS-2 Traffic Signal Cabinet (Ground Mounted)
- b)** Shall be a preapproved product listed on the LADOTD Traffic Operations Approved Product List 155 (TOAPL 155).
- c)** Configuration 4 (16 position) as defined by NEMA TS-2 clause 5.3.
- d)** Sixteen (16) load switches.
- e)** Eight (8) flash transfer relays.
- f)** Flasher.
- g)** Card rack(s).
- h)** Malfunction Maintenance Unit (MMU).

- i) 24 volt external power supply.
- j) Any necessary mounting hardware.
- k) Concrete foundation (See Plans and LADOTD Traffic Signal Details)
- l) Labor and incidentals for a fully operational system.

TS-2 Traffic Signal Cabinet (Pole Mounted)

- 1) Shall be a preapproved product listed on the LADOTD Traffic Operations Approved Product List 155 (TOAPL 155).
- 2) Configuration 3 (12 position).
- 3) Twelve (12) load switches.
- 4) Six (6) flash transfer relays.
- 5) Flasher.
- 6) Card rack(s).
- 7) Malfunction Maintenance Unit (MMU).
- 8) 24 volt external power supply.
- 9) Any necessary mounting hardware.
- 10) Labor and incidentals for a fully operational system.

MMU for TS-2 Traffic Signal Cabinet

- a) Separate MMU furnished and installed into an existing cabinet.
- b) Shall be a preapproved product listed on the LADOTD Traffic Operations Approved Product List 155 (TOAPL 155).

5 PAYMENT

Payment for TS-2 Traffic Signal Cabinet will be paid at the contract price per each.

Payment will be made under:

Item No.	Pay Item	Pay Unit
NS-736-00130	TS-2 Traffic Signal Cabinet (Ground Mounted)	Each
NS-736-00131	TS-2 Traffic Signal Cabinet (Pole Mounted)	Each
NS-736-00132	MMU for TS-2 Traffic Signal Cabinet	Each

LADOTD Permit # _____ Date Permit Issued: _____
 Date Permit Entered/
 Entered By Initials: _____ Construction Must
 Begin Prior To: _____
 Construction Must Be Completed By: _____

Document 2

State of Louisiana
 Department of Transportation & Development
INTERSECTION CONTROL DEVICE PERMIT

Applicant Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Designated Government Official Contact Information (Owner): _____

Phone Number: _____ Email: _____

Developer Name: St. Tammany Parish GovernmentAddress: P.O. Box 628City: Covington State: LA Zip: 70434Designated Government Official Contact Information (Owner): Truman D. "Trip" Sharp, III (Project Manger STPGOV)Phone Number: 985-898-2552 Email: tdsharp@stpgov.orgType of Permit: Traffic Signal TSI Number 52-786Parish: St. Tammany Community: Slide11State Route: US 11 (Front St)Minor Route/Street: Ben Thomas RdControl Section: 018-04 Log Mile: 1.211 Latitude: 30.303010 Longitude: -89.773473

Call Section 45 at 225-935-0151 to schedule a preconstruction and inspection meeting 10 days prior to construction.

See Attachments: ☐ Traffic Studies and approvals
☒ Signed and stamped DOTD signal construction plans with appropriate standard plans
☐ Traffic control plan and specifications
☒ Document 1 (latest review of permit request)
☒ Other: Signal waiver

The above device(s) shall be installed according to DOTD specifications and the attached documents.

For all mast arm foundations requiring a special design per DOTD's Traffic Signal Details, a special design shall be provided to Traffic Services for review and approval prior to signal construction.

Prior to performing any excavations, the applicant is required to call Louisiana One Call. If installing any underground facilities such as cable or conduits, the applicant must be a member of Louisiana One Call. In addition, the applicant must contact DOTD at 1-800-259-4929 or DOTD-FiberLocates@la.gov at least 24 hours prior to performing any excavation on DOTD Right-of-way (either for installation or maintenance).

The following general conditions and standards shall apply, in addition to those found in Appendix A and B:

FIRST: That, the rights and privileges granted herein shall be non-exclusive and shall not be construed to be any broader than those expressly set out in Acts of the Legislature of the State of Louisiana, regardless of the language used in this permit and that any traffic control devices or appurtenances placed on the highway right-of-way shall be placed in accordance with existing laws and the standards of the Department of Transportation and Development.

SECOND: That, upon acceptance by the Department, all traffic control devices and appurtenances thereto shall become the property of the Louisiana Department of Transportation and Development ("the Department").

THIRD: That, all traffic control devices and appurtenances thereto, until accepted by the Department, shall at all times be subject to inspection by authorized Department personnel and the right is reserved to require such changes, additions, adjustments, repairs, relocations and removal as may at anytime be considered necessary to permit the relocation, reconstruction, widening and maintaining of the highway and to provide proper and safe protection to life and property on or adjacent to the highway, or in the interest of safe and expeditious movement of traffic on the highway, and that the cost of making such changes, additions, adjustments, repairs, relocations, and removal shall be borne by the Developer. All traffic control devices and appurtenances thereto shall be the full responsibility of the Developer and Applicant until final acceptance. The Applicant shall supply the Department's District Area Engineer a 24-hour emergency contact name and telephone number.

FOURTH: That, the proposed devices or their operation or their maintenance shall not unreasonably interfere with the operations and maintenance of the Department's facilities or the facilities of other persons, firms or corporations previously issued permits of use and occupancy, and that the proposed devices shall not be dangerous to persons or property using or occupying the highway or using facilities constructed under previously granted permits of use and occupancy.

FIFTH: That, clearances, types of construction and other specifications for facilities/devices that the Applicant will construct shall be in accordance with the Louisiana Standard Specifications for Roads and Bridges, latest edition, of the Department of Transportation and Development. In the event the Developer's project employs specifications not included therein, the Developer must secure the Department's approval prior to the start of construction. The Department reserves the right to modify its specifications as may be required if conditions warrant.

SIXTH: That data relative to the proposed location, relocation and design of fixtures or appurtenances as may be required by the Department shall be furnished to it by the Developer free of cost, and that the Developer shall make any and all changes or additions necessary to make the proposed fixtures or devices, and appurtenances thereto, satisfactory to the Department of Transportation and Development.

SEVENTH: That, the applicable standards of the Department of Transportation and Development for installations or construction on state highways shall be strictly adhered to and shall become part of the application for this permit and no part of this permit shall be interpreted to include permission to install traffic control devices or anything else on the right of way other than those which are specifically granted by this permit.

EIGHTH: That, any changes or modifications made in installing the traffic control devices covered by this permit or any changes or additions made to the devices at any time after installation shall require a new permit for such changes, modifications or additions and failure to obtain said new permit shall void all permits previously issued for the above traffic control devices and will entitle the Department of Transportation and Development to remove said changes or modifications at the expense of the Developer.

NINTH: That, at any time, if Department personnel inspect said traffic control device and find it damaged or not operating properly from any cause whatsoever, or a problem develops arising from use of this permit, it shall be corrected, resolved, or repaired with new equipment, if required, provided by the Applicant or Developer both of whom shall be liable, in solido, to repair or replace such equipment at no additional cost to the Department. Final repairs or replacement of damaged equipment must meet the approval of the Department engineer prior to or at the time of final inspection; otherwise the traffic control device will not be accepted.

TENTH: Any existing and/or temporary traffic control device shall remain in operation during all construction stages except as noted in the permit. Developer shall provide police supervision of traffic during any down time or at any time the traffic signal system is not in operation, at no cost to the Department.

ELEVENTH: Any inquiry, damage, complaint, or request by the Department regarding existing, temporary, or under-construction traffic control devices shall be investigated and addressed/corrected within two hours of notice. Failure to respond satisfactorily thereto may result in

the Department making any necessary corrections or repairs and the Applicant and Developer hereby agree to be responsible, in solido, for all costs thus incurred plus fifteen (15) percent administration fee.

TWELFTH: Any proposed activity in the vicinity of a highway-rail grade crossing must adhere to the guidelines set forth in the current edition of the Manual of Uniform Traffic Control Devices (MUTCD) and the Railway-Highway Provisions in Section 107.08 of the current edition of the Louisiana Standard Specifications for Roads and Bridges. The Applicant shall contact the Railroad Company in which the work will affect. Work in temporary traffic control zones in the vicinity of high-rail grade crossing which requires lane restrictions, flagging, or other operations shall not create conditions where vehicles can be queued across the railroad tracks. If the queuing of vehicles across the tracks cannot be avoided, a uniformed law enforcement officer or flagger shall be provided at the crossing to prevent vehicles from stopping on the tracks, even if automatic warning devices are in place.

THIRTEENTH: Failure of Applicant to avail itself of the provisions or extensions of the permit within the dates entered on page 1 of 3 of this document, shall invalidate said permit.

Additional Provisions:

1. All signed and stamped plans associated with this permit which are affixed with the LADOTD Permit # shall remain with this permit and shall at all times be kept on the job site. If requested by a representative of the Louisiana Department of Transportation and Development, the entire plan package shall be produced at the job site for review. The traffic control device shall have a weather proof sticker or written neatly in permanent black ink containing the proper agency to call for maintenance, the permit number and the installation date.
2. The DOTD District Office will handle all necessary public notices regarding temporary traffic control related to work authorized by this permit. The Permittee shall notify the District office a minimum of five (5) working days before construction if the traffic control plan was previously approved or contained in the approved plans or a minimum of ten (10) working days before construction if the traffic control plan must be submitted for lane closures not addressed in the plans.

All conditions of this permit are subject to the provisions of LAC title 70.

I, the applicant, agree to hold harmless the DOTD and its duly appointed agents and employees against any action for personal injury or property damage sustained by reason of the exercise of this permit. I understand that this permit may be modified or rescinded at anytime at the discretion of the DOTD and any costs incurred as a result will be at my expense. DOTD shall notify permittee of any potential modifications or changes to this permit at least 180 days prior to the effective date of any modification or change to this permit. I certify that the information contained herein is true, complete, and correct to the best of my knowledge. I understand that if any information contained herein is found to be falsified, this request and any permit issued based on this information shall be voided.

The provisions of this permit are hereby accepted and agreed to this _____ day of _____ 20 _____.
SIGNED _____

Owner's Name (printed): _____

Mailing Address: _____

City: _____ State: _____ Zip: _____

Work Phone: _____ Cell Phone: _____

If exercising Power of Attorney: _____ Name of Authorized Representative: _____

(Attach a copy of Power of Attorney documentation)

I, the Developer, agree to hold harmless the DOTD and its duly appointed agents and employees against any action for personal injury or property damage sustained by reason of the exercise of this permit. I understand that this permit may be modified or rescinded at anytime at the discretion of the DOTD and any costs incurred as a result will be at my expense. DOTD shall notify permittee of any potential modifications or changes to this permit at least 180 days prior to the effective date of any modification or change to this permit. I certify that the information contained herein is true, complete, and correct to the best of my knowledge. I understand that if any information contained herein is found to be falsified, this request and any permit issued based on this information shall be voided.

Signed by: Truman Sharp
 The provisions of this permit are hereby accepted and agreed to this 14 day of April 20 26.

SIGNED FAB134D8907442A...

Owner's Name (printed): Truman D. "Trip" Sharp, III (Project Manager STPGOV)

Mailing Address: P.O. Box 628

City: Covington State: LA Zip: 70434

Work Phone: 985-898-2552 Cell Phone: 985-377-3137

If exercising Power of Attorney: _____ Name of Authorized Representative: _____

(Attach a copy of Power of Attorney documentation)

Date Headquarters Traffic Engineering Management Section Received

Headquarters Personnel to Recommend for Approval

 Traffic Engineering Management Administrator

 Date

APPROVED BY:

Louisiana Department of Transportation and Development

 Headquarter Permit Engineer

Date: _____

Original: LADOTD HQ Permit Engineer

Copies: Applicant, District Permit Specialist, DA, DTOE, District Area Engineer, Section 45, Section 27

Appendix A to Permit No. _____

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APPENDIX A
to
STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
INTERSECTION CONTROL DEVICE PERMIT

Applicant: _____

Developer: _____

Permit Number: _____

GENERAL CONDITIONS

Applicant must construct its Traffic Control Device and appurtenances (collectively "Structure") and any drainage in STRICT compliance with the approved Plans. Failure to do so will result in cancellation of the Permit and the immediate removal of the Structure from Louisiana Department of Transportation and Development ("DOTD" or "Department") property. If there are any conflicts between the Plans and DOTD's Louisiana Standard Specifications for Roads and Bridges, latest edition, ("Standard Specifications"), the provisions contained in the Standard Specifications shall govern unless that aspect of the Plans was specifically approved by the Department.

Prior to acceptance by the DOTD, Developer and Applicant shall maintain, repair, and/or reconstruct the entire Structure including, but not limited to, all drainage associated with the Structure, and the superstructure, substructure, piers, abutments, walls, approaches and all backfill and grading associated with the Structure, as well as all graffiti removal or overpainting involving the Structure if required by DOTD at Developer's and Applicant's sole expense. During such maintenance, repair, or reconstruction, Developer and Applicant(s) shall comply with the Traffic Control Management provisions below.

Developer and Applicant shall require all contractors (and their subcontractors) that will be performing any work on DOTD's property, to furnish evidence of the insurance coverage, policies and binders, and endorsements required herein prior to commencing any work on DOTD's property.

Protection of any fiber optic cable systems is of extreme importance since any break could disrupt service to users resulting in business interruption and loss

Appendix A to Permit No. _____

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of revenues and profits. If such systems are present, the Applicant will telephone the telecommunications company(ies) involved, arrange for a cable locator, make arrangements for relocation or other protection of the fiber optic cable and will commence no work on DOTD's property until all such protection or relocation has been accomplished.

Developer and Applicant shall require that all contractors, , telephone the appropriate DOTD Assistant District Administrator for Operations during normal business hours (7:00 AM to 5:00 PM, Central Time, Monday through Friday, except holidays) prior to commencing any construction, maintenance, repair, or reconstruction on DOTD Property.

Developer and Applicant shall ensure that no work performed by its contractors shall cause any interference with the constant, continuous and uninterrupted use of the roadway, property, and facilities of DOTD, its licensees or others, unless specifically authorized in advance by DOTD. In addition, nothing shall be done or suffered to be done by Developer, Applicant or their contractors at any time that would in any manner impair the safety of the roadway, property, and facilities of DOTD, its licensees or others. All machinery, materials and equipment of Developer, Applicant and their contractors shall be kept at least fifty (50) feet from any roadway travel lanes unless and until there is strict compliance with all Traffic Control Management measure listed hereinbelow, and there shall be no vehicular crossings except at existing public crossings. [unless specifically authorized by the DOTD.](#)

INSURANCE

Applicant shall not begin work upon or over DOTD's Right-of-Way/property until DOTD has been furnished the insurance certificates and endorsements required below and DOTD's Designated Representative has advised the Department that such insurance is in accordance with the Permit requirements. The required insurance shall be kept in full force and effect during the performance of all its work related to this permit and thereafter until Developer, or Applicant (1) has removed all equipment and materials from DOTD's property, (2) has cleaned and restored DOTD's property to DOTD's satisfaction, and (3) the work and installation of the device has been accepted by the DOTD.

Applicant shall, at their sole cost and expense, procure and maintain the following insurance coverage:

A. Commercial General Liability insurance. Commercial general liability (CGL) with a limit of not less than \$1,000,000 each occurrence and an aggregate limit of not less than \$2,000,000. CGL insurance must be written on

Appendix A to Permit No. _____

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ISO occurrence form CG 00 01 (or a substitute form providing equivalent coverage). Commercial general liability policy will name DOTD as an additional insured and, to the fullest extent allowed under law, will contain a waiver of subrogation in favor of the State of Louisiana and the DOTD.

B. Business Automobile Coverage insurance. Business auto coverage written on ISO form CA 00 01 (or a substitute form providing equivalent liability coverage) with a combined single limit of not less \$1,000,000 for each accident and coverage must include liability arising out of any auto (including owned, hired and non-owned autos).

C. Workers' Compensation and Employers' Liability insurance. Coverage must include but not be limited to:

Applicant's statutory liability under the workers' compensation laws of the State of Louisiana.

Employers' Liability (Part B) with limits of at least \$500,000 each accident, \$500,000 disease policy limit \$500,000 each employee.

Coverage must include liability arising out of the U. S. Longshoremen's and Harbor Workers' Act, the Jones Act, and the Outer Continental Shelf Land Act, if applicable.

If Applicant is self-insured, evidence of such state approval is required.

D. Umbrella or Excess insurance. If Applicant utilizes umbrella or excess policies, these policies must "follow form" and afford no less coverage than the primary policy. In addition, Excess Umbrella Insurance may be used to meet the minimum requirements for General Liability and Automobile Liability only.

E. Builder's Risk. Builder's Risk Insurance shall be in an amount equal to the greater of the fully-completed project value or the amount of the construction contract including any amendments and shall be upon the entire Work included in the contract. The policy shall provide coverage equivalent to the ISO form number CP 10 20, Broad Form Causes of Loss (extended, if necessary, to include the perils of wind, earthquake, collapse, vandalism/malicious mischief, and theft, including theft of materials whether or not attached to any structure). The policy must include architects' and engineers' fees necessary to provide plans, specifications and supervision of Work for the repair and/or replacement of property damage caused by a covered peril, not to exceed 10% of the cost of the repair and/or replacement.

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An Applicant may provide an installation floater in lieu of a Builder's Risk policy, with the similar coverage as the Builder's Risk policy, upon the system to be installed in an amount equal to the greater of the fully-completed project value or the amount of the contract including any amendments. Flood coverage is not required.

The policy must include coverage for the Owner, Applicant and any subcontractors as their interests may appear and will provide coverage until the DOTD accepts the construction of the device.

If Applicant advises that Builder's Risk insurance, or an installation floater, is not available, Applicant must provide the DOTD with documentation substantiating this assertion. In such cases, Developer and Applicant shall be responsible for making any repairs, corrections, or restorations of any kind, at no cost to the Department, to the installed equipment, device, or controller before the work will be accepted by the Department.

F. Pollution Liability Insurance. Pollution Liability coverage must be provided if the scope of the work as defined in the Agreement includes installation, temporary storage, or disposal of any "hazardous" material that is injurious in or upon land, the atmosphere, or any watercourses; or may cause bodily injury at any time.

If required, pollution liability coverage must be written on ISO form Pollution Liability Coverage Form Designated Sites CG 00 39 (or a substitute form providing equivalent liability coverage), with limits of at least \$1,000,000 per claim and an aggregate limit of \$2,000,000.00. The policy shall not be cancelled for any reason, except non-payment of premium.

If required, Applicant warrants that any retroactive date applicable to the coverage under the policy is the same as or precedes the effective date of this Permit; and that continuous coverage will be maintained or an extended discovery period will be exercised for a period of 5 years beginning from the time the work under this Permit is completed or if coverage is cancelled for any reason the extended discovery period will be exercised for the maximum time allowed by the policy.

G. Deductibles and Self-Insured Retentions Any deductibles or self-insured retentions must be declared to and accepted by the DOTD. The Applicant shall be responsible for all deductibles and self-insured retentions.

H. Each policy must be issued by financially reputable insurers licensed to do business in Louisiana during the term of the Permit. A certificate of

Appendix A to Permit No. _____

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insurance will be provided to DOTD by Applicant, reasonably satisfactory in form and content, evidencing that all required coverage is in force and has been endorsed to provide that no policy will be canceled or materially altered without first giving the DOTD thirty (30) day's prior written notice. All policies will be primary to any insurance or self-insurance the DOTD may maintain. Applicant will include copies of relevant endorsements or policy provisions with the required certificate of insurance. Nothing contained in this Section limits Developer's or Applicant's liability to the DOTD to the limits of insurance certified or carried by Applicant. As Applicant may be utilizing independent contractors to construct, reconstruct, or maintain its facilities, Applicant will provide in the contract between it and the contractor that contractor meet the insurance requirements as set forth in this Permit.

INDEMNITY

In consideration of the Permit and permission herein granted, Developer and Applicant, jointly and in solido, assume and agree to indemnify, save, and hold harmless the State of Louisiana and the DOTD, its officers, employees, servants, agents, and representatives from any claims or demands, whether arising in or based upon tort, contract, strict liability, or otherwise, including legal fees and court costs, made by any and all persons for accidents, damages, injuries, or losses of any kind arising from or related to the exercise by Developer of this Permit, or from the breach of any of the terms or conditions of this Permit by Developer or Applicant, and from any payments which DOTD and other state agencies, or any of them, may make to its or their employees and/or their beneficiaries, or any of them, under the provisions of any compensation law or other similar law or under the provisions of any plan for employees' benefits adopted by State of Louisiana, in settlement for accidents or injuries arising from or growing out of Developer's exercise of this permit, the failure of Developer to construct and maintain its facilities as herein provided, or from Applicant's operations or failure to comply with the permit. Developer shall indemnify, save and hold harmless the aforementioned entities as provided in this section unless such loss arises out of the SOLE negligence of the DOTD.

Developer and Applicant recognize the danger incident to the operation of its facility over the public roadway and right-of-way, and agrees to adopt and enforce upon their employees engaged in constructing, reconstructing or maintaining the facility proper rules and regulations for their safety while on or near such right-of-way and roadway, and Developer and Applicant assume all liability for injuries to all persons engaged in such work and agree to indemnify, save and hold harmless the State of Louisiana and DOTD, its officers, employees, servants, agents, and representatives from any liability for such injuries except when the

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same is caused by the sole negligence of DOTD, or its employees or agents/representatives.

Developer and Applicant agrees to reimburse and pay DOTD and the State of Louisiana any judgments, costs, and expenses or amounts paid out in settlement, which they or any of them may be put to or may be compelled to pay on account of any claims arising under Developer's and Applicant's duties of indemnification, saving, and holding harmless.

It shall be the exclusive duty and responsibility of Applicant to inspect the property subject to this agreement to make sure that it is safe for the entry of its employees, agents and contractors. Applicant shall advise all of its employees, agents and contractors entering the DOTD's property of any safety hazards on the property, including, without limitation, the presence of moving vehicles, buried cables, tripping hazards and overhead wires. Applicant shall instruct all of its employees, agents and contractors entering the property that all persons, equipment and supplies must maintain a distance of at least fifty (50) feet from any roadway travel lane, except as provided elsewhere herein. Applicant shall ensure that no personnel, equipment or supplies under its control are safely outside any danger associated with the property subject to this agreement.

Applicant shall have no right to permit others to access DOTD property except as allowed herein.

TEMPORARY TRAFFIC CONTROL AND MANAGEMENT

Developer and Applicant are responsible for furnishing, installing, maintaining, and removing temporary construction barricades, precast concrete barriers, lights, signals, pavement markings and signs; providing flaggers; and complying with all other appropriate requirements regarding the protection of the work, workers, and safety of the public. This work also includes traffic control management in compliance with the following provisions and the Manual on Uniform Traffic Control Devices (MUTCD), including the installation, inspection, maintenance, and removal of all temporary traffic control devices for the Developer's project. Signs, barricades, barriers, channelizing devices, pavement markings, etc., shall comply with these provisions, or MUTCD if these provisions do not address a situation or provide adequate protection.

Signs, barricades, barriers, channelizing devices, pavement markings and arrangements thereof, as shown on DOTD standard traffic control plans, are minimum requirements. Applicant is responsible for acquiring and implementing those traffic control standard plans before beginning any work on DOTD right of way. Appropriate signs for special conditions shall be furnished

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and installed as directed by a DOTD traffic engineer at no cost to DOTD. Requirements for proper signs, barricades, barriers, channelizing devices, or other safety precautions promulgated by the contractor's insurers are not negated by these specifications. These specifications shall not be construed to relieve the contractor of responsibilities for the safety of the public, for liability in connection therewith, or compliance with State and local laws or ordinances.

The Applicant shall assign one or more authorized Traffic Control Supervisors (TCS) to provide traffic control management for the project. If more than one TCS is assigned, then a weekly schedule identifying who will be in charge of providing traffic control management on a daily basis shall be submitted to the local DOTD District Permit Specialist, or DOTD District Area Engineer. The TCS shall have a set of all permit requirements relating to traffic control or traffic staging and a current copy of the MUTCD and a current copy of Louisiana Work Zone Traffic Control Details readily available at all times.

If the Applicant utilizes a subcontractor to provide traffic control management, the subcontractor's TCS shall meet all the requirements set forth herein.

The Applicant may assign one or more Traffic Control Technicians (TCT) to assist the TCS in inspection and maintenance of Traffic Control Devices.

Note: In these Temporary Traffic Control and Management provisions, where reference is made to sections or subsections, these refer to the respective sections and subsections of the latest edition of the Louisiana Standard Specifications for Roads and Bridges. Be aware that sections/subsections numbers may change between editions.

Materials. Materials for temporary signs, barricades, barriers and related devices shall comply with the following Sections and Subsections:

Title:	Section:
Portland Cement Concrete	901
Reinforcing Steel	1009
Backing Material	1015.04(b)
Reflective Sheeting	1015.05
Temporary Pavement Markings	1015.08
Raised Pavement Markers & Adhesive	1015.09
Thermoplastic Pavement Markings	1015.10
Traffic Paint	1015.12
Barricade Warning Lights	1018.12

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(a) **Temporary Pavement Markings:** Temporary pavement markings shall be a minimum of 4 inches (100 mm) wide.

(b) **Reflective Sheeting:** Reflective sheeting requirements for temporary signs, barricades, channelizing devices, drums and cones shall comply with the following:

(1) **Temporary Signs and Barricades:** On the mainline of freeways and expressways, the initial advanced warning construction sign shall be fabricated using ASTM D 4956 Type X (Fluorescent Orange) reflective sheeting. Reflective sheeting for all other temporary signs and barricades shall comply with the requirements of ASTM D 4956, Type III.

(2) **Vertical Panels:** Reflective sheeting for vertical panels used to channelize or divide traffic shall meet the requirements of ASTM D 4956, Type III.

(3) **Drums:** Reflective sheeting for drums shall be a minimum of 6 inches (150 mm) wide and shall meet the requirements of ASTM D 4956, Type III, and the Supplementary Requirement S2 for Reboundable Sheeting as specified in Subsection 1015.05.

(4) **Cone Collars:** Reflective sheeting for traffic cone collars shall meet the requirements of ASTM D 4956, Type VI.

Fabrication. Fabrication of temporary signs, barricades and related devices shall conform to Subsection 729.04. Fabrication of precast concrete barriers shall conform to Section 805.

Temporary Signs And Barricades

General: Temporary signs, barricades and related devices will be required when the Applicant's work is in progress or when its operations are suspended prior to acceptance by the DOTD. During such times that temporary signs, barricades and related devices are not in place, appropriate existing regulatory signs shall be maintained by the Applicant.

Construction work shall not begin until signs, barricades and other traffic control devices have been erected and approved by the local DOTD District Permit Specialist, or DOTD District Area Engineer.

When temporary signs to be furnished and erected by the Applicant are in place and approved, the Applicant's Traffic Control Supervisor (TCS) shall cover any standard signs that are in conflict with temporary signs.

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When placing signs, the Applicant shall coordinate with the local DOTD Traffic Engineer in removing Departmental signs, so that appropriate signs are in place at all times.

Signing shall remain in place and be maintained by the Applicant, supplemented by additional signs as required, throughout the period of work. When previously used signs are to be erected on a project, the local DOTD Traffic Engineer will inspect and approve these signs before erection. The DOTD engineer will require any sign with reduced reflectivity or excessive color fading to be removed from the work zone. In case of a dispute over a rejected used sign, the Department at its discretion, may take such measurements or review reflectivity and color data obtained by the Applicant to determine if the sign meets minimum standards for new materials. Signs that do not meet the minimum standards for new materials shall be replaced by the Applicant at no cost to the Department.

Rejected signs will be marked "NOT FOR USE ON STATE PROJECTS" on the back of the sign.

Signs placed by the Applicant shall be removed according to the Traffic Control Plan.

On projects where the surface course is constructed with asphaltic concrete or portland cement concrete, permanent striping and raised pavement markers (when required) shall be completed prior to removal of barricades.

Signs, barricades and related devices furnished and placed by the Applicant shall, upon removal, remain the Applicant's property.

Advance Warning Area: When required, advance warning arrow panels for temporary traffic control shall be provided at locations shown on the standard plans or as directed by the Department. Panels shall be one of the specified types complying with the Department's MUTCD. If no type is specified, Type C panels shall be furnished.

Construction Zone: In areas of the construction zone all traffic control devices used shall be in accordance with Temporary Traffic Control Standard Detail TC-00.

Temporary Precast Concrete Barriers

Barrier units will be furnished by the Applicant as needed or required at no cost to the Department. The Applicant shall relocate barrier units as required during construction.

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Connecting pins and plastic reflectors shall be furnished by the Applicant at no cost to the Department. Reflectors shall have 7.0 square inches (4,500 sq mm) minimum reflective area, and be installed a maximum of 15 feet (4.6 m) apart (each side) in accordance with the manufacturer's recommendations. Damaged pins or reflectors shall be replaced as directed by the engineer.

After completion of the work, barrier units shall be removed by the Applicant.

Pavement Markings

Color, width, and type of temporary pavement markings shall be in accordance with Table 713-1 and the MUTCD. Temporary pavement markings shall be in place at the end of each day's operation.

Temporary striping tape shall be applied by approved methods to the satisfaction of the engineer. Thermoplastic Pavement Markings shall be applied in accordance with Subsection 732.03. Painted Traffic Striping shall be applied in accordance with Section 737.

Table 713-1 Temporary Pavement Markings^{1,2}

(Table on next page)

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		Two-lane Highways	Undivided Multilane Highways	Divided Multilane Highways
S H O R T T E R M	ADT<1500; or ADT>1500 and time<3 days	Lane lines 4-foot (1.2 m) tape on 40-foot (12 m) centers; with "Do Not Pass" and "Pass With Care" signs as required		
	ADT>1500; Time>3 days and<2 weeks	Lane lines 4-foot (1.2 m) tape on 40-foot (12 m) centers with no passing zone markings		
	All ADT's with time <2 weeks		Lane lines 4-foot (1.2 m) tape on 40-foot (12 m) centers; double yellow centerline	Lane lines 4-foot (1.2 m) tape on 40-foot (12 m) centers
	All ADT's with time >2 weeks	Standard lane lines, no-passing zone markings, legends and symbols and when pavement width is 22 feet (6.7 m) or greater, edge lines	Standard lane lines, centerlines, edge lines, and legends and symbols	Standard lane lines, centerlines, edge lines, and legends and symbols.

¹No-passing zones shall be delineated as indicated whenever a project is open to traffic.

²On all Asphaltic Surface Treatments that are open to traffic and used as a final wearing course or as an interlayer, temporary pavement markings (tabs) on 20-foot (6 m) centers shall be used, in lieu of the 4-foot (1.2 m) tape, on 40-foot (12 m) centers.

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Short-term Pavement Markings: Short-term pavement markings will be required on any pavement surface under traffic when exercise of this permit temporarily changes the flow of traffic.

Centerlines on two-lane highways and lane lines on multilane highways shall be temporary striping tape a minimum of 4 feet (1.2 m) long on a maximum of 40-foot (12 m) centers. When short-term pavement markings require no-passing zone markings or double yellow centerlines on undivided multilane highways, they shall be any of the temporary pavement markings listed in Subsection 713.02.

Removal of short-term pavement markings will only be required on the final surface.

Long-term Pavement Markings: Long-term pavement markings will be required on any surface which is not covered by any additional roadway surface material in 2 weeks or less, if required for Applicant's work. Long-term pavement markings shall include, but are not limited to, standard lane and centerline markings (i.e., 10-foot (3 m) stripes on a maximum of 40-foot (12 m) centers), edgelines, no passing zone markings on 2-lane highways, stop bars, and legend and symbol markings as shown on the permanent pavement marking details. Layout work for exact location of markings will only be required on the final surface.

These markings shall consist of any of the pavement markings listed in Subsection 713.02. Long-term markings do not include the installation of raised pavement markings.

Final Surface: If appropriate, on the final surface (portland cement concrete pavement or asphaltic concrete pavement), temporary markings shall be placed with sufficient accuracy to avoid conflict with permanent striping where possible. Temporary pavement markings on the final surface shall be any of the pavement markings listed in Subsection 713.02.

Placing permanent markings over traffic paint will be acceptable on final surfaces provided the temporary markings have been placed in the final configuration (proper final layout) and the painted lines are not flaking or showing signs of deterioration.

The removal of temporary pavement markings, if required, shall be in accordance with the requirements for the type of permanent marking being used. There shall be no objectionable staining of pavement surface as a result of the removal procedure.

Temporary Reflectorized Raised Pavement Markings: When required, temporary reflectorized raised pavement markings shall be installed in accordance with Section 731.

Pavement Markings for Asphaltic Surface Treatment: The type of markings shall be in accordance with Table 713-1. Short-term temporary pavement markings shall be in place at the end of each day's operation. Long-term temporary pavement markings

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shall be in place as soon as practical after expiration of the 4-day maintenance period following any asphaltic surface treatment operation. On the final wearing course, permanent markings shall be placed two weeks following completion of the long-term temporary pavement markings.

When used on the final wearing course, painted traffic striping shall be in accordance with Section 737.

Centerlines on two-lane highways and lane lines on multilane highways shall be temporary raised markers in accordance with Subsection 1015.08(c). "No-passing zone" markings shall be any of the temporary pavement markings listed in Subsection 713.02.

The temporary raised pavement markers shall be installed in accordance with the manufacturers' recommendations or as directed by the DOTD engineer. The temporary raised markers shall be flexible reflective tabs placed at 20-foot (6 m) intervals on the centerline of the roadway. The markers shall be installed so that the reflective faces of the markers are perpendicular to a line parallel to the roadway centerline.

If directed by the DOTD engineer, the temporary raised pavement markers shall be removed after permanent striping has been accomplished. Damage to the pavement surface shall be repaired at no direct pay.

Portable Work Zone Traffic Control Devices.

All Category I, II, and III portable work zone traffic control devices, as described below, shall be crashworthy as determined by evaluations through the National Cooperative Highway Research Program (NCHRP) 350 for Test Level 3 (TL-3).

Category I Devices: Category I devices are low-mass, single-piece traffic cones, tubular markers, single-piece drums and flexible delineators and are, by definition, considered crashworthy devices meeting NCHRP Report 350 TL-3 criteria. Drum and light combinations with Type A or C warning lights and fastener hardware consisting of vandal resistant 1/2 inch (13 mm) diameter cadmium plated steel bolts and nuts used with 1 1/2 inch (38 mm) diameter by 3/4 inch (19 mm) cup washers are included as Category I devices. In lieu of testing for crashworthiness, acceptance of Category I devices for compliance with NCHRP 350 will be allowed based on self-certification by the supplier. The supplier shall certify that the product is crashworthy in accordance with the evaluation criteria of NCHRP 350. This certification may be a one-page affidavit signed by the supplier, with supporting documentation kept on file to be furnished if requested.

Category II Devices: Category II devices include other low mass traffic control devices such as portable barricades either with or without lights and or signs, portable sign stands, portable vertical panel assemblies, and drums with lights not meeting the

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drum and light combination requirements for Category I. Individual crash testing is required for Category II devices. FHWA letters of approval shall serve as verification that these devices comply with the crash testing requirements of NCHRP Report 350 TL-3. The Applicant shall provide the engineer a listing of all the Category II devices to be used on the project prior to installation including a reference to the FHWA Work Zone letter number for each device. The Applicant shall also certify that each device has been crash tested and meets the NCHRP 350 requirements.

Category III Devices: Category III devices include massive devices such as concrete barriers, water filled barriers and portable attenuators. Individual crash testing is required for Category III devices. FHWA letters of approval shall serve as verification that these devices comply with the crash testing requirements of NCHRP Report 350 TL-3. The Applicant shall provide the engineer a listing of all the Category III devices to be used on the project prior to installation including a reference to the FHWA Work Zone letter number for each device. The Applicant shall also certify that each device has been crash tested and meets the NCHRP 350 requirements.

Traffic Control Management

(a) Authorizations: Prior to commencing work requiring traffic control management, the Applicant shall submit to the local DOTD District Permit Specialist, or DOTD District Area Engineer, proof of the Traffic Control Supervisor's (TCS) and Traffic Control Technician's (TCT) current authorizations. All Traffic Control Management shall be at Applicant's expense.

(1) The Department will accept the TCS authorization of other approved agencies or firms only if all of the following minimum TCS requirements are met:

(i) Successful completion of a work zone traffic control supervisor course approved by the Department.

(ii) Passing a written examination on the work zone traffic control supervisor course.

(iii) A minimum of one year full-time field experience, verified by the agency or firm, in work zone traffic control. This experience may be verified by the Department at its discretion.

(iv) A TCS refresher course is required every 4 years.

(2) The Department will accept the TCT authorization of other approved agencies or firms only if all of the following minimum requirements are met:

(i) Successful completion of a work zone traffic control technician course approved by the Department.

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(ii) Passing a written examination on the work zone traffic control technician course.

(iii) A TCT refresher course is required every 4 years.

(b) Traffic Control Supervisor (TCS) Duties: The TCS's responsibility shall be traffic control management, and the TCS shall be available to the DOTD District Administrator, or designee, to address traffic control management issues as needed. The following is a listing of the TCS's primary duties:

(1) The TCS shall personally provide traffic control management and supervision services at the project site. The TCS may have other assigned duties, but shall be readily available at all times to perform TCS duties as required in the contract. A minimum of one TCT or TCS shall be required on site during working hours.

(2) The TCS shall be responsible for observing and evaluating both the day and night time performance of all traffic control devices installed on the project, in accordance with the Traffic Control Plan (TCP), to ensure that the devices are performing effectively as planned for both safety and traffic operations. This shall be done upon the initial installation of the devices and when any modifications and/or changes are made, in addition to the inspection of traffic control required in Heading (e).

(3) The TCS shall be responsible for revisions requested by the Department to the traffic control plan and shall submit the new traffic control plan in accordance with Heading (c).

(4) The TCS shall be responsible for the training of flagging personnel. This training will ensure that all flagging done on the project is in compliance with the MUTCD Part VI and Louisiana Work Zone Traffic Control Details.

(5) The TCS shall coordinate all traffic control operations for the duration of the work under the permit, including those of subcontractors, utility companies, and suppliers, to ensure that all traffic control is in place and fully operational prior to the commencement of any work. The Department recognizes that the Developer/Applicant does not have direct control over the traffic control operations of the utility companies. The coordination provided by the TCS when dealing with utility companies is specifically for the purpose of coordinating concurrent utility traffic control with any other construction traffic control to avoid conflicts.

(6) The TCS shall coordinate, in writing, all project activities with the appropriate law enforcement, fire control agencies, and other appropriate public agencies as determined by the local DOTD District Permit Specialist, or DOTD District Area Engineer. The TCS shall also invite the above agencies to any pre-construction conference.

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(7) The Department in collaboration with the TCS, shall prepare and submit statements concerning road closures, delays, and other project activities to the news media on a weekly basis or more often as needed. News releases shall be submitted to the appropriate DOTD District Administrator, or designee, for review and approval prior to the District's submittal to the news media.

(8) The TCS shall be responsible for immediately notifying the local DOTD District Permit Specialist, or DOTD District Area Engineer, of all vehicular accidents and/or incidents related to the project traffic control. The time and date of notification shall be documented in the traffic control diary. The TCS shall also monitor and document queues that occur as necessary.

(9) The TCS assigned to the project shall attend all project meetings.

(10) The TCS shall be responsible for the maintenance, cleanliness, replacement, and removal of traffic control devices of the existing traffic control plan during working and non-working hours.

(c) Traffic Control Plan Revisions: Requests for revision(s) in the standard traffic control plan(s) must be made in writing to the local DOTD District Traffic Engineer a minimum of 14 calendar days in advance of the needed revision. If the requested revision falls within the scope of the existing permit drawings, the District Traffic Engineer, or designee, may approve the revision. If the DOTD District Traffic Engineer, or designee, determines that the requested revision is outside the scope of the permit drawings, the Applicant will be required to submit a permit change request. The change request drawings shall conform to the following:

(1) Letter size original permit drawings --The change request drawings shall be submitted on high quality white 8 1/2 x 11 inch letter size paper. The drawings may be hand drafted or computer drafted and arranged in landscape format on the page. The text and drawings must be legible after reproduction on standard reproduction equipment. Left, bottom and right hand margins shall be at least 1/2 inch and the top margin shall be 1 inch.

(2) Full size original permit drawings -- The change request drawings shall be submitted on high quality, 4-mil, double-matte film using a plotting or reproduction process that fuses the graphics to ensure durability. Repeated handling and friction due to stacking of plans shall not smear, flake or rub off the graphics. Improper plotter settings and plotter wear may cause inconsistent durability of the drawings. The Developer shall test samples of the submitted drawings for durability. Advance samples of matte films may be submitted for approval; however, the permit plans will be tested separately. Failures will result in rejection of the submittal. Drawing sizes shall be in accordance with Subsection 801.03(a).

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Lettering on change request drawings shall be of adequate size to facilitate a 50 percent reduction of plans. Additions or changes shall be made with a permanent type of waterproof ink made for this purpose. If revised cross sections are required, the cross-sections shall be plotted on standard plate cross-section sheets. The ground line, centerline elevation, and station numbers, as a minimum, shall be drawn in ink; the remaining information may be in pencil.

Regardless of size, all change request drawings and documents required shall be identified with the Permit project title and any project number. All plans and calculations shall be signed and sealed by a professional civil engineer currently registered to practice in Louisiana.

All plans submitted by the Applicant shall conform to these specifications and standards. The DOTD District Traffic Engineer, or designee, may reject any plans not conforming to these standards.

Revisions to the TCP that are determined to be outside the scope of the original permit drawings must be approved by the DOTD District Traffic Engineer prior to implementation of the requested revision. In some cases on high traffic routes or high priority projects, the revisions must be approved by the HQ Traffic Operations Engineer.

(d) Traffic Control Diary: The TCS shall maintain a project traffic control diary using the forms found in Appendix B. The TCS shall keep the traffic control diary current on a daily basis, and shall sign each daily entry. Approval of the daily diaries in accordance with the plans and specifications is subject to La. R.S. 14:133 "Filing or Maintaining False Public Records." Photographs and videotapes may be used to supplement the written text.

The traffic control diary shall be available at all times for inspection by the local DOTD District Permit Specialist, or DOTD District Area Engineer; and the diary shall be reviewed with the local DOTD District Permit Specialist, or DOTD District Area Engineer, on a weekly basis and a copy submitted on a monthly basis. Failure to complete the diary on a daily basis or make the diary available for review shall result in a charge of \$150.00 per calendar day, as a penalty for failing to abide by this permit condition for each day the diary is not maintained or is not available for review.

Submitted diaries that indicate that contemporary daily record keeping has not been maintained, as determined by the Department, shall result in a charge of \$150.00 for each such deficiency as a penalty. Developer and Applicant agree to be liable, in solido, unto the DOTD for the failure of the Applicant to comply with this requirement. The lack of a weekly review by the local DOTD District Permit Specialist, or DOTD District Area Engineer shall not relieve the Developer or Applicant from the assessment of stipulated damages for any failure to maintain a daily traffic control diary. The traffic control diary shall become the property of the Department at the completion of the project.

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(e) Inspection of Traffic Control: The TCS shall be responsible for the inspection of all traffic control devices every calendar day that traffic control devices are in use. This inspection may be delegated to the TCT. The "Quality Guidelines for Work Zone Traffic Control Devices" standard by the American Traffic Safety Services Association (ATSSA) shall be used to evaluate the condition of the traffic control devices to determine if acceptable for use. The TCS shall provide for the immediate repair, cleaning, or replacement of any traffic control devices not functioning as required to ensure the safety of the motorist and construction personnel and/or not meeting the ATSSA standard.

Inspection of the traffic control devices shall be conducted by the TCS at the beginning and end of each workday, and as scheduled or directed by the local DOTD District Permit Specialist, or DOTD District Area Engineer, during the workday. The traffic control devices shall be inspected by the TCS on weekends, holidays, or other non-work days at least once per day. Traffic control devices shall be inspected by the TCS at least once a week during nighttime periods and the same night after any modifications or changes have been made in the traffic control devices.

(f) Failure to Comply: The Department may suspend all or part of the Applicant's operation(s) for failure to comply with an approved "Traffic Control Plan," the standard DOTD traffic control plans, or failure to correct unsafe traffic conditions within a reasonable period of time after such notification is given to the Applicant. If there are major traffic control deficiencies that require immediate corrective action for the safety of the travelling public, the Department may completely suspend the Applicant's operations. This suspension can either be verbal or written, but shall be followed up in writing as soon as practical. The Department reserves the right to revoke or de-certify the TCS for gross neglect of his or her duties. The TCS at this point shall retake a Department approved TCS course and will be subject to a 90 day probationary period at the discretion of the Department.

In the event that the Applicant does not take appropriate action to bring the deficient traffic control into compliance with the approved traffic control plan or to correct the unsafe traffic conditions, the Department may proceed with the corrective action using its own forces, and such costs will be charged against the Applicant and Applicant agrees to be liable unto the Department for said charges.

If the Applicant's operations are suspended by the Department, the Applicant shall be liable unto DOTD in the amount of \$10,000.00 as a daily charge for its failure to comply with the suspension. The Applicant shall not be relieved of the responsibility to provide traffic control safety to the traveling public when a project is under full or partial project suspension. When a project is under suspension due to the Applicant's failure to comply with this section the Applicant shall continue to provide traffic control management. If suspensions or partial suspensions are requested by the Applicant, the

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additional traffic control management costs will continue to be at the Applicant's expense.

(g) DOTD Modifications: The provisions included in the project's plans and specifications for handling and controlling traffic during construction may be changed by the local DOTD District Permit Specialist, or DOTD District Area Engineer, with the approval of the DOTD District Traffic Operations Engineer, due to actual field conditions encountered. Such changes will be made by written instruction to the Applicant and shall be considered an amendment to the plans and specifications as of the date of change.

(h). Developer and Applicant hereby agree to pay DOTD all assessed charges and/or penalties within thirty days of notice of same. In the event payment is not made within thirty days, Developer and/or Applicant, as applicable shall be liable unto DOTD for interest thereon at the legal rate from date of demand until paid. In the event charges are turned over to a collection agent, or litigation is instituted to collect any assessed charges, Developer and Applicant, agrees to be liable for all reasonable attorneys' fees and costs incurred by the Department or other state agencies in said litigation or collection efforts.

PERFORMANCE BOND

With the permit application, Applicant shall furnish a Performance Bond on the form provided below in a sum equal to \$ 180,000.00 for the faithful performance of the requirements and conditions of the permit. The bond shall be written by a surety or insurance company that is in good standing and currently licensed to write surety bonds in the State of Louisiana by the Louisiana Department of Insurance and shall conform to the requirements of LSA-R.S. 48:255. The bond shall inure solely to the benefit of the Department and its successors or assigns, and no other person shall have any right of action based thereon.

****REMAINDER OF PAGE IS BLANK****

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LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

PERFORMANCE BOND

Be it known that _____ (Applicant) as Principal, and

_____, and _____, as Surety(ies), authorized to do business in Louisiana, hereby bind themselves, in solido, to The Louisiana Department of Transportation and Development, and other potential claimants, for all obligations incurred by the Principal under its permit for the construction of **PROJECT**

_____, in the full amount **DOLLARS**

(\$_____). The obligations of the Principal and Surety under this performance bond shall continue in full force and effect until all requirements contained in the permit, its plans and specifications, have been completed in a timely, thorough, and workmanlike manner. The parties acknowledge that these bonds are given under the provisions and limitations contained in La. R.S. 48:250 *et seq.*

By this instrument(s), the Principal and Surety(ies) specifically bind themselves, their heirs, successors, and assigns, in solido, under the following bonds:

PERFORMANCE BOND. To the Louisiana Department of Transportation and Development in the full permit/project amount of _____ **DOLLARS**

(\$_____), in order to secure the full and faithful performance and timely completion of the permit and project according to the permit's conditions, plans and specifications, inclusive of monetary charges, penalty damages, and/or stipulated damages as assessed.

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LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
PERFORMANCE BOND

In witness whereof we have signed this instrument as dated:

WITNESSES: By _____
Signature of Principal

Signature: _____
Printed: _____
Typed or Printed Name and Title

Signature: _____
Printed: _____
Date: _____

Surety 1

By _____
Signature of Attorney-in-Fact (Seal)

Signature: _____
Printed: _____
Typed or Printed Name

Signature: _____
Printed: _____
Date: _____

Surety 2 (if needed)

By _____
Signature of Attorney-in-Fact (Seal)

Signature: _____
Printed: _____
Typed or Printed Name

Signature: _____
Printed: _____
Date: _____

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A copy of the permit and subsequent correspondence/communication from LA DOTD with respect to the permit bond should be directed to:

(FOR SURETY 1)

(FOR SURETY 2)

Bonding Agency or Company Name

Bonding Agency or Company Name

Local Agent or Representative

Local Agent or Representative

Address

Address

Phone Number

Phone Number

Fax Number

Fax Number

APPENDIX B
to
STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
INTERSECTION CONTROL DEVICE PERMIT

Permit Applicant:_____

Permit No:_____

Contractor:_____

Contractor's Superintendent:_____

Project Traffic Control Supervisor:_____

Project Location:_____ Parish:_____

Permanent File Book No.:_____

If found return to:

Construction Signing Mounted on Posts

[illegible]

Work Zone Incident/Accident Report _____

- Month _____ Day ____ (S M T W TH F S) Year _____ Time _____
Route No. (Name) _____ #of Vehicles Involved _____
- Vehicle Driver and Passenger Names: _____

- Names of Eye Witnesses: _____

- Investigating Officer's Name _____
- Severity: Property Damage Only _____, Nonfatal injury(#) _____, Fatal (#) _____
- Location: Intersection _____, Milepost# _____, Termination Area _____
Approach to work zone. _____
- Areas of
Work Zone: Advance warning area _____, Transition Area _____, Buffer
Space _____, work area _____, Termination Area _____
- Weather: Cloudy _____, Clear _____, Rain _____, Snow _____, Fog _____, Hot _____, Cold _____
- Surface: Dry _____, Wet _____, Snow _____, Ice _____
- Lighting: Daylight _____, Darkness _____, Dawn _____, Dusk _____, Artificial Lighting _____
- Photographs taken? Yes _____ (positions of vehicles, traffic control devices, etc.) No _____
- Video taken? Yes _____ No _____ Attached Police Report Yes _____ No _____
- Incident/Accident Narrative using facts & statements (time, description of scene, vehicle damage, physical evidence, passenger information, distance measurements, etc.):

- Traffic Control Action Taken: _____ Date _____, Time _____

Signed by NAME & TITLE: _____

Additional Information for Accident/Incident Report

[illegible]

Sketches, Photos and/or Diagrams of Accident/Incident

Daily Report

Page 1

Date:_____

TCS/Acting TCS _____

Day: **S** **M** **T** **W** **T** **F** **S**

Assistants: _____

Temp: _____High _____Low

(TCT or TCS)._____

Sky: **Sunny** **Pt.Cloudy** **Cloudy** **Rain** **Snow**

Wind: **Calm** **Light** **Strong**

TCS Arrival Time:_____

Wind Direction: _____

TCS Departure Time:_____

Today's Operations: _____

Operational Queue Time:

1. _____

6. _____

11. _____

2. _____

7. _____

12. _____

3. _____

8. _____

13. _____

4. _____

9. _____

14. _____

5. _____

10. _____

15. _____

Traffic Control Plan Used:

Station to Station

Sheet No.,_____Location _____

Sheet No. _____Location _____

Sheet No. _____Location _____

	Number Used	All Correct	Missing/damaged
Pilot	_____	_____	_____
Vehicle	_____	_____	_____
Flaggers	_____	_____	_____
Construction Signing	_____	_____	_____
Barricades	_____	_____	_____
Drums	_____	_____	_____
Vertical Panels	_____	_____	_____
Tubular Traffic Markers	_____	_____	_____
Arrow Board	_____	_____	_____
Message Board	_____	_____	_____
Message	_____	_____	_____
Concrete Wall Barrier	_____	_____	_____
Other _____	_____	_____	_____

Location (Station #) of Missing or Damaged Devices:_____

Maintenance, Corrections or Replacement:_____

Date Last Cleaned: _____

Lights: Number _____ All Correct _____ Missing or Damaged _____

Daily Report

Page 2

Location (Station#) of Missing or Damaged:_____

Maintenance, Corrections or Replacement:_____

Removal of Permanent Stripe: Station to Station _____

Temporary Pavement Markings: Paint _____ Tape, _____

White _____ Yellow _____

From: Station to Station Station to Station

GeneralComments : _____

Inspection Times:

Morning _____

Midday _____

Afternoon/evening _____

Accidents: Yes / No For Details See Page # _____

Conf. memos: Received: Yes / No Requested: Yes / No For Details See Page # _____

Change Orders: Yes / No For Details See Page # _____

TCS Signature: _____

If inspected by other than TCS:

Designated Assistant TCS Signature: _____

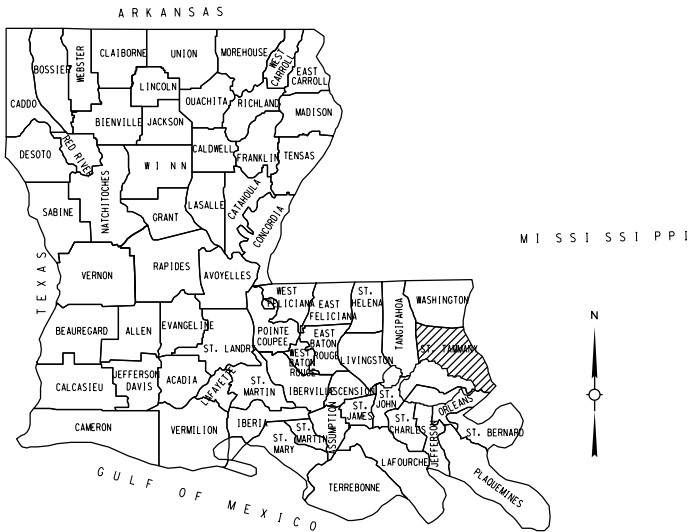
TCS Signature, reviewed _____

PM (or designated TC inspector) review signature _____

Date reviewed _____

Section 13

ST. TAMMANY PARISH
DEPT. OF ENGINEERING
PLANS OF PROPOSED
PROJECT: BEN THOMAS RD. SIGNAL
PARISH PROJECT NO. EN25000093



VICINITY MAP

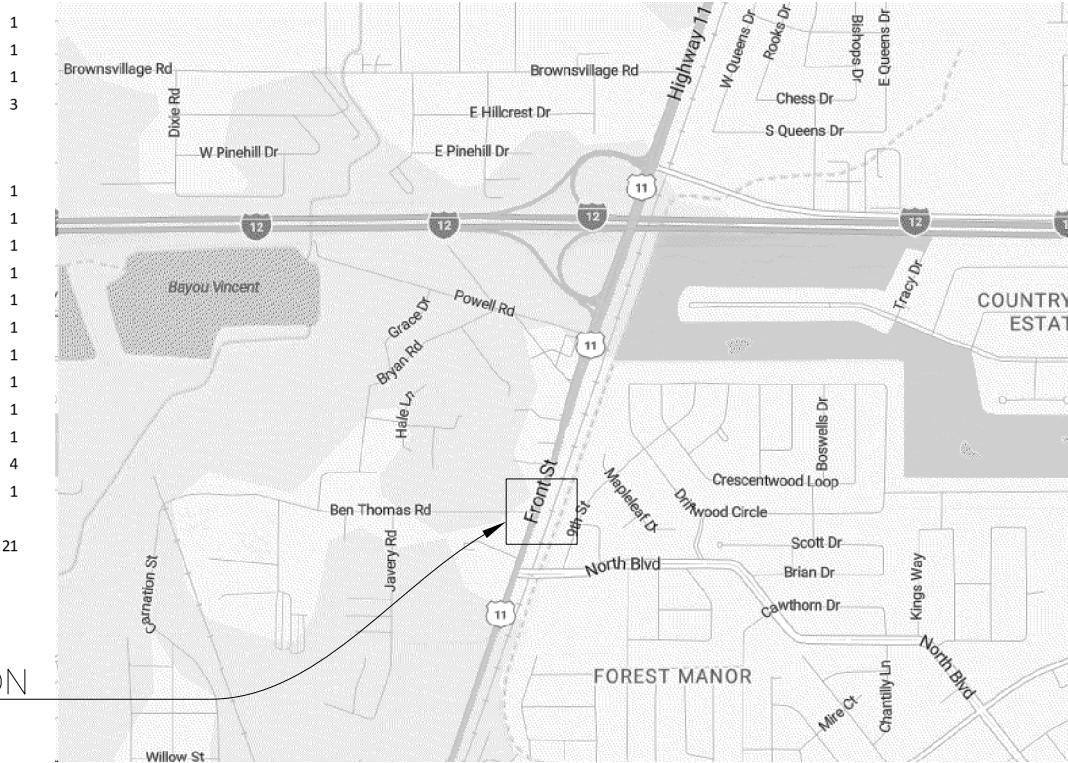
INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET AND LAYOUT MAP
2	GENERAL NOTES
3	SUMMARY OF ESTIMATED QUANTITIES
4-6	PLAN SHEETS

LA DOTD STANDARD PLANS	REV. DATE
201	TSD-00 10-01-25
202	TSD-01 10-01-25
203	TSD-02 10-01-25
204	TSD-03 10-01-25
205	TSD-07 10-01-25
206	TSD-08 10-01-25
207	TSD-09 10-01-25
208	TSD-10 10-01-25
209	TSD-12 10-01-25
210	TSD-13 10-01-25
211-214	TTC-00 (A-D) 03-11-26
215	TTC-19 03-11-26

Sheets Total with STD Plans

of Sheets



PROJECT LOCATION

ST. TAMMANY PARISH COUNCIL

RICK SMITH	1
LARRY ROLLING	2
MARTHA J. CAZAUBON	3
KATHY SEIDEN	4
PAT PHILLIPS	5
CHERYL TANNER	6
JOE IMPASTATO	7
PAT BURKE	8
DAVID COUGLE	9
MAUREEN "MO" O'BRIEN	10
ARTHUR LAUGHLIN	11
JERRY BINDER	12
JEFF CORBIN	13
JIMMY STRICKLAND	14

PARISH PRESIDENT

MICHAEL COOPER

TRAFFIC DATA

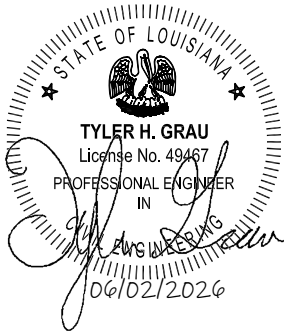
2025 A.D.T. = 16,700
POSTED SPEED = 45 MPH
DESIGN CLASSIFICATON = URBAN PRINCIPAL ARTERIAL

SCHEDULE OF REVISIONS

NO.	DATE	SHEETS REVISED

TYPE OF CONSTRUCTION:
CONSTRUCTION OF 3-SPAN STEEL POLE
SIGNAL AT THE INTERSECTION OF US 11 &
BEN THOMAS RD

NOTE:
THE 2026 LOUISIANA DOTD STANDARD
SPECIFICATIONS FOR ROADS AND BRIDGES AS
AMENDED BY THE PROJECT SPECIFICATIONS
SHALL GOVERN ON THIS PROJECT.



BEN THOMAS RD. SIGNAL
TITLE SHEET & LAYOUT

St. Tammany Parish
Department of Engineering
P.O. Box 628 Covington, La. 70434
Phone: (985) 898-2652
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Project No. EN25000093
Date 6/2/2026
Scale NTS
Drawn By EC

1.0 GENERAL NOTES

1.1 THE CONTRACTOR SHALL PROVIDE FOR AND MAINTAIN THROUGH AND LOCAL TRAFFIC AT ALL TIMES AND SHALL CONDUCT OPERATIONS IN SUCH A MANNER AS TO CAUSE THE LEAST POSSIBLE INTERFERENCE WITH TRAFFIC AND BUSINESS DURING CONSTRUCTION. ALL COSTS OF MAINTAINING TRAFFIC SHALL BE INCLUDED IN THE PRICE FOR ITEM 713-01-00100, TEMPORARY SIGNS AND BARRICADES.

1.2 THE LINES AND GRADES ON THE PLANS MAY BE VARIED SLIGHTLY BY THE PROJECT ENGINEER IN THE FIELD IF CONDITIONS JUSTIFY SUCH A VARIATION. THE CONTRACTOR SHALL NOT BE ENTITLED TO ANY EXTRA PAYMENT OTHER THAN WHATEVER INCREASE IN CONTRACT QUANTITIES IS INVOLVED.

1.3 THE GENERAL CONTRACTOR SHALL NOTIFY ALL RESIDENTS IN WRITING OF THE SCHEDULED CONSTRUCTION ACTIVITIES AND PRIOR TO ANY DISRUPTION IN SERVICE. THE NOTICES MUST HAVE THE GENERAL CONTRACTOR'S PHONE NUMBER AND THE NAME OF A CONTACT PERSON, AND EMERGENCY PHONE NUMBER FOR AFTER HOURS CALLS. NOTICES SHALL NOT BE LEFT IN MAILBOXES UNLESS PROPERLY SENT THROUGH THE U.S. POST OFFICE.

1.4 CONTRACTOR SHALL BE RESPONSIBLE FOR HOUSEKEEPING OF THE PROJECT SITE AND ALL ACCESS ROADS ON A DAILY BASIS AND SHALL KEEP THE AREA CLEAN AND FREE OF ALL TRASH AND DEBRIS (NO DIRECT PAYMENT).

1.5 THE CONTRACTOR SHALL NOT SCALE THE DRAWINGS FOR CONSTRUCTION PURPOSES.

1.6 ANY BURIAL OF EXISTING MATERIAL SHALL BE APPROVED AND PERMITTED BY ST. TAMMANY PARISH.

1.7 NOISE CONTROL - CONTRACTOR SHALL TAKE REASONABLE MEASURES TO AVOID UNNECESSARY NOISE APPROPRIATE FOR THE AMBIENT SOUND LEVELS ON THE AREA DURING WORKING HOURS. ALL CONSTRUCTION MACHINERY AND VEHICLES SHALL BE EQUIPPED WITH PRACTICAL SOUND MUFFLING DEVICES, AND OPERATED IN A MANNER TO CAUSE THE LEAST NOISE, CONSISTENT WITH EFFICIENT PERFORMANCE OF THE WORK (NO DIRECT PAYMENT).

1.8 DUST CONTROL - CONTRACTOR SHALL TAKE REASONABLE MEASURES TO PREVENT UNNECESSARY DUST. SURFACES SUBJECT TO CREATING DUST SHALL BE KEPT MOIST WITH WATER OR BY APPLICATION OF CHEMICAL DUST SUPPRESSANT. DUSTY MATERIALS IN PILES OR IN TRANSIT SHALL BE COVERED TO PREVENT BLOWING (NO DIRECT PAYMENT).

1.9 GENERAL CONTRACTOR SHALL PERFORM 51% OF THE WORK.

2.0 TRAFFIC CONTROL

2.1 PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE PARISH PROJECT ENGINEER FOR REVIEW AND APPROVAL A COMPLETE CONSTRUCTION SIGNAGE, TRAFFIC MAINTENANCE AND PUBLIC SAFETY PLAN, WHICH AT A MINIMUM INCLUDES THE FOLLOWING:

- A. A PLAN FOR THE PROPOSED ROUTE ON WHICH CONSTRUCTION MATERIALS AND EQUIPMENT ARE TO BE TRANSPORTED TO AND FROM THE CONSTRUCTION SITE.
- 2.2 THESE PLANS SHALL INCLUDE THE NAME AND THE TELEPHONE OF THE RESPONSIBLE PERSON IN CHARGE OF THE PROJECT.

2.3 THE CONTRACTOR SHALL SEEK APPROVAL OF THE PARISH PROJECT ENGINEER FOR ANY TRAFFIC RELATED PLAN CHANGE, INCLUDING REMOVAL, RELOCATION, OR ADDITION OF TRAFFIC CONTROL DEVICES BEFORE OR DURING THE COURSE OF CONSTRUCTION.

2.4 ALL EXISTING TRAFFIC CONTROL DEVICES THAT ARE IN CONFLICT WITH THE CONSTRUCTION OR WORK ZONE TRAFFIC CONTROL PLAN SHALL BE COVERED OR REMOVED BY THE CONTRACTOR, AND THE REMOVED DEVICES RETURNED TO THE PARISH BARN LOCATION AT 644 BREWSTER RD., MADISONVILLE, LA. ALL EXISTING DEVICES LEFT IN THE CONSTRUCTION OR WORK ZONE SHALL BE MAINTAINED IN GOOD CONDITION BY THE CONTRACTOR DURING THE COURSE OF CONSTRUCTION.

2.5 ALL REMOVED TRAFFIC CONTROL DEVICES SHALL BE RESTORED TO THEIR ORIGINAL POSITION AND ORIENTATION BY THE CONTRACTOR PRIOR TO THE TIME OF FINAL INSPECTION.

2.6 ALL TRAFFIC CONTROL DEVICES AND ASSOCIATED HARDWARE (SIGNS, SIGNALS, CONDUITS, CABLES, MARKINGS, ETC.) REMOVED OR DAMAGED DURING THE EXECUTION OF THIS CONTRACT, OTHER THAN PROVIDED FOR IN THIS CONTRACT, SHALL BE REPLACED AT NO COST TO THE PARISH.

2.7 ANY DAMAGE CAUSED BY THE CONTRACTOR'S WORK SHALL BE IMMEDIATELY REPORTED BY THE CONTRACTOR TO THE PROJECT ENGINEER. REPAIRS SHALL BE PERFORMED BY THE CONTRACTOR OR BY PARISH FORCES, AT THE DISCRETION OF THE PARISH PROJECT ENGINEER, WITH ALL ASSOCIATED COSTS BEING PAID BY THE CONTRACTOR.

2.8 THE CONTRACTOR SHALL PROVIDE FOR AND MAINTAIN TRAFFIC AT ALL TIMES AND SHALL CONDUCT OPERATIONS IN SUCH A MANNER AS TO CAUSE THE LEAST POSSIBLE INTERFERENCE WITH TRAFFIC AND BUSINESS. ALL COST OF MAINTAINING TRAFFIC SHALL BE INCLUDED IN THE PRICE FOR ITEM 713-01-00100, TEMPORARY SIGNS AND BARRICADES.

3.0 UTILITY NOTES

3.1 THE CONTRACTOR IS TO CONTACT LOUISIANA ONE CALL AT 1-800-272-3020 IN ADDITION TO ANY OTHER UTILITY COMPANY HAVING UTILITIES IN THE PROJECT LIMITS PRIOR TO BEGINNING ANY WORK RELATED TO THE PROJECT.

3.2 NO SCHEDULED POWER OUTAGES ARE ANTICIPATED FOR THIS PROJECT; HOWEVER, THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING POWER OUTAGES. CONTACT CLECO AT 1 (800) 622-6537 TO SCHEDULE AN OUTAGE. A FEE MAY BE REQUIRED PER OCCURRENCE TO DE-ENERGIZE/RE-ENERGIZE POWER LINES. THERE MUST BE A 3-WEEK NOTICE PRIOR TO REQUIRED OUTAGES. THE CONTRACTOR WILL HAVE ADDITIONAL SUMMERTIME RESTRICTIONS FOR SCHEDULED OUTAGES FROM MAY 1 TO OCTOBER 1.

3.3 LOCATIONS OF EXISTING UTILITIES SHOWN HEREON WERE TAKEN FROM FIELD SURVEYS AND BEST AVAILABLE SOURCES; THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, DEPTH, AND SIZE OF ALL UNDERGROUND EXISTING UTILITIES AND STRUCTURES PRIOR TO CONSTRUCTION AND SHALL BE LIABLE FOR ANY DAMAGES OR DOWNTIME CAUSED BY FAILURE TO COMPLY WITH THESE REQUIREMENTS. ANY CONFLICTS BETWEEN EXISTING UTILITIES AND PROPOSED IMPROVEMENTS SHOULD BE REPORTED TO THE PROJECT ENGINEER FOR COORDINATION.

3.4 THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL PUBLIC UTILITY SERVICES DURING CONSTRUCTION (NO DIRECT PAYMENT).

3.5 THE CONTRACTOR SHALL NOT PLACE CONSTRUCTION MATERIALS OR STAGE CONSTRUCTION EQUIPMENT ON GAS OR ELECTRICAL UTILITY SERVITUDES.

3.6 THE CONTRACTOR SHALL DELINEATE THE GAS UTILITY SERVITUDE LINES WITH FLAGGED STAKES DURING CONSTRUCTION AND MAINTAIN THESE MARKERS UNTIL FINAL ACCEPTANCE OF THE PROJECT. THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR CONSTRUCTION LAYOUT.

3.7 THE CONTRACTOR SHALL EXERCISE CAUTION AROUND OVERHEAD UTILITIES DURING CONSTRUCTION.

UTILITY COMPANIES

GAS:	ATMOS ENERGY CORP. 68388 COMPASS WAY E. MANDEVILLE, LA 70471 PHONE: 1 (888) 286-6700	COMMUNICATIONS:	AT&T STEVE BERGERON 72337 INDUSTRY PARK COVINGTON, LA 70435 PHONE: 1 (985) 327-6432 FAX: 1 (985) 867-1281
ELECTRIC:	CLECO POWER 832 E. BOSTON ST. STE. 17 COVINGTON, LA 70433 PHONE: 1 (800) 622-6537		UNITY COMMUNICATIONS JONATHAN OHLER PHONE: 1 (504) 265-2640
ST. TAMMANY PARISH:	620 N. TYLER ST. COVINGTON, LA 70433 PHONE: 1 (985) 898 2552		

4.0 FOUNDATION PREPARATION

4.1 ANY REQUIRED EXCAVATION OF THE SIGNAL POLE FOUNDATION AND OTHER SIMILAR CAVITIES AND DEPRESSIONS SHALL BE BROKEN DOWN, WHERE SO DIRECTED, TO FLATTEN OUT THE SLOPES.

5.0 DRESSING

5.1 TOPSOIL WHERE DISTURBED SHALL BE BROUGHT TO NOT LESS THAN THE PRE-CONSTRUCTION CONDITION WITHIN ALLOWABLE TOLERANCE, AT ALL POINTS. UNREASONABLE ROUGHNESS OF THE SURFACE SHALL BE DRESSED OUT TO PERMIT FERTILIZING, SEEDING AND MULCHING OPERATIONS.

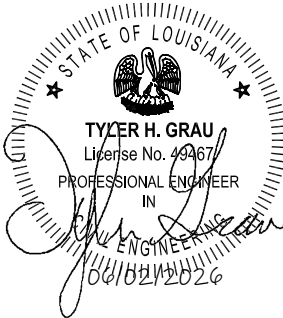
6.0 INSTALLATION OF TRUCK WASHDOWN LOCATION

6.1 THE WORK SPECIFIED IN THIS SECTION CONSISTS OF THE CONTRACTOR DESIGNING, IMPLEMENTING AND MAINTAINING AN APPROVED TRUCK WASH-DOWN LOCATION AT THE CONSTRUCTION SITE.

6.2 OPERATION OF TRUCK WASH DOWNS SHALL NOT INCLUDE USE OF DETERGENTS.

6.3 SEDIMENTS RESULTING FROM OPERATION OF WASHING TRUCKS SHALL NOT BE PERMITTED TO POLLUTE ANY RECEIVING WATERS.

6.4 SEDIMENTS SHALL BE UTILIZED IN THE JOB OR DISPOSED OF AS CONSTRUCTION DEBRIS.



BEN THOMAS RD. SIGNAL
GENERAL NOTES

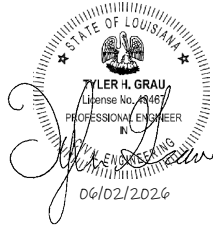
Rev. No	Date	Description

St. Tammany Parish
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Project No.	EN25000083	Sheet	2
Date	6/2/2026	NTS	EC
Scale			
Drawn By			

SUMMARY OF ESTIMATED QUANTITIES				
SPEC	NUMBER	DESCRIPTION	UNIT	QTY
713-01-	00100	TEMPORARY SIGNS AND BARRICADES	LUMP	1
716-01-	00100	MULCH VEGETATIVE	TON	0.25
717-01-	00100	SEEDING	LB	2
718-01-	00100	FERTILIZER	LB	30
727-01-	00100	MOBILIZATION	LUMP	1
729-01-	00100	SIGN (TYPE A)	EACH	2
736-04-	01300	SIGNAL POLE (30 FOOT STEEL STRAIN POLE)	EACH	4
736-05-	30000	SIGNAL HEADS (3 SECTION, 12 INCH LED LENS R,Y,G)	EACH	6
736-05-	51000	SIGNAL HEADS (5 SECTION, 12 INCH LED LENS R ,LT Y, Y, LT G, G)	EACH	1
736-06-	00100	SIGNAL SERVICE	EACH	1
736-08-	00102	SIGNAL CONTROLLER (980 ATC, TYPE 2)(FURNISH & INSTALL)	EACH	1
736-10-	00200	UNDERGROUND JUNCTION BOX (TYPE E)	EACH	1
736-11-	00200	CONDUIT (2" HDPE, SCHEDULE 80)	LNFT	30
736-12-	03014	CONDUCTOR (3C, #14 AWG)	LNFT	50
736-12-	06014	CONDUCTOR (6C, #14 AWG)	LNFT	125
736-12-	10014	CONDUCTOR (10C, #14 AWG)	LNFT	225
736-15-	03600	SIGNAL SUPPORT (FOUNDATION, 36 INCH MINIMUM DIAMETER)	EACH	4
736-25-	00002	SUPPORT CABLE (SPAN) 3/8"	LNFT	574
* NS-736-	00120	SIGNAL RADAR VEHICLE DETECTION SENSOR (STOP BAR)	EACH	2
* NS-736-	00121	SIGNAL RADAR VEHICLE DETECTION SENSOR (ADVANCED)	EACH	2
* NS-736-	00122	SIGNAL RADAR VEHICLE DETECTION SYSTEM CABINET INTERFACE UNIT (CIU)	EACH	1
* NS-736-	00123	SIGNAL RADAR VEHICLE DETECTION (CABLE)	LNFT	405
* NS-736-	00124	SIGNAL RADAR VEHICLE DETECTION SYSTEM TRAINING	LUMP	1
NS-736-	00131	TS-2 TRAFFIC SIGNAL CABINET (POLE MOUNTED)	EACH	1

* THE MANUFACTURER FOR THE SIGNAL RADAR VEHICLE DETECTION SENSOR (SRVDS) SHALL BE WAVETRONIX IN ACCORDANCE WITH LADOTD REQUIREMENTS.



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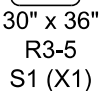


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Rev.	No.	Date	Description

BEN THOMAS RD. SIGNAL
SUMMARY OF QUANTITIES

1. CONTRACTOR TO FIELD PLACE EQUIPMENT WITH DIRECTION FROM ENGINEER.
2. EXISTING LIGHTING ON THE SW CORNER TO BE PROTECTED IN PLACE.
3. ALL SIGNAL EQUIPMENT TO BE PLACED A MIN. OF 6 FT FROM ROADWAY EDGE TO MAINTAIN APPROPRIATE CLEAR ZONE.
4. INSTALL NEW TRAFFIC SIGNAL AS SHOWN.



NOT TO SCALE

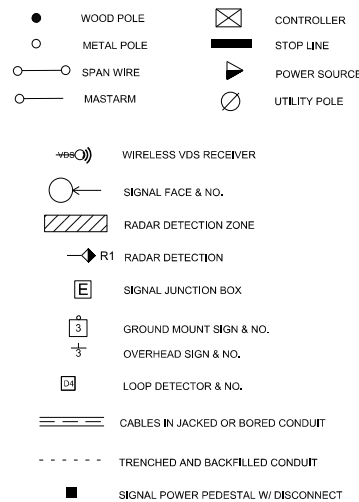
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WIRING CODE	WIRING TYPE									INTERCONNECT				CONDUIT		TYP
	RADAR	LOOP	2CLL	2C	MAG	3C POWER	3C	6C	10C	7C	Wireless	6 PAIR	FIBER	NO.	SIZE	
a						1								1	2"	TE
b								1								OH
c									1							OH
d	3							1	2							OH
e	3							2	1							OH
f	3							1	1							OH
g	2							2	1							OH
h	2							1	1							OH
i	2								1							OH
j	2															IP
k	4							1	3							

OH - OVERHEAD JB - JACK OR BORE TB - TRENCH AND BACKFILL SC- SAW CUT IP - INSIDE POLE

WIRING CODE TABLE VERSION 3.2

WIRING CODE TABLE VERSION 3.2



BACKPLATES: YES ☒ NO ☐		SIGNAL HEAD HEIGHT: 18 FT		SKETCH OF INTERSECTION		NOT TO SCALE	
INTERSECTION: US 11 (FRONT ST) @ BEN THOMAS RD				TSI #: 52-786		PAGE 3 OF 5	

Legend:

- GM GROUND MOUNTED CABINET & CONTROLLER
- PM POLE MOUNTED CABINET & CONTROLLER
- SIGNAL POWER PEDESTAL W/ DISCONNECT
- OVERHEAD SKIN & NO.
- GROUND MOUNT SIGNAL & NO.
- PARALLEL PARKING
- POWER SOURCE
- WOOD POLE
- METAL POLE
- UTILITY POLE
- MAST ARM
- SPAN WIRE
- STOP BAR
- PEDESTAL MOUNT SIGNAL & NO.
- SIGNAL FACE & NO.
- SIGNAL FACE WITH ARROWS & NO.
- PEDESTRIAN SIGNAL & NO.
- PED BUTTON & SIGN
- AUDIBLE PED BUTTON & SIGN
- PED CROSS WALK

Legend:

- LOOP DETECTOR & NO.
- VIDEO DETECTION ZONE & NO.
- VIDEO DETECTION
- WIRELESS VDS RECEIVER
- RADAR DETECTION
- WIRELESS VDS
- WIRELESS INTERCONNECT

EXISTING SPEED LIMITS

BEN THOMAS RD - 20 MPH

US 11 - 45 MPH

**BEN THOMAS RD. SIGNAL
SIGNAL PLANS**



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Department of Engineering
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TRAFFIC SIGNAL INVENTORY (v3.2)

TSI NO. 52-786

LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

PAGE: 5 OF 6

Intersection: US 11 (Front St.) @ Ben Thomas Rd.

TRAFFIC VOLUMES - VPH

AM PEAK HOUR: 7:30:00 AM to 8:30:00 AM

Count Date: 2/19/2025

PHF: 0.86

Diagram showing traffic volumes for AM Peak Hour. SB: 83, 1285, 18, 1113. EB: 42, 10. WB: empty. NB: empty.

MIDDAY PEAK HOUR: to

Count Date:

PHF:

Diagram showing traffic volumes for Midday Peak Hour. SB: empty. EB: empty. WB: empty. NB: empty.

PM PEAK HOUR: 3:30:00 PM to 4:30:00 PM

Count Date: 2/19/2025

PHF: 0.97

Diagram showing traffic volumes for PM Peak Hour. SB: 55, 1311, 25, 1257. EB: 95, 40. WB: empty. NB: empty.

Detector #	Delay(s)	Extends(s)	Phase	Equipment	Lane #	Size	Type
D1			Φ1	Radar	NB1	1-6x50	Stopbar
D8			Φ8	Radar	EB1	1-6x50	Stopbar
D2			Φ2	Radar	SB1	1-6x6	Setback
D6			Φ6	Radar	NB2	1-6x6	Setback

NOTES:

1. ALL TRAFFIC SIGNAL HEADS SHALL BE MOUNTED WITH THE MINIMUM HEIGHT STATED IN THE LA DOTD TRAFFIC SIGNAL STANDARD PLANS UNLESS STATED OTHERWISE.
2. FOR ALL SIGNALS, THE CONSTRUCTOR SHALL VERIFY THE TIMINGS WITH THE DISTRICT TRAFFIC OPERATIONS ENGINEER TWO WEEKS PRIOR TO ENTERING THE TIMINGS INTO THE CONTROLLER.
3. CONTRACTOR SHALL CONTACT SECTION 45 SIGNAL INSPECTORS AND SCHEDULE A BENCH TEST FOR THE FULLY FUNCTIONAL CABINET INCLUDING CONTROLLER AND MMU UNIT, AT THE SECTION 45 SIGNAL SHOP (7686 TOM DRIVE, BATON ROUGE 708061; A MINIMUM OF 7 DAYS BEFORE, BUT NO SOONER THAN 60 DAYS BEFORE SIGNAL ACTIVATION. APPROVED TSI PLAN SHALL BE PROVIDED IN THE SIGNAL CABINET. AT LEAST ONE TECHNICAL CONTRACTOR REP MAY BE REQUIRED TO BE PRESENT FOR BENCH TESTING.
4. A MINIMUM OF ONE PERSON WITH A LEVEL I IMSA CERTIFICATION IS REQUIRED ON SITE AT ALL TIMES FOR ALL WORK OUTSIDE OF A TRAFFIC SIGNAL CABINET.
5. A LEVEL II IMSA CERTIFICATION IS REQUIRED FOR ALL WORK INSIDE A TRAFFIC SIGNAL CABINET.
6. CONTRACTOR TO PROVIDE CERTIFIED 980 ATC CONTROLLER. SEE CERTIFICATION: <https://dotd.la.gov/media/jnzdy2lk/traffic-signal-controller-certification-2016.pdf>
7. SEE TRAFFIC SIGNAL STANDARD PLANS FOR TERMINAL WIRING CONNECTIONS.
8. CONTRACTOR SHALL BE CERTIFIED BY THE RADAR MANUFACTURER IN THE INSTALLATION AND PROGRAMMING OF THE EQUIPMENT.

BEN THOMAS RD. SIGNAL
SIGNAL PLANS

Rev. No. Date Description

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Sheet 6

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A) ALL CONDUCTORS AND CABLES FROM SIGNAL HEADS AND DETECTORS SHALL BE RUN IN UNDERGROUND CONDUIT, RISERS, ON POLES, OR ON MESSENGER CABLE AND SHALL BE RUN IN THE MOST DIRECT ROUTE TO THE CONTROLLER CABINET IN ACCORDANCE WITH THE PLANS.

B) A SPARE LENGTH OF CABLE SHALL BE INSTALLED AS SHOWN ON LADOTD STANDARD DETAIL SHEETS LABELED "SPAN WIRE INSTALLATION DETAILS" AND "JUNCTION BOX AND PULL BOX". SIX FEET OF SPARE SIGNAL CABLE, LOOP LEAD-IN, COMMUNICATION, AND SERVICE CABLE, SHALL BE INSTALLED IN EACH BASE MOUNTED CABINET IN ACCORDANCE WITH LADOTD STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES.

- A) ALL UNDERGROUND CONDUIT INCLUDING ELBOW SHALL BE HDPE OR PVC SCHEDULE 80.
- B) USE AN E-LOC COUPLING WHEN CONNECTING HDPE TO PVC.
- C) ALL ABOVE GROUND CONDUIT AND FITTINGS SHALL BE RIGID STEEL AND HOT DIP GALVANIZED ACCORDING TO ANSI C80.1.
- D) SIGNAL CONDUIT SHALL BE INSTALLED AT A MINIMUM DEPTH OF 24".
- E) FIBER OPTIC CONDUIT SHALL BE INSTALLED AT A MINIMUM DEPTH OF 36".
- F) ALL CONDUIT SHALL BE INSTALLED AT THE DEPTHS LISTED ABOVE FOR DITCH INVERT.
- G) ALL CONDUIT CONNECTIONS SHALL BE SEALED WITH A WATERPROOF SEALING COMPOUND.
- H) ALL CABLE AND WIRE ENTRANCES SHALL BE DUCT SEALED IN CABINET AFTER INSTALLATION.
- I) NO MORE THAN 270 DEGREES OF BENDS IN CONDUIT WITHOUT A JUNCTION BOX.

A) USE CLASS S CONCRETE WITH AN 8" SLUMP IN ACCORDANCE WITH SECTION 901.

A) THE CONTRACTOR SHALL DISPOSE OF ALL EXISTING CONTROLLER AND POLE BASE FOUNDATIONS. POLE BASE FOUNDATIONS SHALL BE SHAVED 24" BELOW NATURAL GROUND AND BACK FILLED. REMOVAL OF FOUNDATIONS SHALL BE IN ACCORDANCE WITH SECTION 202 OF THE LADOTD STANDARD SPECIFICATIONS.

A) SEE INDIVIDUAL INTERSECTION PLAN SHEETS.

A) THE MAXIMUM DISTANCE BETWEEN SIGNAL JUNCTION BOXES SHALL BE 500 FEET.

B) THE MAXIMUM DISTANCE BETWEEN JUNCTION BOXES USED FOR COMMUNICATIONS CABLE SHALL BE 1000 FEET.

A) ANY PROPERTY DAMAGED DURING CONSTRUCTION OPERATIONS SHALL BE THE CONTRACTORS RESPONSIBILITY.

- A) THE POWER SOURCE SHOWN ON THE DRAWINGS IS APPROXIMATE AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATION OF THE POWER SOURCE.
- B) THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH AND PAY THE POWER COMPANY FOR TEMPORARY AND PERMANENT ELECTRICAL SERVICE. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND POINTS OF ATTACHMENT BEFORE INSTALLATION IN ACCORDANCE WITH LADOTD STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES.
- C) FROM THE POWER DISCONNECT, A 1" CONDUIT WITH THREE #6 AWG-IC STRANDED COPPER, SHALL BE TURNED UP THE POWER COMPANY SERVICE POLE TO A HEIGHT DESIGNATED BY THE POWER COMPANY. THE CONTRACTOR SHALL TERMINATE THE CONDUIT WITH A THREADED SERVICE ENTRANCE FITTING (WEATHER HEAD) AND WIRES SHALL BE A MINIMUM OF 2 FEET BEYOND THE WEATHER HEAD TO ALLOW CONNECTION TO POWER COMPANY WIRING WITH A DRIP LOOP.
- D) THE CONTRACTOR SHALL COORDINATE POWER SERVICE CONNECTION WITH UTILITY COMPANY.

A) FROM THE POWER DISCONNECT TO THE CONTROLLER, A 2" CONDUIT WITH THREE #6 AWG-IC SHALL BE INSTALLED. MEASUREMENT FOR SIGNAL SERVICE PAYMENT WILL BE IN ACCORDANCE WITH SIGNAL SERVICE (PEDESTAL MOUNTED) FOR POWER DISCONNECT.

A) THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE STATE RIGHT-OF-WAY LIMITS AND MAINTAINING ALL CONSTRUCTION WITHIN THESE LIMITS.

A) THE CONTROLLER CABINET SHALL BE ORIENTED SUCH THAT SIGNAL PERSONNEL CAN FACE THE INTERSECTION WHEN OPENING THE CABINET. THE BACK OF THE CABINET SHALL PARALLEL THE MAIN ROADWAY.

B) A 3' X 5' X 4" CONCRETE PAD SHALL BE POURED IN FRONT OF CONTROLLER CABINET FOR A TYPICAL BASE MOUNTED CABINET FOUNDATION AND NEXT TO THE CONTROLLER CABINET POLE FOR POLE MOUNTED CABINETS, PAD SHALL BE INSTALLED ABOVE GROUND LEVEL TO PROVIDE AN ALL WEATHER STANDING AREA FOR SERVICE PERSONNEL.

A) THE PROJECT ENGINEER SHALL APPROVE THE DEPTH AND CLEANLINESS OF EACH DETECTOR LOOP SLOT BEFORE THE CONTRACTOR PLACES WIRE IN THE SLOT.

B) SHIELDED CABLE SHALL BE SPLICED TO LOOP WIRE AT A PULL BOX NEAREST THE LOOP (OR LOCATION SPECIFICALLY DESIGNATED ON THE PLANS) AND SHALL BE CONTINUOUS TO THE TERMINATION PANEL IN THE CONTROLLER CABINET. NO SPLICE SHALL BE PERMITTED BETWEEN THE LOOP LEAD-IN AND THE TERMINATION PANEL.

C) LOOPS OPERATING ON THE SAME PHASE SHALL BE WIRED IN SERIES. A SINGLE LOOP LEAD-IN WIRE SHALL BE RAN FROM THE JUNCTION BOX TO THE CONTROLLER.

A) ADJUST CAMERA IMAGE 10 FEET TO 15 FEET BEFORE STOP BAR TO ALLOW COUNT DETECTION TO BE PROGRAMMED AT A LATER DATE.

A) LOCATIONS OF POLES, SIGNALS, LOOP DETECTORS, SYSTEM SENSORS, CONTROLLERS AND JUNCTION BOXES ARE APPROXIMATE. EXACT LOCATIONS SHALL BE APPROVED BY THE PROJECT ENGINEER.

B) THE CONTRACTOR SHALL STAKE THE RIGHT-OF-WAY, EDGE OF THE PAVEMENT/CURB, LANE LINES, UTILITY MARKUP, AND ELEVATION & LOCATION OF EACH POLE FOUNDATION FOR THE PROJECT ENGINEER'S APPROVAL. DURING THE ASSEMBLY PERIOD, ANY EXCEPTION HAS TO BE APPROVED BY THE PROJECT ENGINEER. AFTER APPROVAL THE CONTRACTOR MAY PROCEED WITH THE INSTALLATION OF THE POLE FOUNDATION.

C) ONCE THE POLE FOUNDATION IS INSTALLED, MAST ARM LENGTHS SPECIFIED ON PLANS ARE TO BE VERIFIED TO ORDER THE MATERIALS. IF A TIME EXTENSION IS NEEDED, IT SHALL BE AT THE DISCRETION OF THE PROJECT ENGINEER TO GRANT THE EXTENSION.

A) ALL EXISTING TRAFFIC SIGNAL EQUIPMENT, CONTROL DEVICES, AND COMMUNICATIONS AT EACH INTERSECTION SHALL BE REMOVED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE PROJECT ENGINEER.

B) THE CONTRACTOR SHALL DELIVER ALL SALVAGEABLE EQUIPMENT TO THE OWNER.

C) THE REMOVAL AND DELIVERY OF EQUIPMENT TO THE OWNER SHALL BE PAID FOR UNDER ITEM FOR "REMOVAL OF TRAFFIC SIGNAL EQUIPMENT".

A) THE CONTRACTOR SHALL PROVIDE HEIGHTS THAT ARE SUFFICIENT TO ENSURE THAT THE BOTTOM OF THE LOWEST SIGNAL ON AN ASSEMBLY IS NOT LESS THAN 17' ABOVE THE PAVEMENT. FOR MAXIMUM HEIGHT REFER TO THE CURRENT ADOPTED EDITION OF THE MUTCD.

B) SIGNAL HEAD ALIGNMENT AND CLEARANCE SHALL BE IN ACCORDANCE WITH THE LADOTD TRAFFIC SIGNAL DESIGN MANUAL.

A) IF HOT-DIPPED GALVANIZED STEEL POLES ARE DAMAGED, THE DAMAGED GALVANIZED AREA SHALL BE REPAIRED BY THE CONTRACTOR IN ACCORDANCE WITH SUBSECTION 811.5 OF THE LADOT STANDARD SPECIFICATIONS.

A) THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING PROPER CLEARANCES FROM EXISTING UTILITY LINES AND LUMINARIES IN ACCORDANCE WITH THE NATIONAL ELECTRICAL SAFETY CODE.

A) THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTINUAL OPERATION OF THE NEW, EXISTING, OR TEMPORARY TRAFFIC SIGNALS DURING THE PERIOD OF CONSTRUCTION. THIS INCLUDES RELOCATING POLES, DETECTORS, SIGNAL HEADS, AND OTHER ITEMS, PROVIDE TEMPORARY POLES OR OTHER MATERIALS AS NECESSARY TO ENSURE THE CONTINUAL OPERATION OF THE SIGNAL AND COMMUNICATION EQUIPMENT AT ALL TIMES. WHERE VEHICLE DETECTORS ARE PRESENT, VEHICLE DETECTION MUST BE MAINTAINED.

B) THE CHANGEOVER SHALL BE SCHEDULED DURING NON PEAK HOUR TRAFFIC CONDITIONS UNLESS DIRECTED OTHERWISE BY THE PROJECT ENGINEER, AS ADVISED BY THE OFFICE OF THE DISTRICT TRAFFIC OPERATIONS ENGINEER.

A) UNDERGROUND UTILITIES MAY EXIST IN THE CONSTRUCTION AREAS. THE LOCATION AND TYPE IF SHOWN IS NOT GUARANTEED TO BE ACCURATE NOR ALL INCLUSIVE. THE INFORMATION IS SHOWN SOLELY FOR USE IN ESTABLISHING DESIGN CONTROLS FOR THE PROJECT. THE ENGINEER DOES NOT GUARANTEE ACCURACY OR GUARANTEE THAT ALL UTILITIES ARE SHOWN.

B) BEFORE ANY EXCAVATIONS, THE CONTRACTOR SHALL CONTACT "LOUISIANA ONE CALL", THE APPROPRIATE UTILITY COMPANY, AND LADOTD TRAFFIC OPERATIONS SECTION AT (225)935-0100 FOR LOCATION OF THE UNDERGROUND SERVICE A MINIMUM OF 48 HOURS PRIOR TO BEGINNING CONSTRUCTION. THE "LOUISIANA ONE CALL" NUMBER IS 1-800-272-3020.

C) THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, DEPTH, AND SIZE OF ALL UNDERGROUND UTILITIES AND STRUCTURES AND SHALL BE LIABLE FOR ANY DAMAGES CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR MAKING INDEPENDENT INVESTIGATIONS, INCLUDING ANY SUBSURFACE INVESTIGATIONS AS NECESSARY.

A) CONTRACTOR SHALL BE REQUIRED TO CALL LADOTD TRAFFIC OPERATIONS SECTION AT (225)935-0100 AT LEAST 7 DAYS BEFORE BEGINNING CONSTRUCTION ACTIVITIES.

B) CONTRACTOR SHALL BE REQUIRED TO CALL LADOTD TRAFFIC OPERATIONS SECTION AT (225)935-0100 AT LEAST 7 DAYS BEFORE SIGNAL TURN ON TO SCHEDULE FOR A FINAL INSPECTION AND TO SCHEDULE FOR AN INSPECTOR TO BE PRESENT AT SIGNAL TURN ON.

A) ANY FIBER OPTIC CABLE INSTALLED SHALL BE REQUIRED TO HAVE A 10 AWG, GREEN, 600V COPPER CONDUCTOR, STRANDED OR OTHER APPLICABLE TRACER WIRE IN THE SAME CONDUIT. PAYMENT WILL BE MADE UNDER THE FIBER OPTIC CABLE PAY ITEM.

A) INSTALL ONE 120VAC RELAY IN THE SIGNAL CABINET. THE RELAY IS ENERGIZED IN ABSENCE OF BRIDGE/RAILROAD PREEMPTION CALLS AND IS DE-ENERGIZED WHEN PREEMPTION CALLS ARE PRESENT. THE RELAY IS ACTIVATED BY THE CONTROL DESK SWITCH THAT CONTROLS BRIDGE FLASHERS OR THE RAILROAD CONTROL HOUSE SWITCH.

B) RUN A #14 TWO CONDUCTOR WIRE IN A MIN 1" PVC CONDUIT BETWEEN TRAFFIC SIGNAL CABINET TO THE DESIGNATED TERMINAL BLOCKS INSIDE THE RAILROAD HOUSE, BRIDGE CONTROL HOUSE OR THE MAIN BRIDGE JUNCTION BOX WHERE SPARE TERMINAL BLOCKS ARE AVAILABLE. 6' SPARE WIRE IS REQUIRED WHEN CONNECTION IS MADE AT THE JUNCTION BOX. 15' SPARE WIRE IS REQUIRED WHEN CONNECTION IS MADE INSIDE THE BRIDGE OR RAILROAD CONTROL HOUSE.

C) DESIGNERS SHALL VERIFY BRIDGE CONTROL CONNECTION LOCATIONS WITH LA DOTD BRIDGE ELECTRICAL SECTION.

D) DESIGNERS SHALL VERIFY TRACK CLEARANCE TIME AND BRIDGE PREEMPTION SEQUENCE WITH THE DISTRICT TRAFFIC OPERATIONS ENGINEER.

E) BRIDGE OR RAILROAD CONTROL HOUSE PROVIDES NORMALLY-CLOSED CONTACT CONNECTION.

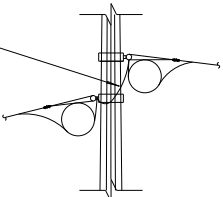


LEGEND:
ED - ELEVATION DIFFERENCE BETWEEN ROADWAY & GRADE AT POLE BASE
S - SAG AS ILLUSTRATED
SHH - SIGNAL HEAD HEIGHT + SPAN WIRE ATTACHMENT AND DISCONNECT HANGER
C - REQUIRED. CLEARANCE 17' OR AS SPECIFIED
PH - POLE HEIGHT

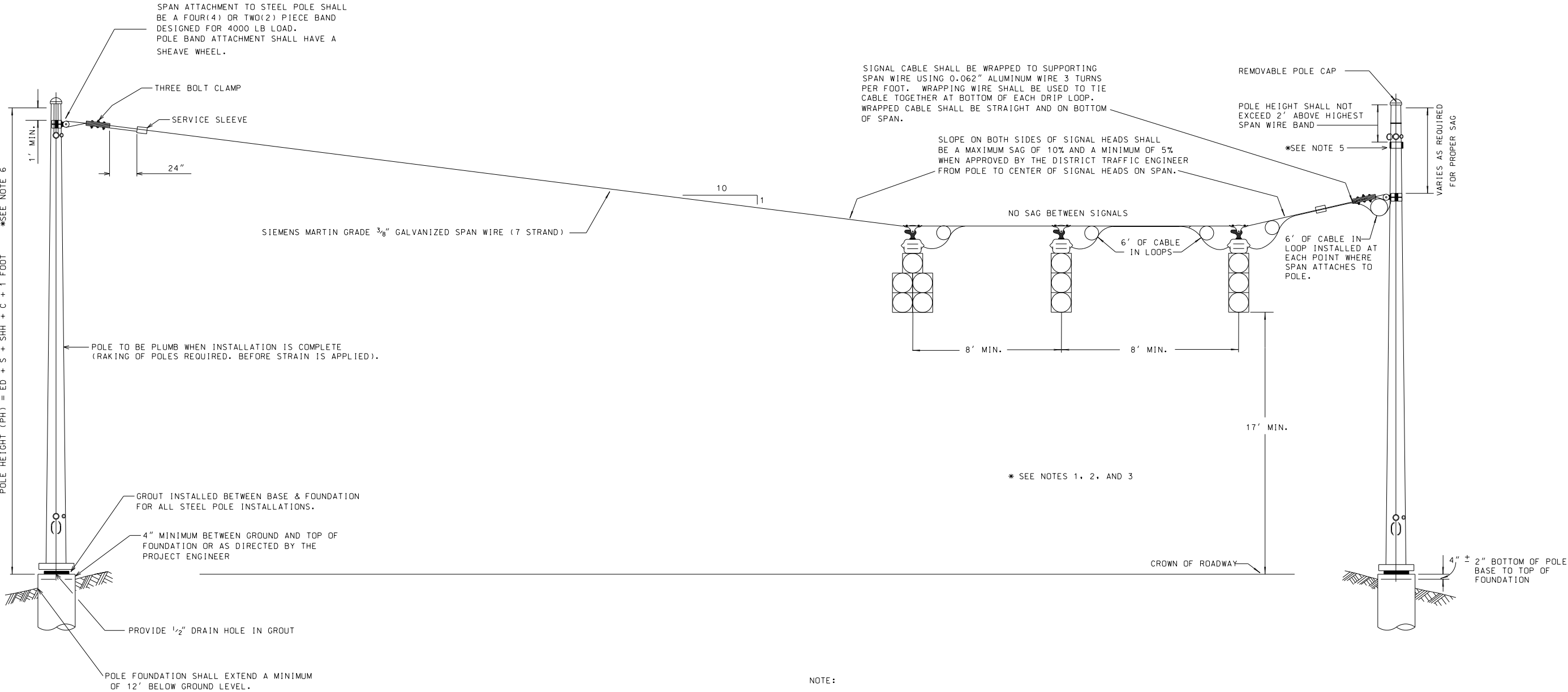
SPAN WIRE SIGNAL INSTALLATION

STEEL POLE INSTALLATION SHOWN. ALSO APPLIES TO WOOD POLE INSTALLATION.

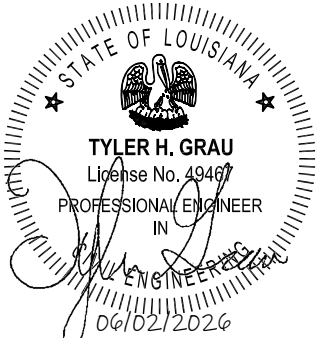
ATTACH SIGNAL CABLE TO POLE WHEN POLE BANDS ARE MORE THAN 18" APART. USE NONCONDUCTING MATERIAL. HEAVY DUTY TIE WRAP SHALL BE 1/2" WIDE, SELF-LOCKING, ULTRA VIOLET, AND WEATHER RESISTANT. EXCESS WRAP MATERIAL SHALL BE TRIMMED.



ATTACH SIGNAL CABLE TO SPAN ON BOTH SIDES OF LOOP.

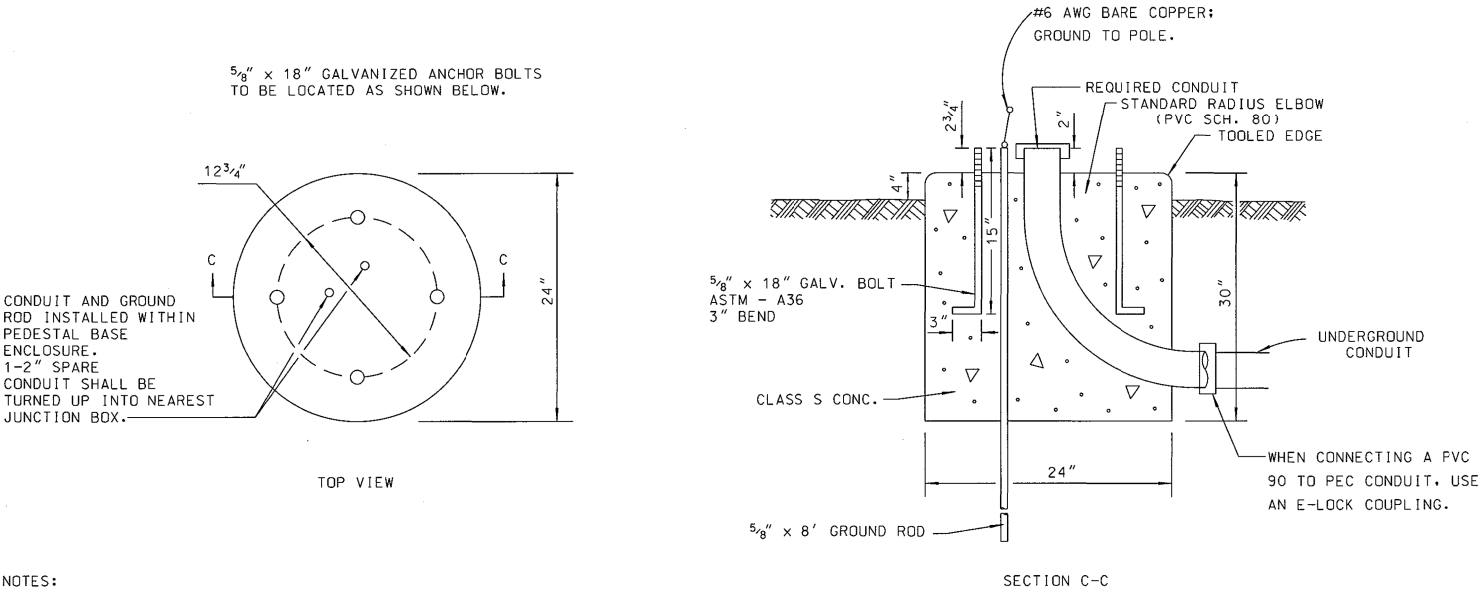


- NOTE:
- REFER TO THE PLANS FOR SIGNAL HEAD TYPE, NUMBER AND PLACEMENT.
 - ALL SIGNAL HEADS SHALL BE 17' MINIMUM HEIGHT. FOR MAXIMUM HEIGHT, REFER TO THE MUTCD CURRENT ADOPTED EDITION.
 - SIGNAL HEADS FOR PRIMARY MOVEMENT ON SPECIFIC APPROACH SHALL BE CENTERED OVER APPROACH. TURN LANE HEADS SHALL BE PLACED WITH ADEQUATE SPACING FROM LEFT MOST PRIMARY HEAD.
 - SIGNAL CABLE SHALL ENTER POLE BY WIRE WAY PROVIDED ON POLE. WEATHER HEAD SHALL BE SIZED ACCORDING TO THE NUMBER OF CABLES IN 3" BOSS PROVIDED WITH NECESSARY REDUCERS.
 - A SEPARATE POLE BAND MAY BE REQUIRED TO ATTACH PERPENDICULAR SPAN TO POLE MEETING THE REQUIREMENTS FOR SIGNAL HEIGHT AND SAG.
 - IN ALL CASES, THE MAXIMUM STRAIN POLE HEIGHT SHALL BE USED TO MEET THE 17' SIGNAL HEIGHT BEFORE ANY FOUNDATION ADJUSTMENTS ARE MADE. ADJUSTMENTS TO THE FOUNDATION MUST BE APPROVED BY THE PROJECT ENGINEER.



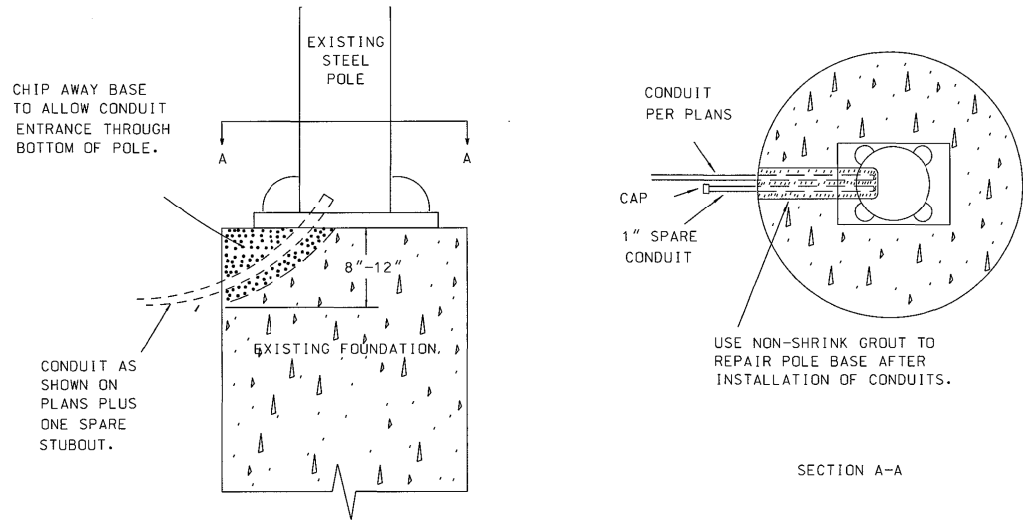
SHEET NUMBER		202	
PARISH		CONTROL SECTION	
STATE PROJECT		DATE	
DESIGN	S. MCCARROLL	CHECK	D. LORIO
DETAIL	S. MCCARROLL	CHECK	L. WANG
REVIEW	S. MCCARROLL	REVIEW	L. WANG
SERIES	2 OF 14	DATE: Oct. 1, 2025	
APPROVED BY CHIEF ENGINEER: [Signature]			
REVISION OR CHANGE ORDER DESCRIPTION			
NO. DATE			
BY			
TSD-01			
TRAFFIC SIGNAL DETAILS			
SPAN WIRE INSTALLATION DETAILS			
STANDARD PLAN			

SIGNAL PEDESTAL FOUNDATION

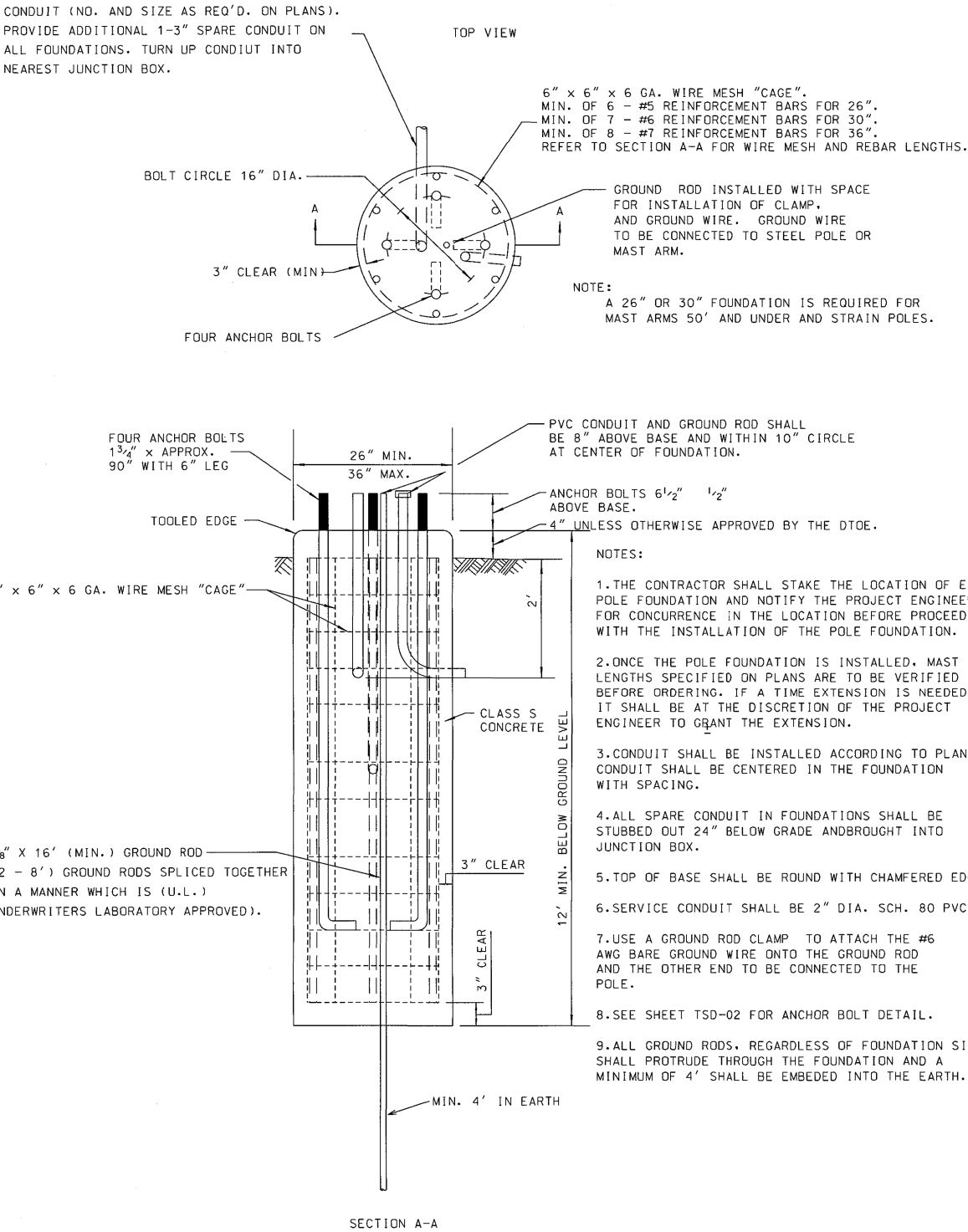


- NOTES:
1. TRAFFIC SIGNAL ANCHOR BOLTS SHALL PROTRUDE 2 3/4" MIN. - 3" MAX. ABOVE FINISHED PEDESTAL FOUNDATION. CONDUIT AND GROUND RODS SHALL PROTRUDE 2" ABOVE FINISHED FOUNDATION.
 2. BACKFILL OVER CONDUIT RUNS SHALL BE OF SOIL OR SAND AND SHALL NOT CONTAIN ROCKS OR CONCRETE.
 3. ALL 90° ELLS TO BE STANDARD RADIUS.

CONDUIT ENTRANCE DETAIL TO EXISTING FOUNDATION



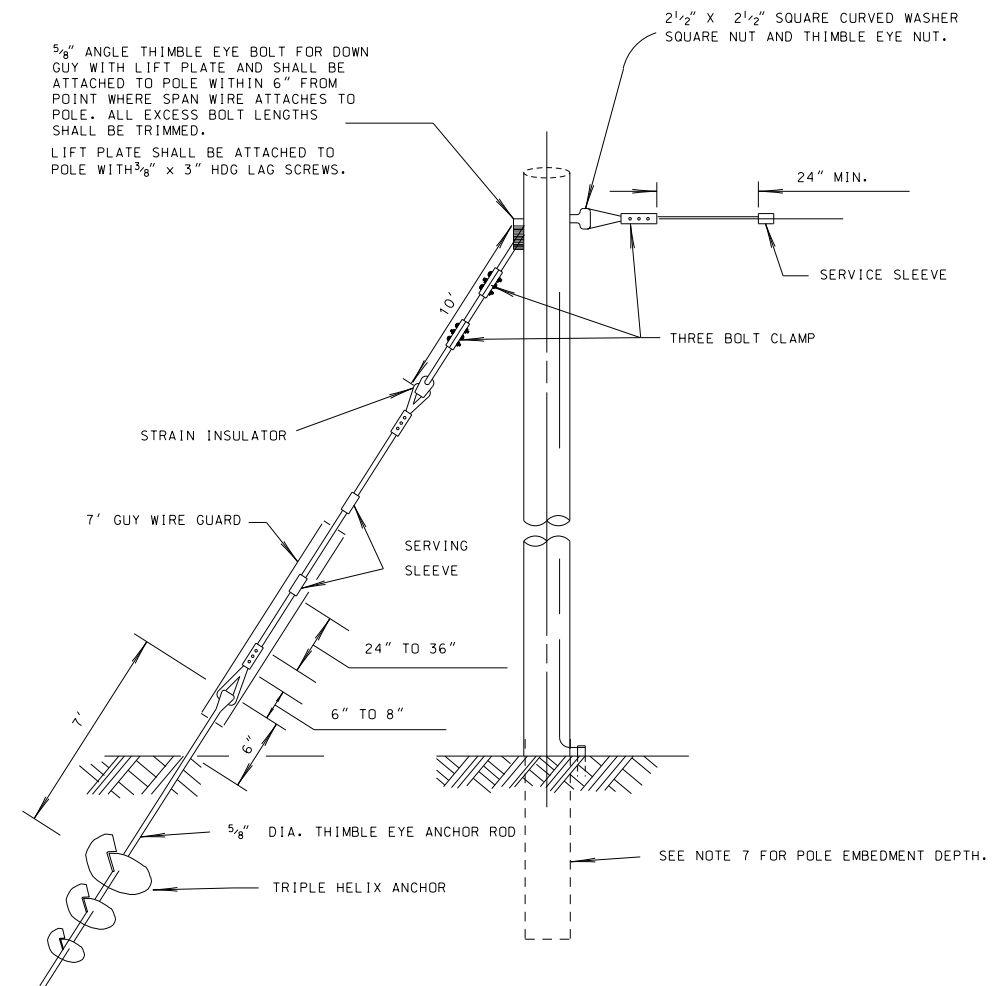
50' SINGLE, 45' X40' DUAL, AND UNDER MAST ARM, STEEL STRAIN POLE STANDARD



SHEET NUMBER		204	
DESIGN	CHECK	DETAIL	CHECK
S. MCCARROLL	D. LORIO	S. MCCARROLL	L. WANG
PARISH		CONTROL SECTION	
STATE		PROJECT	
REVIEW		SERIES # 4 OF 14	
APPROVED BY CHIEF ENGINEER:		DATE: Oct 1, 2025	
REVISION OR CHANGE ORDER DESCRIPTION		BY	
NO.		DATE	
TRAFFIC SIGNAL DETAILS		POLE FOUNDATION	
TSD-03		STANDARD PLAN	

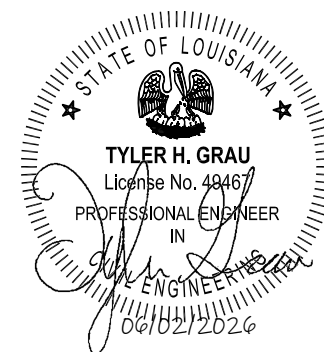
WOOD POLE DETAIL

FOR EXISTING AND NEW

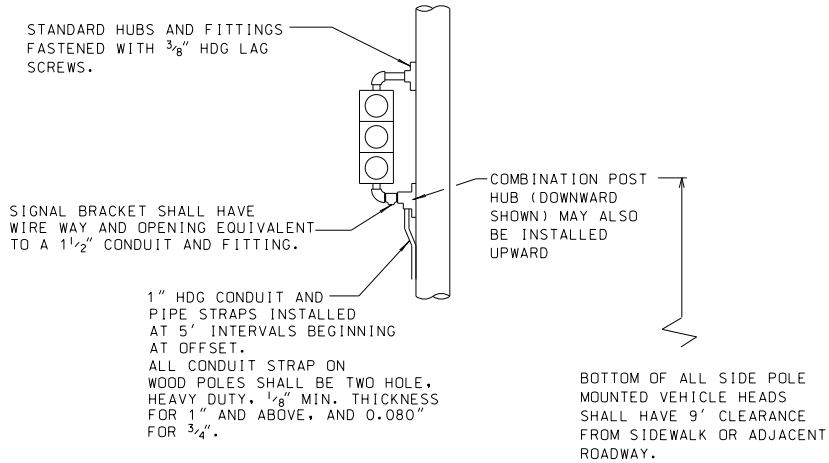


1. PROVIDE DRIP LOOPS ON BOTH SIDES OF SPLICE AND ON BOTH SIDES OF INTERSECTING STREETS.
2. 1/4" SIEMENS MARTIN GRADE GALVANIZED SPAN WIRE. ASTM 475.
3. STAINLESS STEEL LASHING WIRE 0.045" DIAMETER FOR INTERCONNECT TO HOLD CABLE TIGHT AGAINST THE SPAN.
4. MAXIMUM SAG FOR INTERCONNECT MESSENGER CABLE SHALL BE 2% WITH MINIMUM CLEARANCE ABOVE ROADWAY OF 18'.
5. SHOULD UNUSUAL CIRCUMSTANCES BE ENCOUNTERED, SPICING SHALL BE APPROVED BY THE PROJECT ENGINEER.
6. WHEN INTERCONNECT IS DEAD ENDED AT POLE, HARDWARE AS SHOWN FOR WOOD POLE DETAIL SHALL BE USED.
7. INSTALLATION SHALL BE CLASSIFIED AS 120 VAC SECONDARY LOCATED BELOW POWER COMPANY EQUIPMENT ABOVE OTHER UTILITIES IN ACCORDANCE WITH NATIONAL ELECTRIC SAFETY CODE.

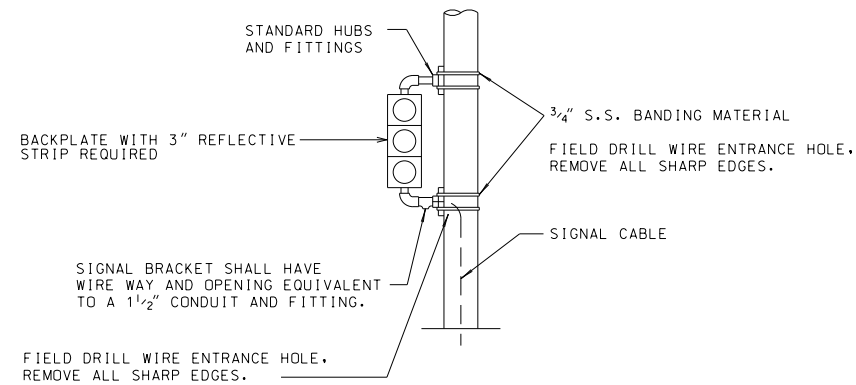
1. TIEBACK ANCHORS MAY BE REQUIRED AS DIRECTED BY THE PROJECT ENGINEER.
2. TOP OF POLE SHALL BE CAPPED WITH MALLEABLE ALUMINUM 0.032" MATERIAL.
3. TOP OF POLE TRIMMED LEAVING A MAXIMUM OF 18" OF POLE ABOVE ATTACHMENT POINT OF SPAN.
4. THE ANCHOR ROD SHALL BE A MINIMUM OF 5/8" DIA. 7' LONG. ACCEPTABLE ANCHOR IS: TRIPLE-HELIX ANCHOR, 12"-10"-8", 7,000# CAPACITY, 1 1/2" ROD. ANY EXTENSION NEEDS TO MEET THE REQUIREMENTS IN THE LADOTD SPECIFICATIOND
5. ALL POLES INSTALLED SHALL HAVE A #6 AWG BARE COPPER WIRE INSTALLED THE LENGTH OF POLE WITH BUTT GROUND (APPROVED BY INSPECTOR PRIOR TO INSTALLATION OF POLE) OR CONNECT TO 5/8" X 8' GROUND ROD USING LUG.
6. CLASS 3 POLE SHALL BE USED AND CREOSOTED IN ACCORDANCE WITH LADOTD STANDARD SPECIFICATIONS.
7. GENERALLY, ANCHORS ARE 20' TO 30' BEHIND THE POLE IN LINE WITH THE SPAN. RESTRICTION TO THIS WILL BE PROPERTY LINES OR OBSTRUCTIONS. ALL ATTACHMENT FITTINGS SHALL BE HOT-DIPPED GALVANIZED UNLESS STATED OTHERWISE. POLES EMBEDDED IN GROUND AS FOLLOWS: 35' POLE - 6', 40' POLE - 7', 45' POLE - 8'.
- STATE OF LOUISIANA



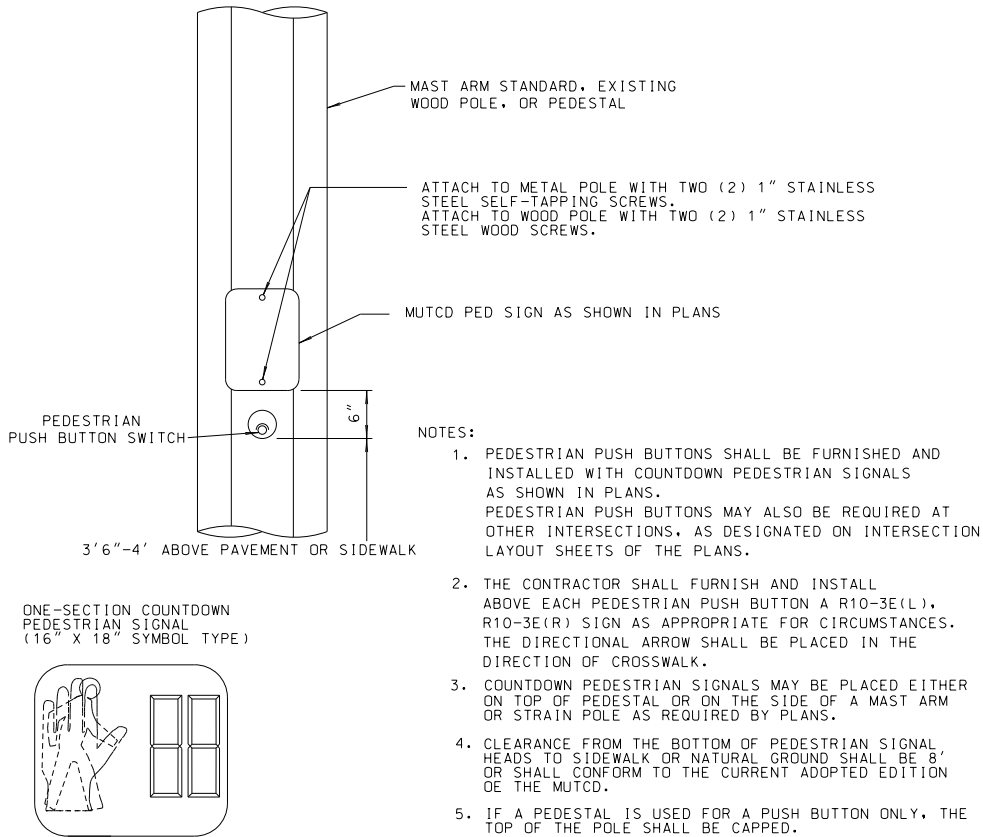
WOOD POLE



METAL POLE (STRAIN OR MAST ARM)

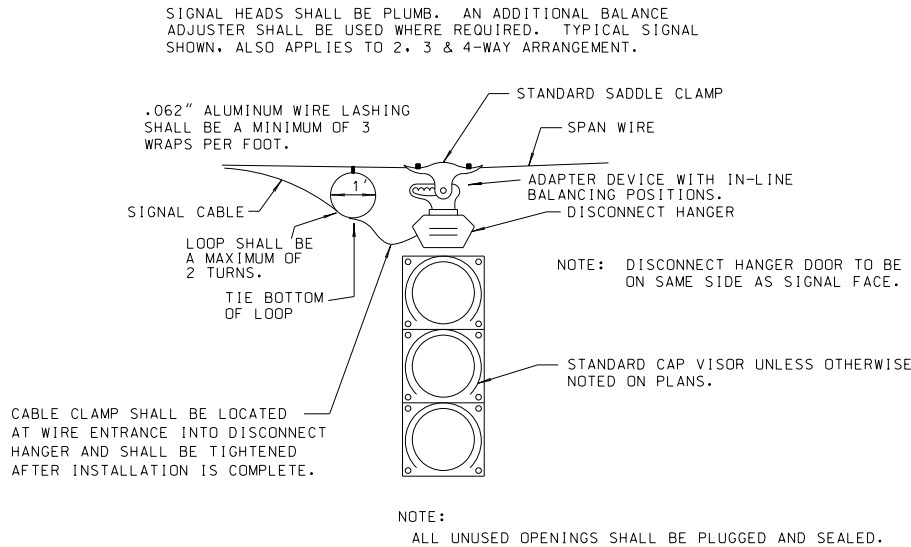


PEDESTRIAN SIGNAL

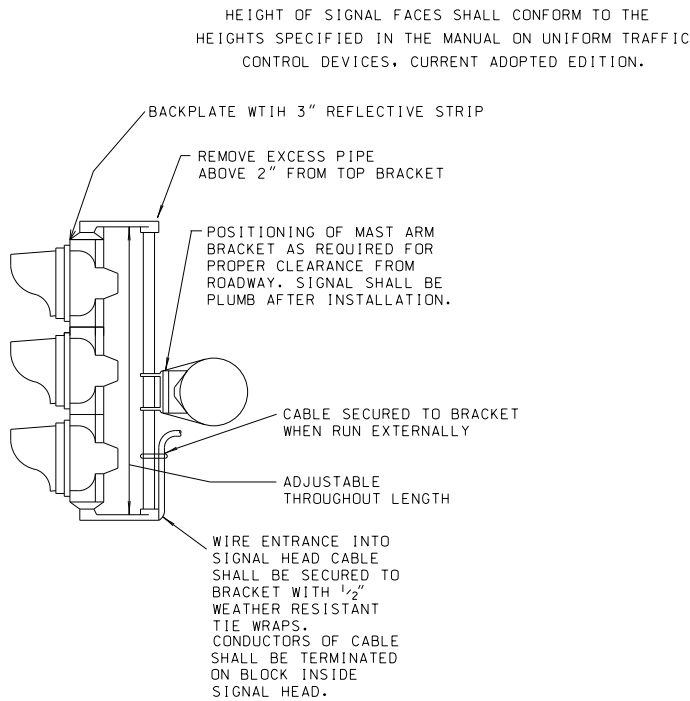


BRACKET MOUNTED TRAFFIC SIGNALS

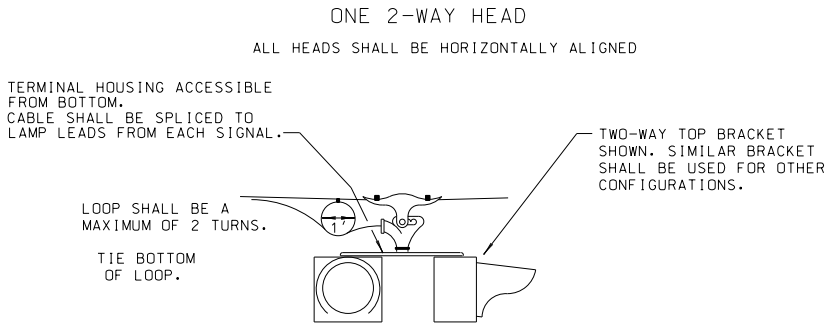
SPAN WIRE SIGNAL MOUNT



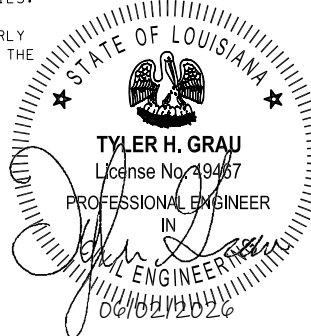
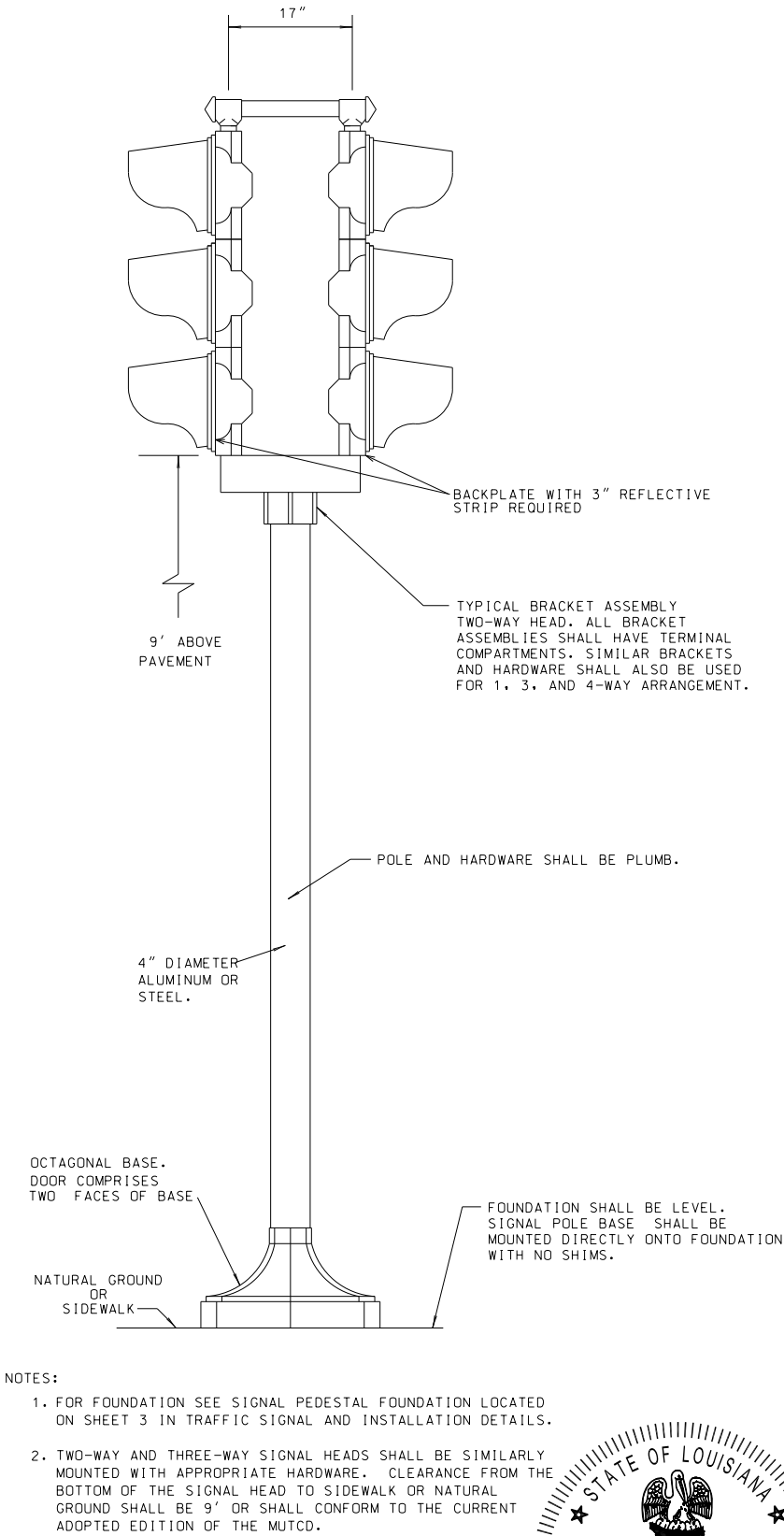
MAST ARM SIGNAL MOUNT



SPAN WIRE FLASHING BEACON MOUNT



PEDESTAL MOUNTED SIGNAL INSTALLATION



SHEET NUMBER		206	
DESIGN		S. MCCARROLL	
CHECK		D. LORIO	
DETAIL		S. MCCARROLL	
CHECK		L. WANG	
REVIEW			
SERIES #		9 OF 14	
STATE PROJECT			
APPROVED BY CHIEF ENGINEER:			
			
DATE: Oct. 1, 2025			

[illegible]

S.S. HEX. HEAD MACHINE BOLT WITH
S.S. FLAT WASHER AND S.S. LOCK
WASHER.

MALLEABLE IRON NEST BACK

MALLEABLE IRON CLAMP

CONDUIT

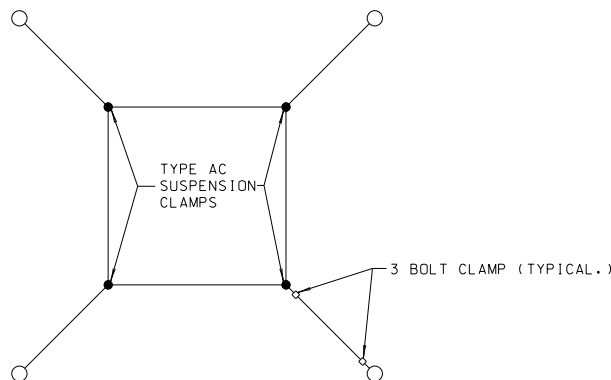
MALLEABLE IRON CLAMP BACK

MASONRY ANCHOR:
PLATED ALLOY STEEL WITH
PRE-ASSEMBLED EXPANDER PLUG
(USE FLAT WASHER AND HEX. NUTS
FOR STEEL).

NOTES:

1. CLAMP, CLAMP BACK AND NEST
BACK SHALL BE PRODUCTS OF THE
SAME MANUFACTURER.
2. FLANGES OF STEEL BEAMS SHALL
NOT BE DRILLED.
3. 5'-0" MAX. SPACING.
4. BOLT SCHEDULE:
 $\frac{3}{4}$ " & 1" CLAMPS— — — 1/4" n BOLTS
1-1/4" & 1-1/2" CLAMPS— — 3/8" n BOLTS
2" & LARGER CLAMPS— — 1/2" n BOLTS

ALSO USED ON BRIDLE SPAN INSTALLATION



3 BOLT CLAMP

6" MAX.

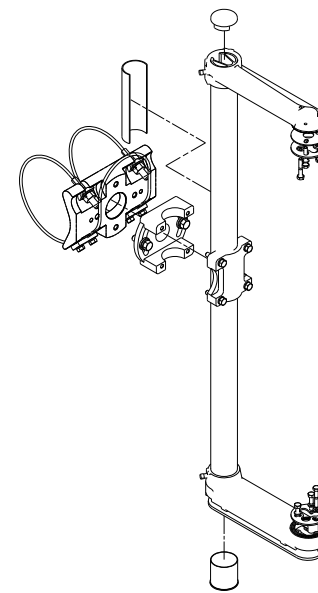
CABLE THIMBLE

NOTES:

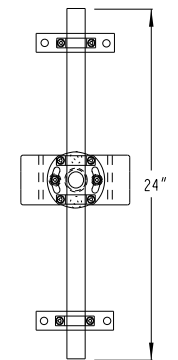
1. TYPE AC BE CAPABLE OF SUPPORTING THE LOAD OF THE SUSPENDED STRUCTURE.
2. CABLE SH

- NOTES:
1. TYPE AC SUSPENSION CLAMPS SHALL BE CAPABLE OF WITHSTANDING A TENSILE LOAD OF 25,000 POUNDS AND SHALL BE GROOVED FOR $\frac{3}{8}$ " CABLE. TYPE AC SUSPENSION CLAMPS SHALL BE USED FOR ALL SUSPENDED BOX INSTALLATIONS.
 2. CABLE SHALL HAVE 3' OF SPARE CABLE FORMED AS A LOOP ON EACH SIDE OF CLAMP.

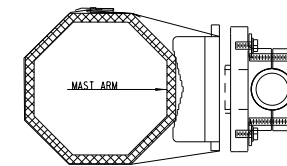
SIGNAL- ISOMETRIC VIEW



SIGN - FRONT VIEW



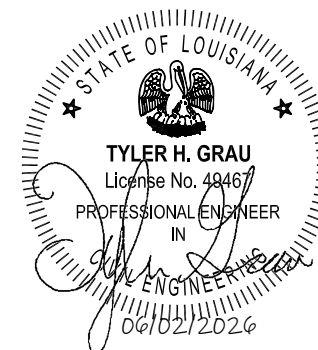
SIGN - SIDE VIEW



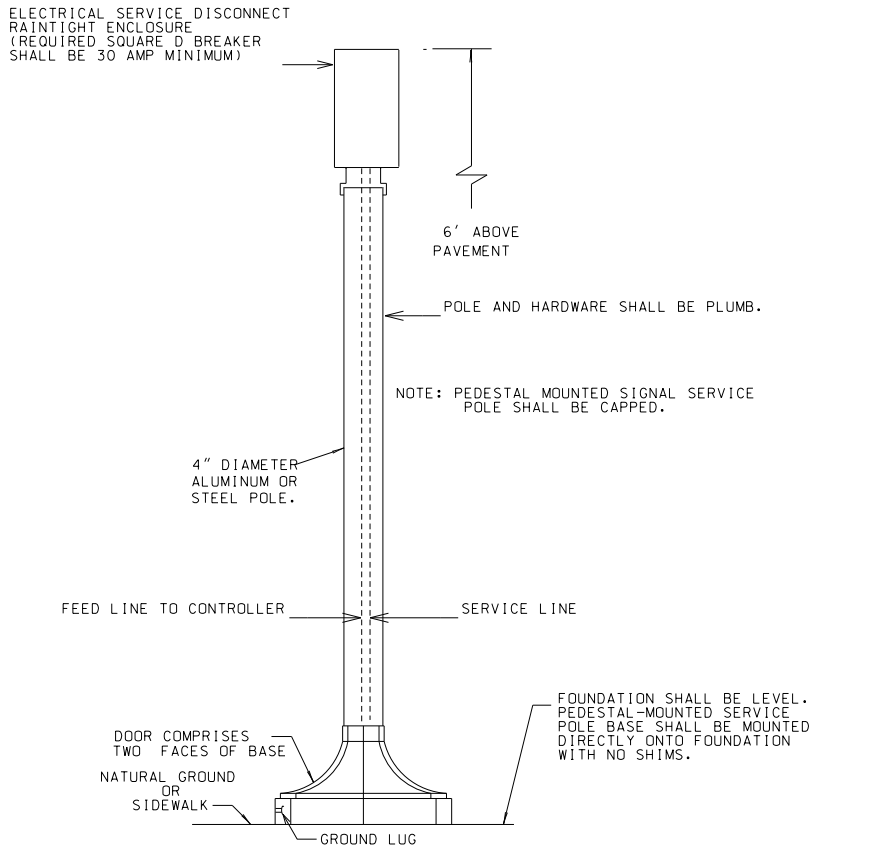
- NOTE:
1. BRACKETS SHALL UTILIZE A STRANDED CABLE TO ATTACH BRACKET TO ARM.
 2. ATTACHMENTS SHALL BE ADJUSTABLE TO PLUMB.
 3. ADDITIONAL SIGN BACKING MAY BE REQUIRED FOR SIGNS LARGER THAN 36". APPROVAL OF PROJECT ENGINEER REQUIRED PRIOR TO INSTALLATION.

[illegible]

- NOTES:
1. ALL MATERIAL FOR DEVICES SHOWN SHALL BE CAST ALUMINUM CONSTRUCTION WITH COATING TO PREVENT OXIDATION.
 2. SIGN MOUNTING BRACKET PRE-DRILLED WITH $\frac{1}{2}$ " HOLES (SEE DRAWING).
 3. BOTTOM OF SIGN SHALL BE WEIGHTED WITH STEEL BAR PAINTED TO RESIST CORROSION. BRACKET AND WEIGHT SHALL BE ATTACHED TO SIGN WITH HDG OR STAINLESS STEEL $\frac{3}{8}$ " BOLTS, WASHERS, AND NUTS.
 4. SPAN WIRE SADDLE SHALL BE DESIGNED TO FIT A CABLE RANGE OF $\frac{3}{8}$ " - $\frac{1}{2}$ ".
 5. BRACKET SHALL BE INSTALLED SO THAT THE SIGN IS PLUMB AND PERPENDICULAR TO THE DRIVERS LINE OF VIEW.



PEDESTAL-MOUNTED
SIGNAL SERVICE POLE INSTALLATION

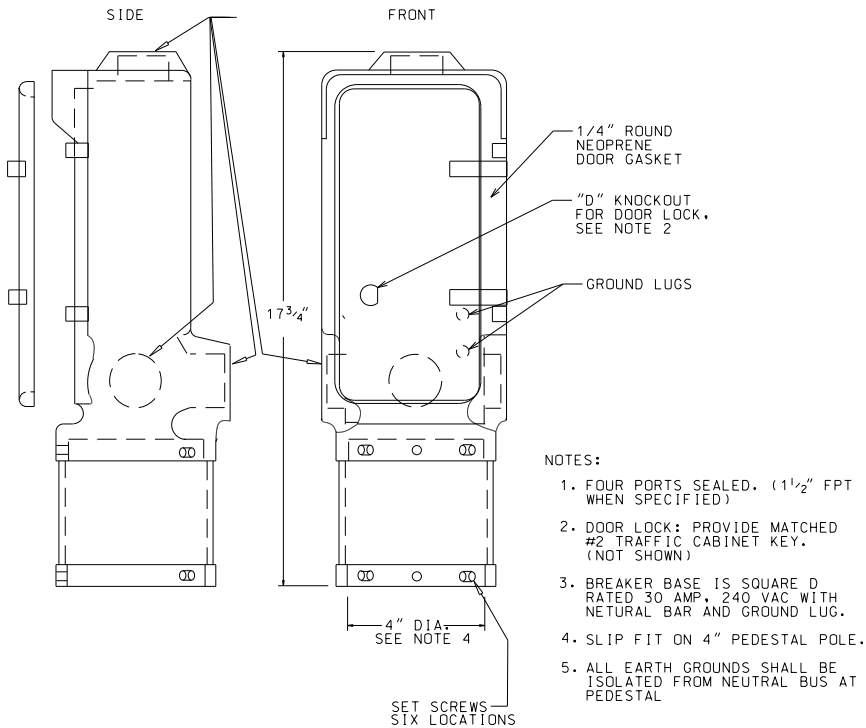


(FOR FOUNDATION USE STANDARD DETAIL FOR SIGNAL PEDESTAL FOUNDATION)

NOTES:

1. UNDERGROUND CONDUIT SHALL BE INSTALLED IN A STRAIGHT LINE FROM START TO FINISH. ANY DEVIATION FROM A STRAIGHT LINE WILL REQUIRE PRIOR APPROVAL BY THE PROJECT ENGINEER.
2. THE CONTRACTOR SHALL NOT RECEIVE DIRECT PAY FOR VERTICAL RUN AT THE START AND FINISH POINTS AS WELL AS ADDITIONAL CONDUIT DUE TO A DEVIATION FROM A STRAIGHT LINE INSTALLATION.
3. ALL CONCRETE SHALL BE "CLASS A" IN ACCORDANCE WITH SECT. 901 OF THE STD. SPEC'S.
4. ALL SERVICE POLES SHALL BE GROUNDED WITH #6 AWG BARE SOLID GROUNDING WIRE.
5. INSTALL NEW GROUND ROD. CONNECT GROUND ROD TO SIGNAL PEDESTAL BY NEW GROUND WIRE.
6. SERVICE SHALL BE 120/240 V. AC AND WIRED WITH THHN-THWN OR XHHW #6 AWG, TWO BLACKS, AND ONE WHITE NEUTRAL, 3 CONDUCTOR, CONCENTRIC CABLE SHALL BE INSTALLED WHERE SERVICE WILL ATTACH TO OR ENTER STEEL SIGNAL POLE.
7. SERVICE CONDUCTORS SHALL BE RUN IN A SEPARATE CONDUIT TO CONTROLLER BASE.
8. ALL EXPOSED METAL SHALL BE PAINTED AS PER LADOTD STANDARD SPECIFICATIONS.

ELECTRICAL SERVICE DISCONNECT
RAINTIGHT ENCLOSURE FOR
PEDESTAL MOUNTED SIGNAL SERVICE POLE



NOTES:

1. FOUR PORTS SEALED. (1 1/2" FPT WHEN SPECIFIED)
2. DOOR LOCK: PROVIDE MATCHED #2 TRAFFIC CABINET KEY. (NOT SHOWN)
3. BREAKER BASE IS SQUARE D RATED 30 AMP, 240 VAC WITH NATURAL BAR AND GROUND LUG.
4. SLIP FIT ON 4" PEDESTAL POLE.
5. ALL EARTH GROUNDS SHALL BE ISOLATED FROM NEUTRAL BUS AT PEDESTAL

WIRING FOR FLASHING BEACON

HEADS SHALL BE WIRED FOR A SIMULTANEOUS FLASH FOR EACH APPROACH.
NO SPARE CONDUCTORS REQUIRED
RED - FLASH CIRCUIT #1
BLACK - FLASH CIRCUIT #2
WHITE - AC COMMON
GREEN - CASE GROUND

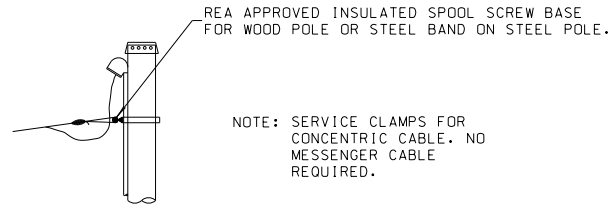
WIRING DETAIL FOR TRAFFIC SIGNAL
HEADS & HANGERS

INDICATIONS	TERMINAL BLOCK		2-6 CONDUCTOR CABLES		1-10 CONDUCTOR CABLE	
	1	2	1	2	1	2
HEAD 1	GREEN	2	GREEN	CABLE 1	GREEN	
	AMBER	3	YELLOW	CABLE 1	YELLOW	
HEAD 2	RED	4	RED	CABLE 1	RED	
	GREEN	5	GREEN	CABLE 2	G/BLACK	
	AMBER	6	YELLOW	CABLE 2	Y/BLACK	
	RED	7	RED	CABLE 2	R/BLACK	
	COMMON	8	WHITE	CABLE 1 & 2	WHITE	
	GREEN ARROW	9	BLACK	CABLE 1	BLACK	
	AMBER ARROW	10	BLACK	CABLE 2	W/ BLACK	
		11				
CASE GROUND		12	BLUE	CABLE 1 & 2	BLUE	

NOTE: EIGHTEEN CIRCUIT DISCONNECT HANGERS SHALL BE SIMILARLY WIRED WITH SOLID INDICATIONS WIRED FIRST FOLLOWED BY ARROW INDICATIONS. ON SPAN MOUNTED SIGNAL INSTALLATIONS, ALL BULBS SHALL BE INDIVIDUALLY WIRED FROM CONTROLLER. ALL CABLES SHALL BE CONTINUOUS RUN WITHOUT SPLICES EXCEPT AS SHOWN FOR MAST ARM INSTALLATIONS AT DISCONNECT HANGERS SHOWN ON PLANS OR WHERE JUNCTIONS ARE SHOWN ON THE PLANS. ALL WIRES SHALL BE TERMINATED IN HANGER. CONDUCTORS THAT ARE UNUSED IN SIGNAL THAT DO NOT HAVE INDICATIONS SHOWN ABOVE SHALL BE SPARE CONDUCTORS AND SHALL NOT BE USED. THE HARNESS FROM THE SIGNAL TERMINAL BLOCK SHALL BE WIRED IN ACCORDANCE TO THE ABOVE TABLE. UNUSED CONDUCTORS SHALL BE BONELESS IN HEAD WITH ENDS TAPED TO PREVENT GROUNDING TO CASES.

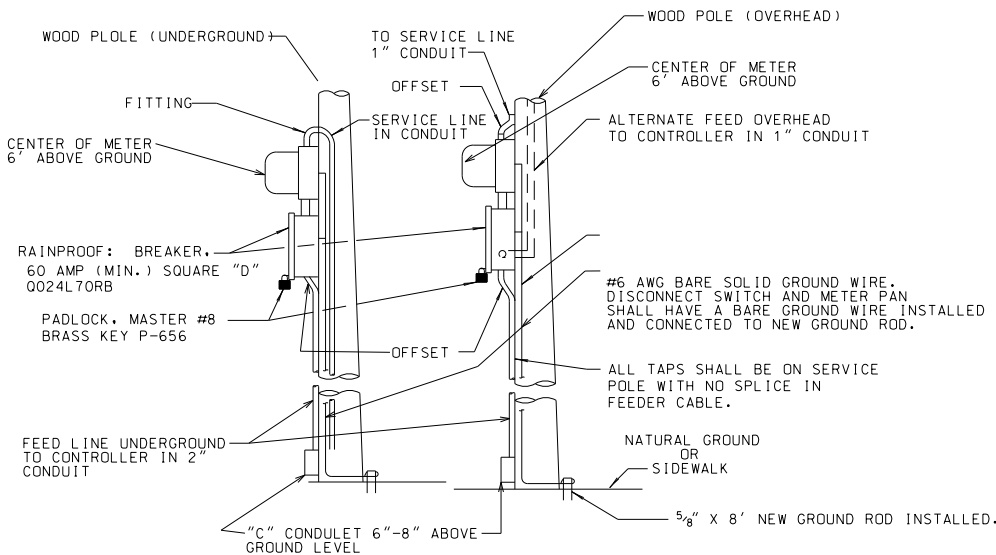
OVERHEAD SERVICE TO CONTROLLER

(AS CALLED FOR IN THE PLANS OR APPROVED BY PROJECT ENGINEER)



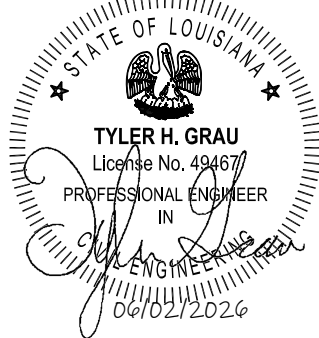
TYPICAL ELECTRICAL SERVICE

(BREAKER SIZED ACCORDING TO THE LOAD WITH MINIMUM BREAKER SIZE OF 60 AMP)



NOTES:

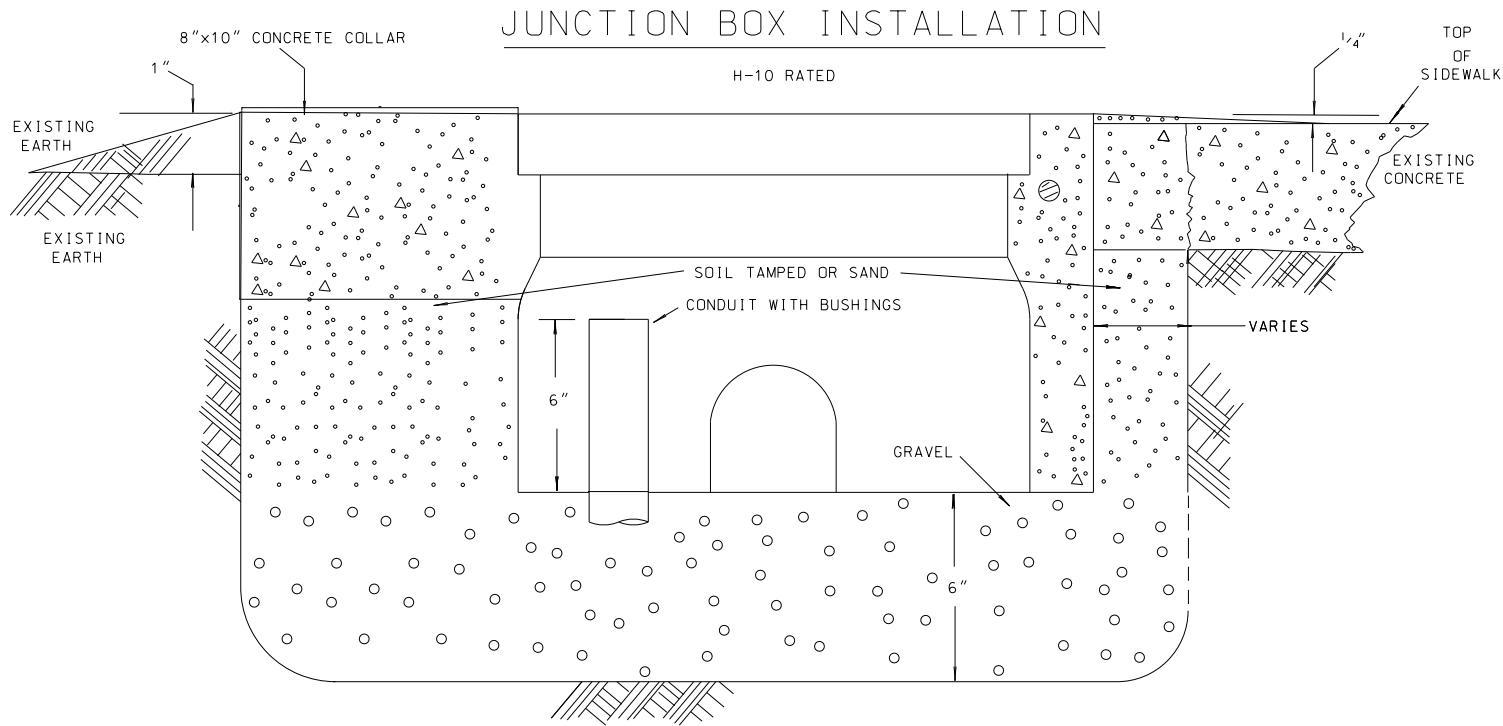
1. UNDERGROUND CONDUIT SHALL BE INSTALLED IN A STRAIGHT LINE FROM START TO FINISH. ANY DEVIATION FROM A STRAIGHT LINE WILL REQUIRE PRIOR APPROVAL BY THE PROJECT ENGINEER.
2. ALL SERVICE POLES SHALL BE GROUNDED WITH #6 AWG BARE SOLID GROUNDING WIRE.
3. INSTALL NEW GROUND ROD AND WIRE.
4. SERVICE SHALL BE 120/240 V. AC AND WIRED WITH THHN-THWN OR XHHW #6 AWG, TWO BLACKS, AND ONE WHITE NEUTRAL, 3 CONDUCTOR, CONCENTRIC CABLE SHALL BE INSTALLED WHERE SERVICE WILL ATTACH TO OR ENTER STEEL SIGNAL POLE.
5. SERVICE CONDUCTORS SHALL BE RUN IN A SEPARATE CONDUIT TO CONTROLLER BASE.
6. CONDUIT STRAPS SHALL BE 2 HOLE, HEAVY DUTY AND SHALL BE INSTALLED BEGINNING AT FITTING OFFSET OR COUPLING, SPACED AT 5' INTERVALS MAXIMUM ON EACH SIDE OF CONDULETS AND ADJACENT TO CABINET. 1/4" x 3" HDG LAG SCREWS SHALL BE USED ON STRAPS.
7. ALL EQUIPMENT SHALL BE ATTACHED TO POLE WITH HDG LAG SCREWS.
8. AN ELECTRICAL SERVICE SHALL NEVER BE BUILT ON A MAST ARM OR STRAIN POLE.



SHEET NUMBER	208				
DESIGN	CHECK	DETAIL	REVIEW	SERIES	11 OF 14
S. MCCARROLL	D. LORIO	S. MCCARROLL	L. WANG		
PARISH	CONTROL SECTION	STATE PROJECT			
APPROVED BY CHIEF ENGINEER: [Signature] DATE: Oct 1, 2025					
REVISION OR CHANGE ORDER DESCRIPTION					
NO. DATE					
TRAFFIC SIGNAL DETAILS					
ELECTRICAL SERVICE AND WIRING DETAILS					
TSD-10					
STANDARD PLAN					

11:5:

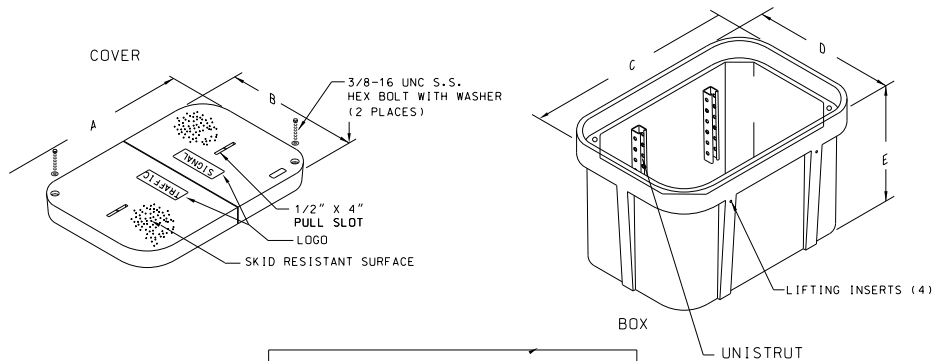
9/3/2025



NOTE FOR ALL JUNCTION BOXES:

1. TOP OF BOX TO EXTEND 1/4" ABOVE EXISTING SIDEWALK WITH NEW SIDEWALK SLOPED UP TO TOP OF BOX.
2. DO NOT PLACE JUNCTION BOXES IN THE TRAVELED WAY OR ON SHOULDERS.
3. PROVIDE 8" X 10" CONCRETE COLLARS EXCEPT WITHIN CONCRETE PAVED AREAS. CONCRETE COLLARS SHALL BE PROVIDED AROUND THE TOP PERIMETER OF JUNCTION BOX. CONCRETE COLLARS SHALL BE PAID FOR UNDER THE JUNCTION BOX PAY ITEM.

JUNCTION BOX



TYPE	DIMENSION (IN.) (APPROX.)				
BOX	A	B	C	D	E
E	23 ³ / ₄	13 ³ / ₄	25	15 ¹ / ₂	12
F	30 ¹ / ₂	17 ¹ / ₂	32 ¹ / ₄	19 ¹ / ₄	12
G	35 ⁵ / ₈	24	37 ⁵ / ₈	26	18
H	35 ⁵ / ₈	24	37 ⁵ / ₈	26	36
I	47 ⁵ / ₈	30 ¹ / ₈	49 ⁵ / ₈	32 ¹ / ₈	18
J	47 ⁵ / ₈	30 ¹ / ₈	49 ⁵ / ₈	32 ¹ / ₈	36

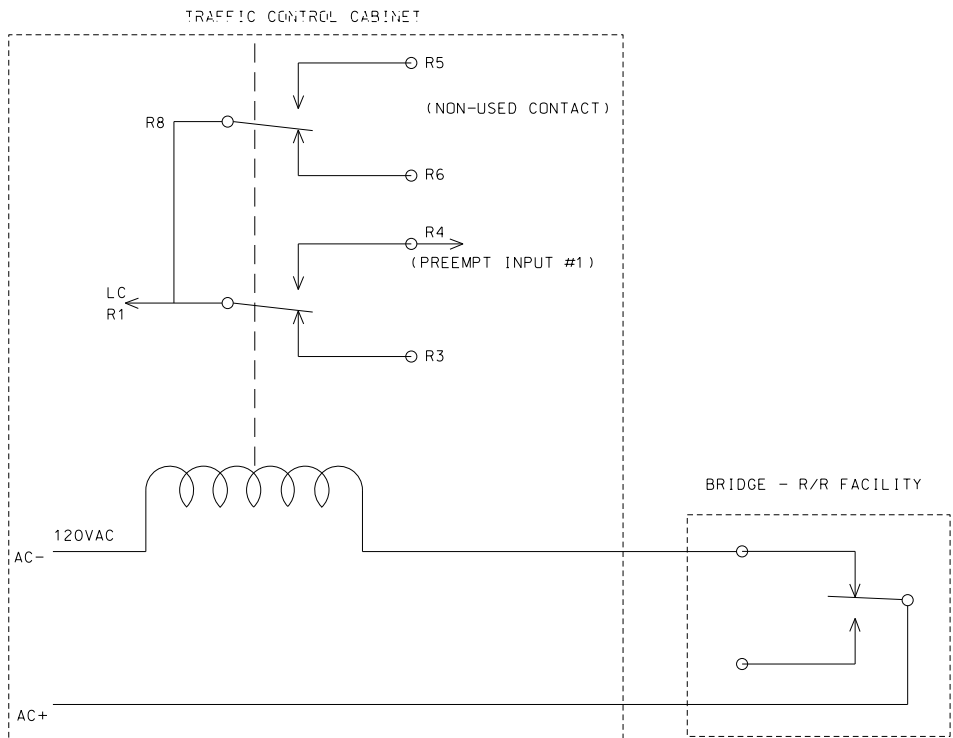
NOTE FOR ALL JUNCTION BOXES:

1. JUNCTION BOX SHALL BE AN APPROVED PRODUCT LISTED ON THE TRAFFIC OPERATIONS APPROVED PRODUCT LIST (TOAPL) USE THE TYPE JUNCTION BOX SHOWN IN PLANS.
2. A MINIMUM OF 6" OF SPARE SIGNAL, LOOP LEAD-IN, 6PR, AND SERVICE CABLE SHALL BE INSTALLED IN EACH JUNCTION BOX.
3. "TRAFFIC SIGNAL" SHALL BE IMPRINTED ON THE JUNCTION BOX BY THE MANUFACTURER.

* NOTE FOR TYPE G, H, I AND J JUNCTION BOXES:

1. TWO PIECE COVER.
2. TWO PIECES OF UNISTRUT MOUNTED ON INSIDE WALL.
3. LIFTING INSERTS ON OUTSIDE OF BOX.
4. PROJECTS WITH FIBER OPTIC COMMUNICATION: INSTALL A MINIMUM OF 50' SPARE FIBER IN TYPE "GG" AND 100' SPARE FIBER IN LARGER JUNCTION BOXES.

BRIDGE/RAILROAD PREEMPTION



NOTE:

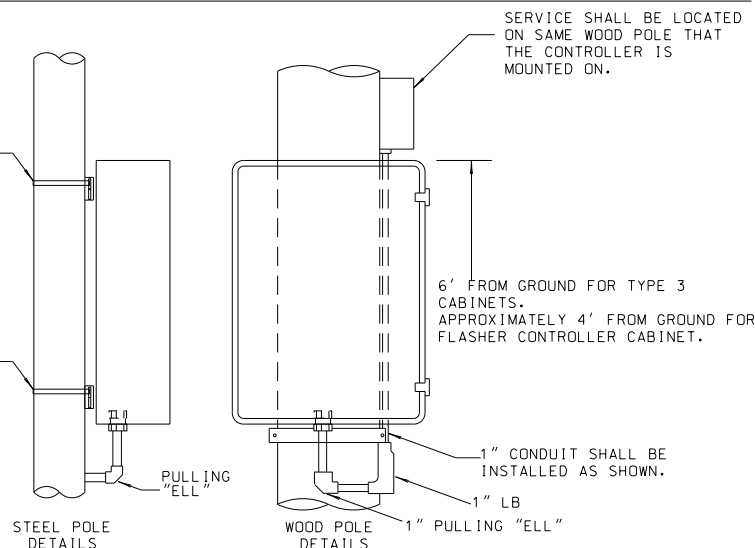
1. RELAYS SHOWN IN NORMAL (NON-PREEMPT) CONDITION
2. PREEMPT RELAY - 2 POLE DOUBLE THROW
3. LC = LOGIC GROUND



SHEET NUMBER	209
DESIGN	S. MCCARROLL
CHECK	D. LORIO
DETAIL	S. MCCARROLL
CHECK	L. WANG
REVIEW	13 OF 14
DATE	Oct. 1, 2025
BY	
REVISION OR CHANGE ORDER DESCRIPTION	
NO.	
DATE	
STATE OF LOUISIANA	
TRAFFIC SIGNAL DETAILS	
JUNCTION BOX AND PULL BOX	
TSD-12	
STANDARD PLAN	

9/3/2025

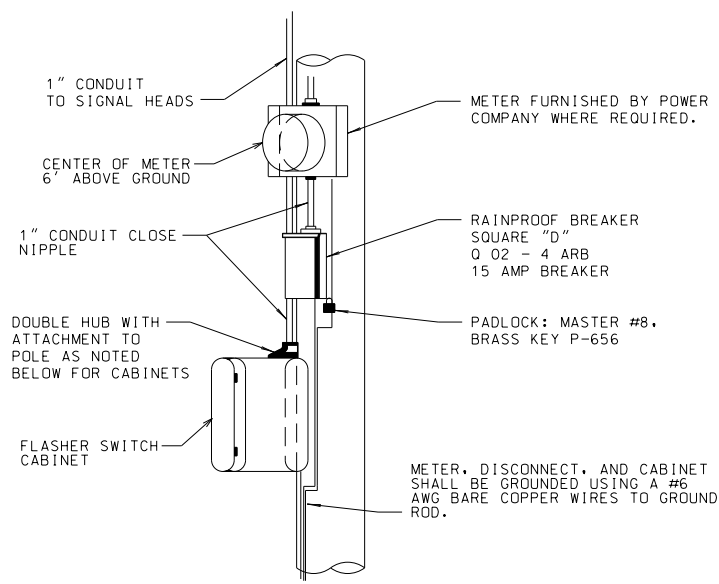
CABINET BRACKET AND
3/4 INCH STAINLESS
STEEL BANDING MATERIAL.
(FLASHER CABINET AND
POLE MOUNTED SIGNAL
CABINET)



- NOTES:
1. WIRE ENTRY INTO CABINET FROM STEEL POLE SHALL BE THROUGH BOSSES PROVIDED ON POLE. PULLING ELLS SHALL BE USED FOR SIGNAL CIRCUIT AND SERVICE CONDUIT. A MYERS HUB ATTACHMENT ON BOTTOM OF CABINET SHALL BE USED FOR SIGNAL CIRCUIT CONDUIT. A MYERS HUB SHALL BE INSTALLED ON CABINET FOR SERVICE ENTRANCE.
 2. ALL SERVICE DISCONNECTS SHALL BE LOCATED ON THE CLOSEST WOOD POLE AVAILABLE FOR SERVICE.
 3. TOP AND BOTTOM OF CABINET SHALL BE ATTACHED TO WOOD POLES USING BRACKETS MOUNTED WITH CONDUIT HUBS, STANDARD BRACKET, AND ATTACHED TO POLE WITH $\frac{1}{2}$ " X 4" HDG LAG SCREWS.
 4. CONDUIT FOR SIGNAL CIRCUIT SHALL BE 3".
 5. POLE MOUNTED SIGNAL CABINET: A 3' X 5' X 4" CONCRETE PAD SHALL BE POURED NEXT TO THE CONTROLLER CABINET POLE AND SHALL BE ABOVE GROUND LEVEL.
 6. USE A #6 AWG BARE GROUND WIRE TO ATTACH CABINET TO GROUND ROD.
 7. ALL GROUND RODS, REGARDLESS OF FOUNDATION SIZE SHALL PROTRUDE THROUGH THE FOUNDATION AND A MINIMUM OF 4' SHALL BE EMBEDDED INTO THE EARTH.

(6½" x 12" x 16")

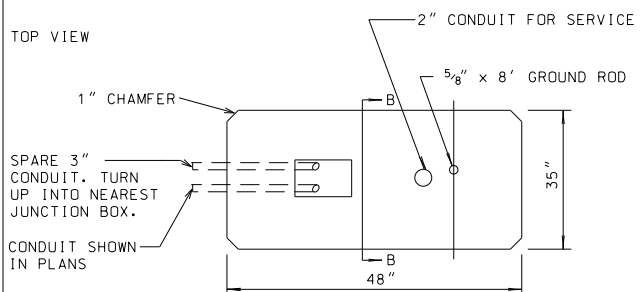
NOTE: USED FOR FLASHING HAZARD BEACONS AND CONTINUOUS FLASHING SIGNS. THIS ITEM SHALL BE INCLUSIVE WITH ELECTRICAL SERVICE.



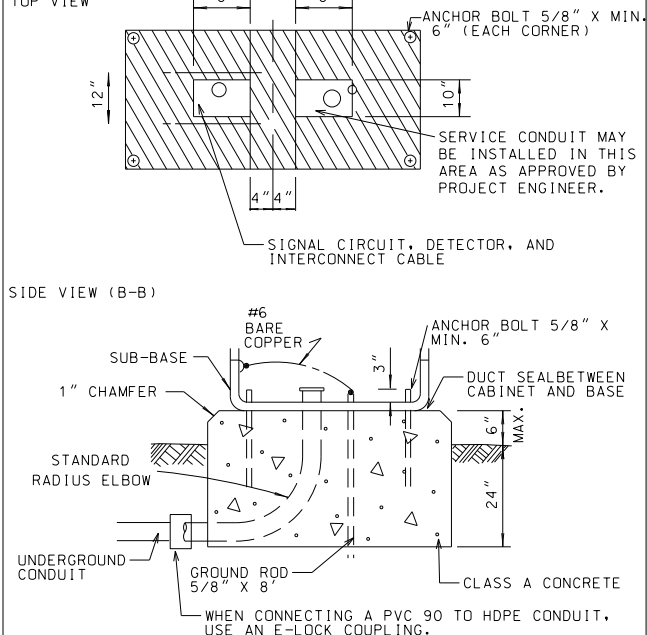
NOTE: ALL EQUIPMENT SHALL BE ATTACHED
TO POLE WITH HDG LAG SCREWS.

FOR TYPE 5, 6, AND 7 CABINETS (SEE LADOTD TCS# 18)

SPARE 3" _____
CONDUIT. TURN
UP INTO NEAREST
JUNCTION BOX.



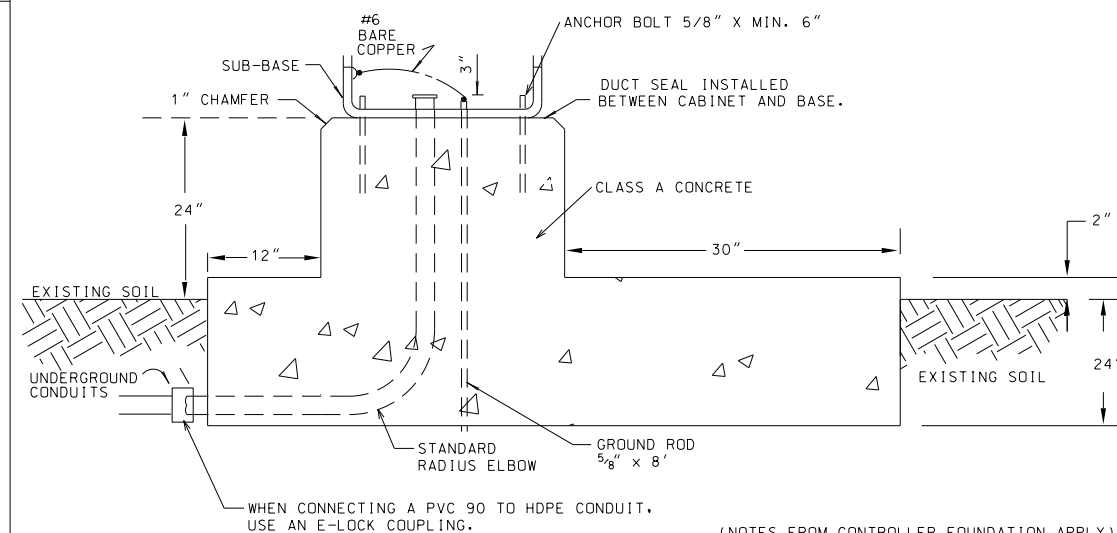
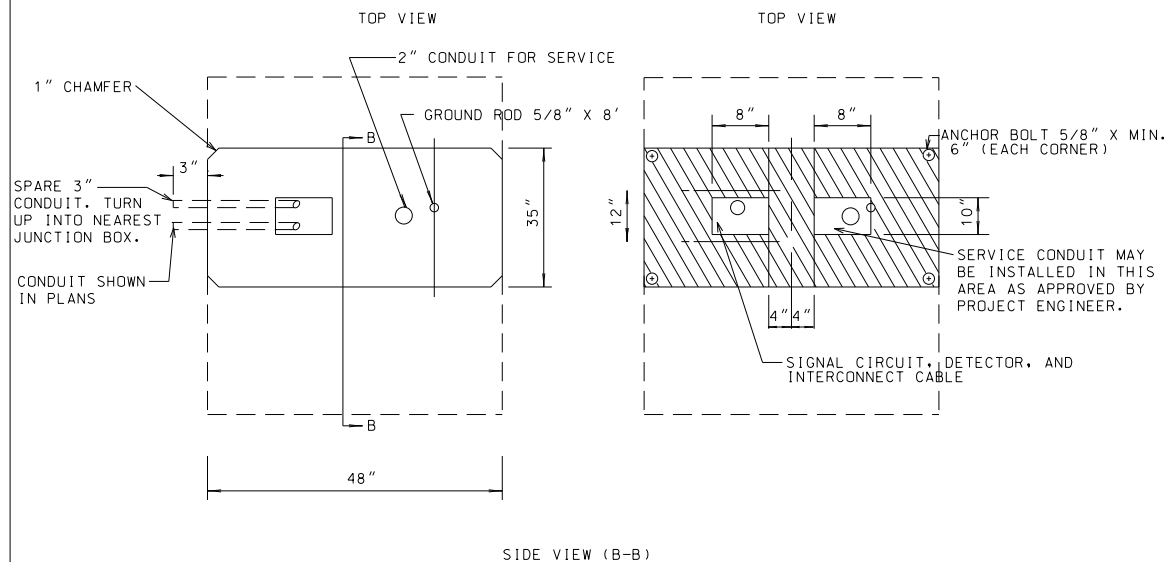
SIDE VIEW (B-B)



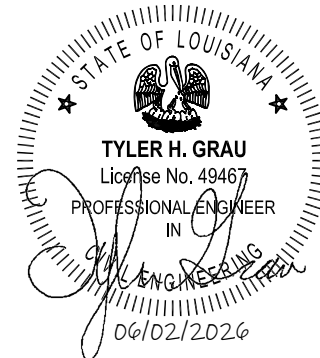
1. ALL GROUND MOUNTED CONTROLLERS SHALL HAVE A SPARE 3" CONDUIT RAN 24" BELOW GRADE TO JUNCTION BOX.
2. ALL EXPOSED CONCRETE EDGES SHALL HAVE A 1" CHAMFER.
3. ALL CONDUIT, GROUND ROD AND ANCHOR BOLTS SHALL PROTRUDE 2 3/4 " MIN. - 3" MAX. ABOVE FINISHED FOUNDATION.
4. FOUNDATION SHALL BE ORIENTED SO THAT THE DOOR IS FACING AWAY FROM TRAFFIC.
5. A #6 BARE SOLID COPPER WIRE SHALL BE REQUIRED TO CONNECT BETWEEN GROUND ROD AND GROUND LUG ON PANEL.

FOR TYPE 6E CABINETS (SEE LADOTD TCS# 18)

SPARE 3" ———→
CONDUIT. TURN
UP INTO NEAREST
JUNCTION BOX.



(NOTES FROM CONTROLLER FOUNDATION APPLY)



APPROVED BY CHIEF ENGINEER:

Oct. 1, 2025

RY

REVISION OR CHANGE ORDER DESCRIPTION

NO.	DATE
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TSD-13



TRAFFIC SIGNAL DETAILS

CONTROLLER MOUNTING AND
FOUNDATION DETAILS

STANDARD
PLAN

GENERAL PROVISIONS

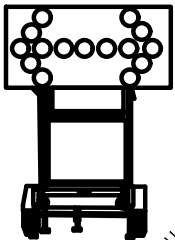
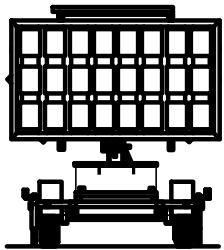
- 1) Guidance portions of the MUTCD shall be followed unless otherwise noted in an EDSM, The Traffic Engineering Manual, Traffic Signal Manual, Sign Manual, Pavement Marking Manual, or other Traffic Engineering policy requirements.
- 2) All temporary traffic control (TTC) devices used shall be in accordance with the Louisiana Standard Specifications for Roads and Bridges, the MUTCD, and shall meet MASH requirements for Test Level 3 devices or if not covered by MASH by using the NCHRP Report 350 where applicable.
- 3) Materials used for TTC shall be in accordance with the Louisiana Standard Specifications for Roads and Bridges and, when applicable, the LADOTD AML.
- 4) Placement of TTC devices shall not commence without the approval of the Engineer and until work is about to begin, unless they are covered.
- 5) No lane closures, lane shifts, diversions, or detours shall occur without the approval of the Engineer.
- 6) Responsibility is hereby placed upon the contractor for the installation, maintenance, and operation of all TTC devices called for in these plans or required by the Engineer for the protection of the traveling public as well as all LADOTD and construction personnel.
- 7) The contractor shall also be responsible for the maintenance of all permanent signs, pavement markings, and traffic signals left in place as essential to the safe movement and guidance of traffic within the project limits unless noted in the plans.
- 8) The DTOE shall serve as a technical advisor to the Engineer for all traffic control matters.
- 9) The Chief Construction Engineer or his appointed designee shall approve all signs and situations not addressed in the plans based on the recommendations of the Project Engineer and the DTOE. All changes shall be noted in all project traffic control diaries.
- 10) The Chief Construction Engineer or his appointed designee shall approve all design speeds of diversions or shifts, if it differs from design plans, based on the recommendations of the Project Engineer and the DTOE.
- 11) All temporary traffic control plans shall comply with the Transportation Management Plan.
- 12) Any additional signs shown in the MUTCD and required by the Engineer shall be installed under Item 713-01-00100.
- 13) Neither work activity nor storage of equipment, vehicles, TMAs, or materials shall occur within the buffer space.
- 14) When a work area has been established on one side of the roadway only, there shall be no conflicting operations or parking on the opposite shoulder within 500 feet of the work area.
- 15) Parking of vehicles or unattended equipment or storage of materials, within the work zone clear zone shall not be permitted unless protected by guardrail or barriers. If the work zone clear zone is not defined on the plan sheets, the Engineer shall verify.
- 16) Immediately upon removal of existing guardrail, the contractor shall install and maintain a MASH or NCHRP Report 350 approved device to protect the blunt end of the bridge or column until new guardrail is installed. After removal of the existing guardrail, new guardrail should be installed within seven (7) days. If utilized, a TMA is allowed for a maximum of 72 hours.
- 17) All costs associated with temporary crash devices are to be included under the appropriate pay item.
- 18) Sight distance should be considered when placing traffic control devices.
- 19) On all mainline Interstates, a minimum of 1.5 feet of paved shoulder on the left and right side shall be maintained at all times.
- 20) On interstates, NHS routes, truck routes, or roads with more than 5000 ADT and 15% truck traffic a minimum of 11 foot lanes shall be maintained, unless the existing typical section prevents this. On all other roadways, a 10 foot minimum travel lane should be maintained where practical.
- 21) TTC Standards are not drawn to scale.
- 22) The contractor shall develop an internal traffic control plan approved by the Engineer prior to each phase.
- 23) Truck restrictions such as (but not limited to) restricting lanes, oversize loads, or times of travel may be required for narrow lanes or other field conditions.
- 24) Temporary concrete barrier shall be placed on a paved surface. This paved surface should follow current design criteria used for paved embankment widening for guardrails.
- 25) Flare rates for temporary concrete barriers should follow the most current guidance in the AASHTO Roadside Design Guide.
- 26) Shoulders used for traffic shifts must be capable of supporting freight; otherwise a detour will be required.

PAVEMENT MARKINGS (see AML)

- 27) All pavement markings within the limits of the project or adjacent to the project limits that are in conflict with the project signing or the required traffic movements shall be removed from the pavement by blast cleaning or grinding. (Existing striping shall not be painted over with black paint or covered with tape.)
- 28) If special pavement markings are needed they shall be reflectorized, removable, and accompanied by the proper signage.
- 29) Temporary Raised Pavement Markers may be added to supplement temporary striping in areas of transition, in tapers, in diversions, and in other areas of need as shown in the plans or as directed by the Engineer.
- 30) Temporary markings installed in the permanent configuration shall comply with LADOTD pavement marking standard plans, MUTCD and/or the permanent striping plans.

PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS)

- 31) PCMS shall be used on all Interstate Highways. PCMS shall be used on all other roadways (where space is available) with an ADT greater than 20,000.
- 32) When used in advance of a lane closure or a lane shift, the PCMS should be placed on the right hand side of the road a minimum distance of 2 miles in advance of the taper for interstates and to be determined by the Engineer on other highways.
- 33) For interstates and multi-lane highways, if vehicles are queuing beyond the 2 mile PCMS, an additional PCMS should be placed on the right hand side of the road approximately 5 miles in advance of the taper or at the end of the queue, whichever is greater.
- 34) PCMS messages shall be approved by the Engineer. Messages shall be no more than 3 lines and 2 screens.
- 35) Messages shall display only traffic operational, regulatory, warning, and guidance information. PCMS messages shall not display advertising or safety messages. Messages should only convey information concerning the problem/situation, location, and recommended driver action.
- 36) PCMS should be placed as far from the traveled lane as possible. They shall be shielded by guardrail or barriers. If this is not possible they shall be delineated with a minimum 3 drum taper spaced at 20ft with a 4th drum alongside the PCMS.
- 37) If the PCMS encroaches on the improved shoulder then the contractor shall install a shoulder closure.
- 38) When the PCMS is not displaying a work zone appropriate message pertaining to the ongoing construction project it shall be shielded by guard rail or barriers, or removed from the work zone clear zone.



ALL TTC STANDARDS SHOW MINIMUM CONSTRUCTION SIGNING.
ALL SITUATIONS SHALL BE REVIEWED AND/OR DESIGNED BY THE ENGINEER.
CONTRACTORS ARE RESPONSIBLE FOR COMPLYING WITH ALL TTC STANDARDS.

SPEED LIMITS

- 39) The Engineer may approve a 10 mph drop in the speed limit for posted speeds of 45 mph or greater and for any construction, maintenance or utility operation that requires one or more of the following:
- A) The condition of the traveled way is degraded due to milled surfaces or uneven travel lane lines greater than 1.5 inches.
- B) Work is in progress in the immediate vicinity of the travel way requiring lane closures or lane width reductions less than 11 feet.
- C) Workers present on the shoulder within 2 feet of the edge of the traveled way without barrier protection.
- 40) A transition area shall be created to the approved speed that will incrementally step down the speed to what is desired. This reduction will extend only for as long as necessary around the restrictive condition.
- 41) The reduced speed zone shall only apply to those portions of the project limits affected. The Engineer may allow SPEED LIMIT WHEN FLASHING signs to supplement reduced speed zones.
- 42) If the speed limit is reduced, speed limit signs shall be placed:
- A) Beyond major intersections.
- B) At one mile intervals in rural areas.
- C) At half mile intervals in urban areas.
- 43) At the end of the reduced speed zone, a speed limit sign displaying the original speed limit prior to construction shall be installed.

FLASHING ARROW BOARDS

- 46) All Flashing Arrow Boards shall be 4 feet by 8 feet and Type C.
- 47) Flashing Arrow Boards should be placed on the shoulder. When there is no shoulder or median area, the arrow board shall be placed within the closed lane behind the channelizing devices and as close to the beginning of the taper as practical.
- 48) Flashing arrow boards shall be delineated with retroreflective TTC devices.
- 49) At no time shall the arrow board encroach in the traveled way. When Flashing Arrow Board signs are not being used, they shall be shielded by guard rail or barriers, or removed.
- 50) Arrow boards shall only be used for lane reduction tapers and shall not be used for lane shifts.

ABBREVIATIONS

AAS-ITO	American Association of State Highway and Transportation Officials
ADT	Average Daily Traffic
AGC	Associated General Contractors of America
ADA	Americans with Disabilities Act
AML	Approved Materials List
ANSI	American National Standards Institute
ATSSA	American Traffic Safety Services Association
B.C.P.	Beginning of Project
DTOE	District Traffic Operations Engineer
E.C.P.	End of Project
LADOTD	Louisiana Department of Transportation and Development
MASH	AASHTO Manual for Assessing Safety Hardware
MUTCD	Manual on Uniform Traffic Control Devices
NCHRP	National Cooperative Highway Research Program
NHS	National Highway System
PCMS	Portable Changeable Message Sign
PROWAG	Public Rights-of-Way Accessibility Guidelines
TMA	Truck Mounted Attenuator
TMC	Traffic Management Center
TTC	Temporary Traffic Control
TTC Standards	Temporary Traffic Control Standard Plans

SHEET NUMBER		211	
PARISH		CONTROL SECTION	
STATE PROJECT			
DESIGN	G. Dunn	DETAIL	G. Dunn
CHECK	B. Boucher	CHECK	B. Boucher
REVIEW		SERIES #	
APPROVED BY: CHIEF ENGINEER		DATE: 3/11/2026	
General changes and text added			
REVISION OR CHANGE ORDER DESCRIPTION			
BY			
6-12-25			
NO.			
STATE OF LOUISIANA			
TEMPORARY TRAFFIC CONTROL			
GENERAL NOTES SHEET			
TTC-00 (A)			
DOTD			
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT			
STANDARD PLAN			

SIGNS

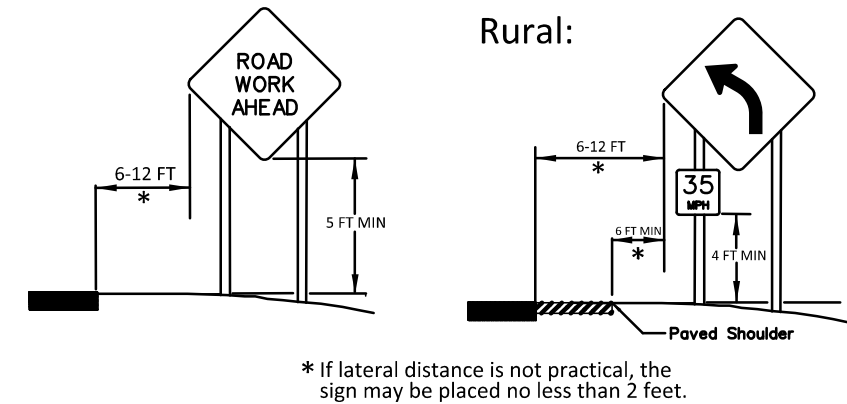
- 1) All signs used for temporary traffic control shall follow the plans, the LADOTD TTC Standards, and the MUTCD.
- 2) Signs shown in the TTC illustrations are typical and may vary with each specific condition.
- 3) One Type B High Intensity light shall be used to supplement the first sign (or pair of signs) that gives warning about a lane closure during nighttime operations.
- 4) Mesh rollup signs shall not be allowed on any project.
- 5) Contractor shall use caution not to damage existing signs which remain in place. Any LADOTD signs damaged by work operations shall be replaced by the contractor under item 713-01-00100.
- 6) All signs (permanent and temporary) shall be removed or completely covered with a strong, lightweight, opaque material when no longer applicable. Burlap is not an acceptable material to cover signs.
- 7) At no time shall signs warning against a particular operation be left in place once the operation has been completed or where the condition has been removed.
- 8) Warning signs used for temporary traffic controls shall meet the following guidelines unless otherwise noted in the plans:
- A) Size shall be 48 inches by 48 inches.

B) See the Louisiana Standard Specifications for Roads and Bridges and the AML for sheeting information.

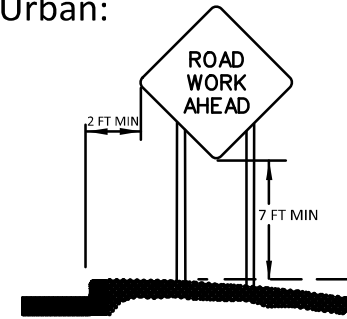
C) Lateral distance of signs shall be a minimum of 6 feet from the edge of shoulder or edge of pavement if no shoulder exists and 2 feet from the back of curb in urban areas (see diagram).
- 9) When portable sign frames are not in use they shall be moved to an area inaccessible to traffic and not visible to the driver.
- 10) Left side mounted signs will not be required for roadways with a center left turn lane and for undivided roadways.
- 11) Vinyl roll up signs and 1 foot portable sign stands may be used if the work zone is in place for 3 days or less. Signs or stands may not be used if there are more than 2 lanes in each direction and if signs do not meet all size, color, retroreflectivity, and NCHRP 350 Report or MASH requirements.
- 12) All signs shall be visible to the drivers (i.e. no obstructions such as on street parking or other traffic control devices shall block the sign).
- 13) On divided highways, signs shall be placed on the right and the left as shown on the TTC standards.
- 14) Sign posts:
- A) Signs measuring 10 square feet or less shall be mounted on 1 rigid post.

B) Signs over 10 square feet shall be mounted on 2 rigid posts.

C) Signs over 20 square feet shall be mounted on at least 3 rigid posts.
- 15) Rigid sign supports shall be driven to a minimum depth of 3 feet. If splicing is required, see Allowable Lap Splice U-channel Post.
- 16) For sign height, see the Rural and Urban diagrams:



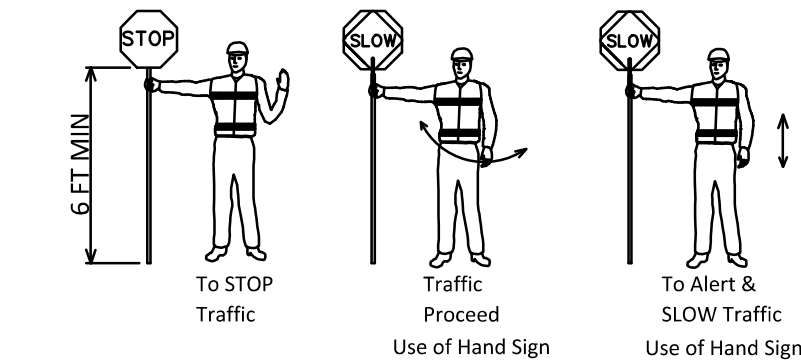
Urban:



LANE CLOSURES

- 17) All proposed lane, road or shoulder closures shall be reviewed by the DTOE and approved by the Engineer.
- 18) Two lane, two-way highways shall have a maximum work area of two miles; all other roadways shall have a four mile maximum work area.
- 19) A queue analysis shall be performed prior to approval of lane closures on all freeways and expressways according to Section 6A.1 of the Traffic Engineering Manual.
- 20) Closure plans and times shall be turned in to the Engineer for review according to the following:
- A) Five working days minimum if traffic control plan has been approved or is contained in the plans.

B) Ten working days minimum and a traffic control plan must be submitted for lane closures not addressed in the plans.
- 21) Weekly updates to the DTOE, Project Engineer, the LADOTD TMC operator, and the regional TMC operator (if applicable) will be required for all ongoing lane closures to update the closure status.
- 22) Daily updates to the DTOE, Project Engineer, and TMC operator (if applicable) will be required for all projects where active closures are in place.
- 23) All flaggers shall be qualified.
- 24) The contractor shall be responsible for training or assuring that all flaggers are qualified to perform flagging duties.
- 25) A Qualified Flagger is one that has completed courses such as those offered by ATSSA or other courses approved by the LADOTD Work Zone Task Force. The contractor shall be responsible for getting the flagger course approved.
- 26) When utilized, a flagger shall use a minimum 18 inch octagonal shape sign on a minimum 6 foot stop/slow paddle and wear ANSI Class 2 Lime Green vest during day time operations and ANSI Class 3 Lime Green ensemble during night operations.
- 27) In all flagging operations, the flagger must be visible from the flagger advance warning sign.
- 28) Flaggers shall not be used on the Interstate.



REFERENCES

33) The contractor shall be responsible for understanding all rules and requirements in the current edition of the following documents:

34) Louisiana Standard Specifications for Roads and Bridges:
<https://www.dotd.la.gov/about/office-of-engineering/publications-and-downloads/specifications-and-standards/specifications/>

35) Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD):
<https://mutcd.fhwa.dot.gov/>

36) LADOTD Approved Materials List (AML) Manual:
<https://www.dotd.la.gov/about/office-of-engineering/materials-and-testing/approved-materials-list-aml/>

37) LADOTD Traffic Engineering Manual:
<http://www.dotd.la.gov/about/office of engineering/traffic engineering/manuals and policies/>

38) National Cooperative Highway Research Program (NCHRP) Report 350: "Guidelines for Work Zones Traffic Control Devices":
http://onlinepubs.trb.org/Onlinepubs/nchrp/nchrp_rpt_350-a.pdf

39) NCHRP Report 475: "A Procedure for Assessing and Planning Nighttime Highway Construction and Maintenance":
https://onlinepubs.trb.org/Onlinepubs/nchrp/nchrp_rpt_475.pdf

40) NCHRP Report 476: "Guidelines for Design and Operation of Nighttime Traffic Control for Highway Maintenance":
https://onlinepubs.trb.org/Onlinepubs/nchrp/nchrp_rpt_476.pdf

41) NCHRP Report 498: "Illumination Guidelines for Nighttime Highway Work":
https://onlinepubs.trb.org/Onlinepubs/nchrp/nchrp_rpt_498.pdf

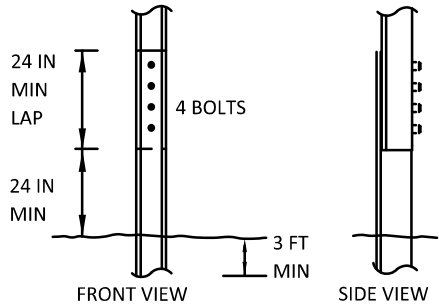
42) U.S. Department of Transportation Federal Highway Administration Traffic Control Handbook for Mobile Operations at Night.
https://rosap.ntl.bts.gov/view/dot/38634/dot_38634_DS1.pdf

43) American Association of State Highway and Transportation Officials (AASHTO) Roadside Design Guide.

44) American Traffic Safety Services Association (ATSSA) Quality Guidelines for Work Zone Traffic Control Devices and Features.

ALLOWABLE LAP SPLICE FOR U-CHANNEL POST

29) U-Channel posts may be spliced where long lengths are required. The upper section shall overlap the lower section by at least 24 inches. The bottom edge of the upper section of the splice shall be a minimum of 24 inches above the ground. The spliced sections shall be secured with at least four 5/16 inch diameter hex bolts spaced equally along the splice.



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CONTRACTORS ARE RESPONSIBLE FOR COMPLYING WITH ALL TTC STANDARDS.

SHEET NUMBER212

PARISHCONTROL SECTIONSTATE PROJECT

G. DunnB. BoucherG. DunnB. Boucher

DESIGNCHECKDETAILCHECKREVIEWSERIES #

APPROVED BY CHIEF ENGINEER

DATE: 3/11/2026

Text Added

REVISION OR CHANGE ORDER DESCRIPTION

6-12-25

DATE

NO.

STATE OF LOUISIANA

TEMPORARY TRAFFIC CONTROLGENERAL NOTES SHEET

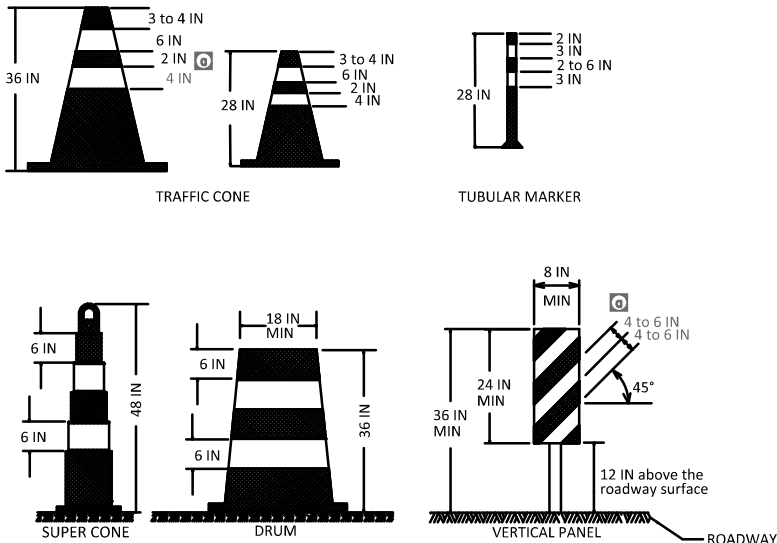
TTC-00 (B)

DOTDLOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

STANDARD PLAN

CHANNELIZING DEVICES

- 1) The following devices may be used as channelizing devices: Tubular Markers, Vertical Panels, Cones, Drums, and Super Cones.
- 2) 28 inch traffic cones are not allowed on:
- A) Interstates.
 - B) Highways with speeds greater than 40 mph.
- 3) During nighttime operations, 28 inch and 36 inch cones are not allowed.
- 4) Retroreflective material pattern used on super cones shall match that used on drums.
- 5) Tangent Areas:
- A) Standard Spacing: See Standard Device Spacing and Buffer Space table.
 - B) Daylight Operations: Drums and super cones are spaced at standard spacing. All other devices are at 1/2 standard spacing.
 - C) Nighttime Operations: Drums and supercones at standard spacing are the only devices allowed.
 - D) Downstream Locations & Flaggers: Drums or supercones at 20' max spacing. The length of taper shall be between 50' - 100' with a minimum of 6 devices.
- 6) Taper Areas:
- A) Standard Spacing: See Standard Device Spacing and Buffer Space table.
 - B) Daylight Operations: Drums are spaced at standard spacing. All other devices are 1/2 standard spacing.
 - C) Nighttime Operations: Drums (at standard spacing) are the only devices allowed.
 - D) Downstream Locations & Flaggers: Drums or supercones at 20' max spacing. The length of taper shall be between 50' - 100' with a minimum of 6 devices.
- 7) Type C steady burn lights shall be used on all channelizing devices in the taper as well as the first two devices in the tangent at night.
- 8) Typical channelizing device lateral placement (do not include when it is used as a divider for opposing directions of traffic) shall be 2 feet off the lane line in the closed lane or shoulder.
- 9) Devices may be adjusted laterally to accommodate ongoing work in the immediate vicinity but must be returned to the closed lane after the work activity has moved.
- 10) Channelizing devices on the lane line shall be of the same type.
- 11) Channelizing devices in each taper shall be of the same type.

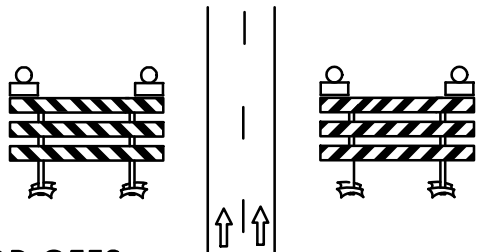


ALL TTC STANDARDS SHOW MINIMUM CONSTRUCTION SIGNING.
ALL SITUATIONS SHALL BE REVIEWED AND/OR DESIGNED BY THE ENGINEER.
CONTRACTORS ARE RESPONSIBLE FOR COMPLYING WITH ALL TTC STANDARDS.

TYPE III BARRICADES

- 12) Only Type III Barricades shall be used in the roadway or shoulder. All barricades shall use Type 3 High Intensity Sheeting on both sides of the barricade.
- 13) All barricades shall be a minimum of 8 feet in length and must meet MASH or NCHRP Report 350 requirements.
- 14) When used for overnight closures, two Type B High Intensity Lights shall supplement all barricades that are placed in a closed lane or that extend across a highway. Two Type A Low Intensity Lights may be used in urban areas if approved by the Engineer.
- 15) When signs and lights are to be mounted to a barricade, they must meet MASH or NCHRP Report 350 requirements.
- 16) A truck with a TMA may be substituted for a barricade when workers are present.
- 17) Barricades shall be placed:

- A) At the beginning of a closed lane or shoulder and at 1,000 foot intervals where no active work is ongoing and the lane must remain closed. A minimum of 2 barricades shall be placed if the lane or shoulder closure is less than 2,000 feet. One Barricade shall be placed at the beginning of the lane closure after the buffer space and one shall be placed in the middle of the lane closure.
- B) Before each or group of unfilled holes or holes filled with temporary material.
- C) Before uncured concrete.
- D) In the closed lane on each side of every intersection and crossover. Do not block sight distance.
- E) In front of piles of material (dirt, aggregate, broken concrete), culverts, and equipment which is near the work zone.



TTC for DROP-OFFS

Average Drop-off	Current Posted Speed (Prior to Construction)	
	> 45 MPH	≤ 45 MPH
≤ 3 Inches	Low Shoulder Sign (Optional)	Low Shoulder Sign (Optional)
> 3 IN	Shoulder Drop Off Sign & Edge Lines or Shoulder Drop Off Sign & Channelizing Device	Shoulder Drop Off Sign
≤ 6 IN		
> 6 IN	No Shoulder Sign, Edge Lines, & Vertical Panel	No Shoulder Sign & Channelizing Device
≤ 10 IN		
> 10 IN	Concrete Barrier (if drop off is < 12 FT from edge of travel lane) & Edge Lines	No Shoulder Sign & Vertical Panel

Average Drop-off	
≤ 3 Inches	Low Shoulder Sign (Optional)
< 2 IN	Shoulder Drop Off Sign & Edge Lines or Shoulder Drop Off Sign & Channelizing Device
≤ 6 IN	
> 6 IN	Concrete Barrier (if drop off is < 12 FT from edge of travel lane), Shoulder Drop Off Sign, & Edge Lines

- If a portable concrete barrier will be required, then space shall be provided to ensure the barrier does not deflect into the work area.
- For Interstate ramps, refer to non-Interstate drop offs.

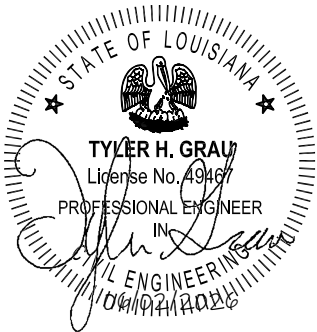
STANDARD DEVICE SPACING AND BUFFER SPACE

Speed limit (Prior to Construction)	MERGING TAPER LENGTH (L)				STANDARD DEVICE SPACING IN FEET		Buffer Space
	Lane Width (FT)				Along Taper	Along Tangent	
MPH	9	11	11	12			FT
25	94	105	115	125	20	40	155
30	135	150	165	180	30	60	200
35	184	205	225	245	35	70	250
40	240	267	294	320	40	80	305
45	405	450	495	540	40	80	360
50	450	500	550	600	40	80	425
55	495	550	605	660	40	80	495
60	540	600	660	720	40	80	570
65	585	650	715	780	40	80	645
70	630	700	770	840	40	80	730
75	675	750	825	900	40	80	820

Speed limit (Prior to Construction)	SHIFTING TAPER LENGTH (1/2 L)						STANDARD DEVICE SPACING IN FEET		Buffer Space
	Shoulder Width (FT)						Along Taper	Along Tangent	
MPH	2	4	6	8	10	12			FT
25	11	21	32	42	52	63	20	40	155
30	15	30	45	60	75	90	30	60	200
35	21	41	62	82	102	123	35	70	250
40	27	54	80	107	134	160	40	80	305
45	45	90	135	180	225	270	40	80	360
50	50	100	150	200	250	300	40	80	425
55	55	110	165	220	275	330	40	80	495
60	60	120	180	240	300	360	40	80	570
65	65	130	195	260	325	390	40	80	645
70	70	140	210	280	350	420	40	80	730
75	75	150	225	300	375	450	40	80	820

Speed limit (Prior to Construction)	SHOULDER TAPER LENGTH (1/3 L)						STANDARD DEVICE SPACING IN FEET		Buffer Space
	Shoulder Width (FT)						Along Taper	Along Tangent	
MPH	2	4	6	8	10	12			FT
25	7	14	21	28	35	42	20	40	155
30	10	20	30	40	50	60	30	60	200
35	14	28	41	55	68	82	35	70	250
40	18	36	54	72	89	107	40	80	305
45	30	60	90	120	150	180	40	80	360
50	34	67	100	134	167	200	40	80	425
55	37	74	110	147	184	220	40	80	495
60	40	80	120	160	200	240	40	80	570
65	44	87	130	174	217	260	40	80	645
70	47	94	140	187	234	280	40	80	730
75	50	100	150	200	250	300	40	80	820

- See MUTCD for taper formulas.
- If horizontal curve radius is less than 300 feet, device spacing shall be 25 feet.



SHEET NUMBER213

PARISHCONTROL SECTIONSTATE PROJECT

G. DunnB. BoucherG. DunnB. BoucherG. DunnB. Boucher

DESIGNCHECKDETAILCHECKREVIEWSERIES #

APPROVED BY: CHIEF ENGINEER

DATE: 3/11/2026

Text added and numbers adjusted
REVISION OR CHANGE ORDER DESCRIPTION

6-12-25DATE

NO.

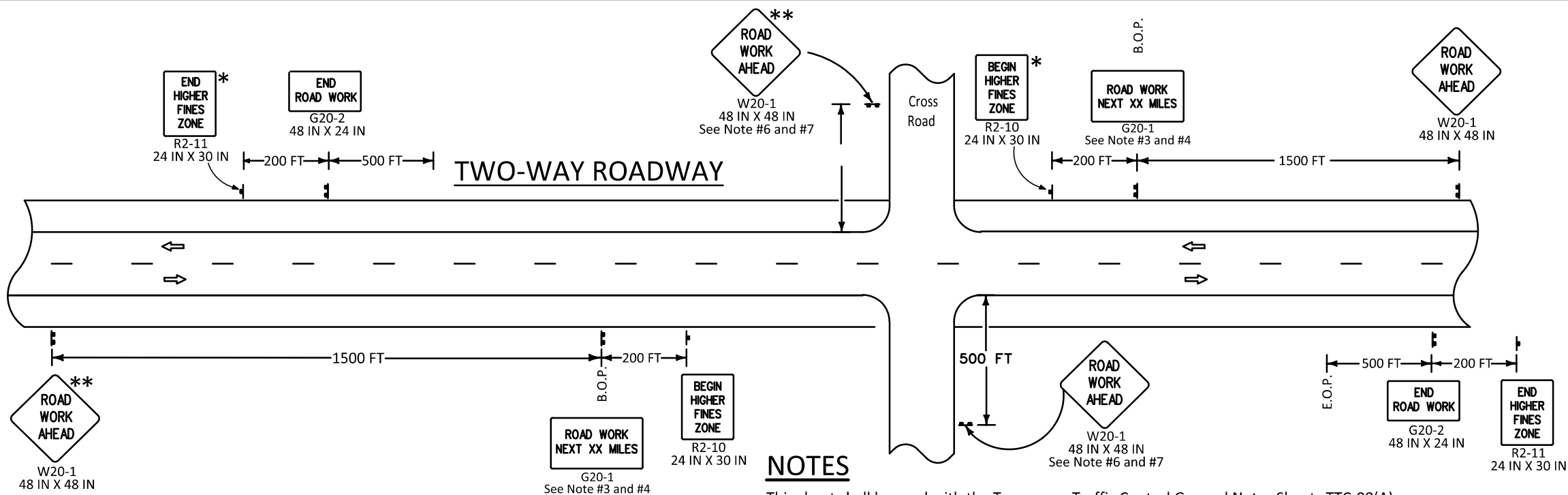
STATE OF LOUISIANA

TEMPORARY TRAFFIC CONTROL
GENERAL NOTES SHEET

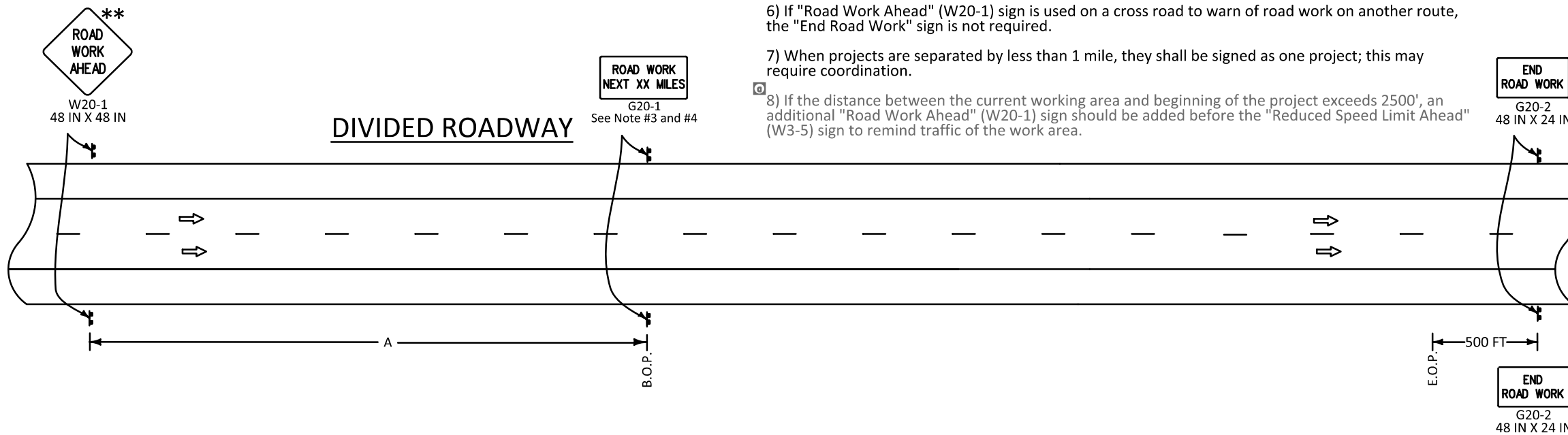
DOTDLOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT

STANDARD
PLAN

TTC-00 (C)



⏏ Traffic Sign
➡ Direction of Travel



NOTES

This sheet shall be used with the Temporary Traffic Control General Notes Sheets TTC-00(A), TTC-00(B), TTC-00(C), and other Temporary Traffic Control Sheets as appropriate.

1) This layout represents the minimum traffic controls required for placement of "Road Work Next XX Miles" (G20-1) and "End Road Work" (G20-2) signs.

2) This layout does not replace other TTC Standard Sheets, but is intended as a supplement to the required signing.

3) The distance on the "Road Work Next XX Miles" (G20-1) sign shall be rounded up to the nearest whole mile. This sign shall be placed at the Beginning of Project (B.O.P.) limits. This sign may be omitted if work zone is less than 0.5 miles.

4) The "Road Work Next XX Miles" (G20-1) sign shall be a minimum of 60 inches by 36 inches for all multi-lane roadways and a minimum of 48 inches by 24 inches for two-lane roadways unless otherwise noted.

5) The "End Road Work" (G20-2) sign shall be placed 500 feet past the End of Project (E.O.P.) limits.

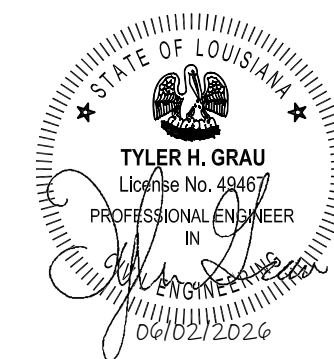
6) If "Road Work Ahead" (W20-1) sign is used on a cross road to warn of road work on another route, the "End Road Work" sign is not required.

7) When projects are separated by less than 1 mile, they shall be signed as one project; this may require coordination.

8) If the distance between the current working area and beginning of the project exceeds 2500', an additional "Road Work Ahead" (W20-1) sign should be added before the "Reduced Speed Limit Ahead" (W3-5) sign to remind traffic of the work area.

* For divided roadways with speeds ≥ 50 mph use larger sign, 36 IN X 48 IN.

** Any sign of the W20-1 series may be used.



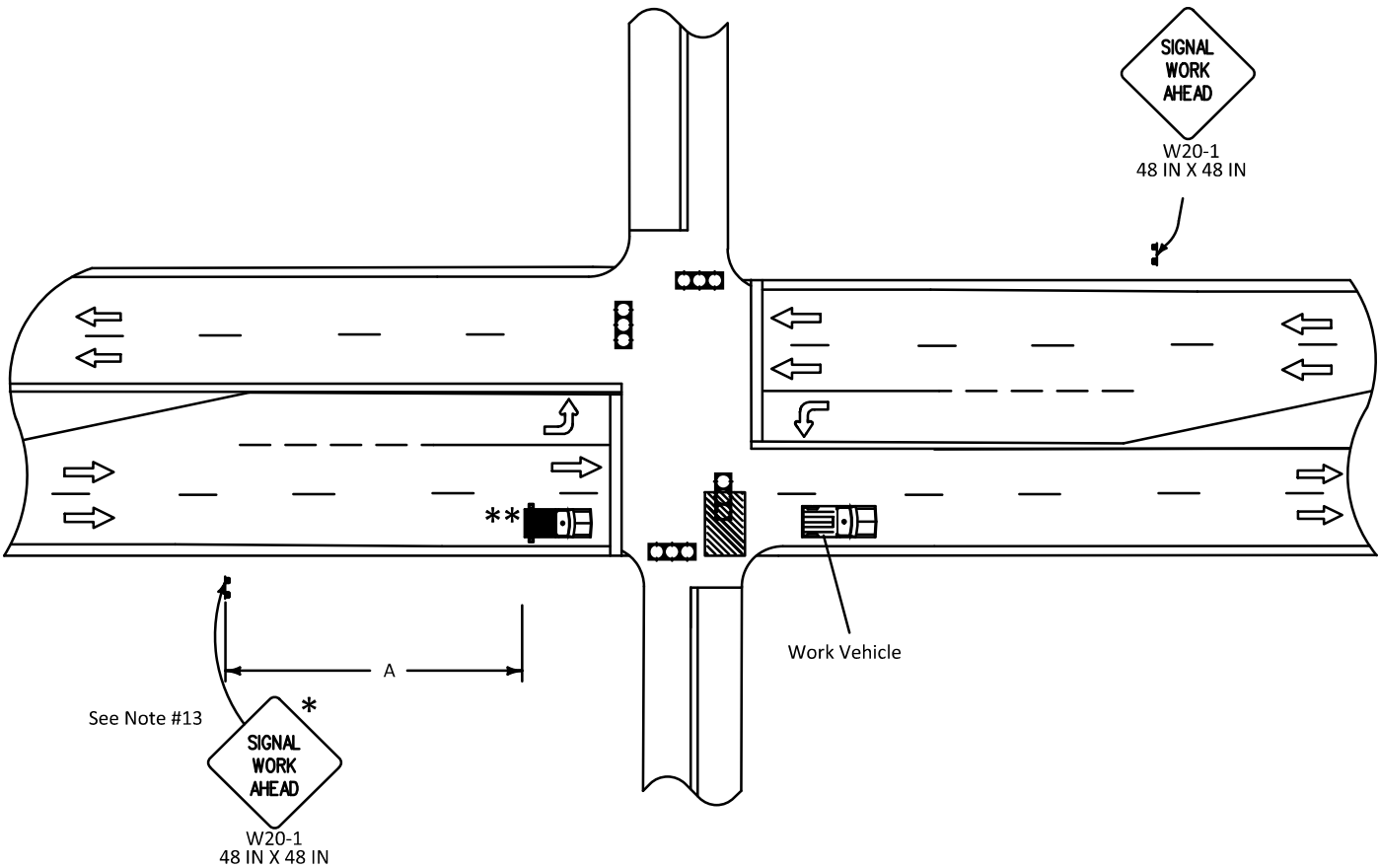
SPEED LIMIT (prior to construction)	SPACING
	A
≤ 40 mph	1500 FT
45 mph	2640 FT
> 45 mph	5280 FT

• Sign spacing to be adjusted for horizontal and vertical curves.

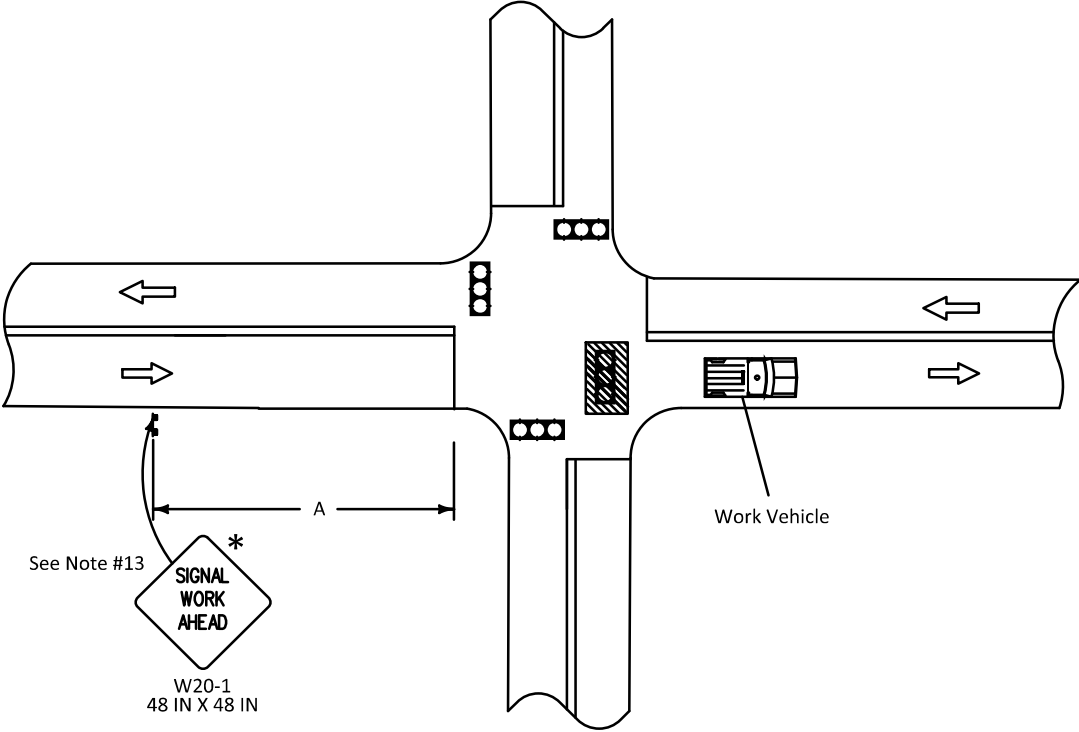
• For work outside of the traveled way, see TTC-01 and TTC-02.

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SIGNAL WORK ON A MULTI-LANE ROADWAY FOR UP TO ONE HOUR



SIGNAL WORK ON A TWO-LANE TWO-WAY ROADWAY



DESIGN	G. Dunn	PARISH	
CHECK	B. Boucher	CONTROL SECTION	
DETAIL	G. Dunn	STATE	
CHECK	B. Boucher	PROJECT	
REVIEW			
SERIES #			

APPROVED BY CHIEF ENGINEER
DATE: 3/11/2026

Text Added and Adjusted
REVISION OR CHANGE ORDER DESCRIPTION
BY

6-12-25
NO.



TEMPORARY TRAFFIC CONTROL
FOR TRAFFIC SIGNAL INSTALLATION
AND MAINTENANCE AT AN INTERSECTION
TTC-19



STANDARD PLAN

NOTES

This sheet shall be used with the Temporary Traffic Control General Notes Sheets TTC-00(A), TTC-00(B), TTC-00(C), TTC-00(D), and other Temporary Traffic Control Sheets as appropriate.

- 1) This layout represents the minimum traffic controls required during signal construction and maintenance.
- 2) For projects with multiple signals, the contractor shall construct only one signal at a time, unless approved by DTOE and PE.
- 3) If the signal at an intersection is turned off, the intersection may operate as a 4-way stop with approval by the Engineer and the DTOE. The contractor shall be responsible for installing and removing all stop signs at the intersection.
- 4) A detour plan is required if the road will be closed to through traffic at any approach.
- 5) A uniformed police officer shall direct traffic for short duration lane closures and signal turn-ons.
- 6) The turn lane may be used as a through lane if a minimum 10-foot lateral clearance to the work zone can be maintained and opposing traffic is not impeded.
- 7) A signal timing and phasing plan shall be developed for each phase of construction.

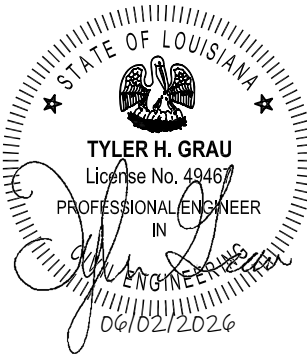
- 8) Place "Road Work Ahead" (W20-1) sign prior to an intersecting alternate route, no more than 1500 feet from the work area.
- 9) All sign height shall be at least 7 feet in business, commercial, and residential areas and also near parking, pedestrians, bicyclists, or other obstructions.
- 10) All work must be done during off-peak hours.
- 11) The contractor shall not work on both through lanes at the same time.
- 12) For signal work on a multi-lane roadway greater than 1 hour, see TTC-09 or TTC-10.
- 13) If the expected or actual queue length exceeds the distance in Table 2C-3 in the MUTCD, place an additional "Signal Work Ahead" (W20-1) sign at the end of the queue.
- 14) For two-lane two-way roadways, a police car with flashing lights and 2 police officers will be required for intersection traffic control.
- 15) Left turn lanes shall be closed whenever work is being performed in path of left hand turner.
- 16) Position of work vehicle may vary according to work required.

- * Any sign of the W20-1 series may be used.
- ** For posted speed over 45 mph, use TMA.

SPEED LIMIT (prior to construction)	SPACING
≤ 40 mph	125 FT
45-50 mph	350 FT

LEGEND

- Traffic Sign
- Work Vehicle
- Truck with Flashing Arrow Panel
- Work Area
- Direction of Travel
- Traffic Signal



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Section 14

GENERAL PROVISIONS

- All temporary traffic control (TTC) devices used shall be in accordance with the Louisiana Standard Specifications for Roads and Bridges, the MUTCD, and shall meet the NCHRP Report 350 or MASH requirements for Test Level 3 devices where applicable.
- Materials used for TTC shall be in accordance with the Louisiana Standard Specifications for Roads and Bridges and, when applicable, the LADOTD AML.
- Placement of TTC devices shall not commence without the approval of the Engineer and until work is about to begin, unless they are covered.
- No lane closures, lane shifts, diversions or detours shall occur without the approval of the Engineer.
- Responsibility is hereby placed upon the contractor for the installation, maintenance and operation of all TTC devices called for in these plans or required by the Engineer for the protection of the traveling public as well as all LADOTD and construction personnel.
- The contractor shall also be responsible for the maintenance of all permanent signs, pavement markings, and traffic signals left in place as essential to the safe movement and guidance of traffic within the project limits unless noted in the plans.
- The DTOE shall serve as a technical advisor to the Engineer for all traffic control matters.
- The Chief Construction Engineer or his appointed designee shall approve all signs and situations not addressed in the plans based on the recommendations of the Project Engineer and the DTOE. All changes shall be noted in all project traffic control diaries.
- The Chief Construction Engineer or his appointed designee shall approve all design speeds of diversions or shifts, if it differs from design plans, based on the recommendations of the Project Engineer and the DTOE.
- All temporary traffic control plans shall comply with the Transportation Management Plan.
- Any additional signs shown in the MUTCD and required by the Engineer shall be installed under Item 713-01-00100.
- Neither work activity nor storage of equipment, vehicles, TMAs, or materials shall occur within the buffer space.
- When a work area has been established on one side of the roadway only, there shall be no conflicting operations or parking on the opposite shoulder within 500 feet of the work area.
- A lighting plan shall be submitted to the Engineer 30 days prior to night work for approval. (See section 105.20 of the Louisiana Standard Specifications for Roads and Bridges.)
- Parking of vehicles or unattended equipment or storage of materials, within the clear zone shall not be permitted unless protected by guardrail or barriers. If the clear zone is not defined on the plan sheets, the Engineer shall verify.
- Immediately upon removal of existing guardrail, the contractor shall install and maintain an NCHRP Report 350 or MASH approved device to protect the blunt end of the bridge or column until new guardrail is installed. After removal of the existing guardrail, new guardrail should be installed within seven (7) days. On non-NHS routes with shoulders less than 8 feet wide: If an NCHRP 350 Report Test Level 3 or MASH device is required but the field conditions of the roadway cannot support a Test Level 3 device, then a Test Level 2 device can be substituted in its place upon approval by the Engineer. If utilized, a TMA is allowed for a maximum of 72 hours.
- All costs associated with crash devices are to be included in Item 713-01-00100.
- Sight distance should be considered when placing traffic control devices.
- On all mainline Interstates, a minimum of 1.5 feet of paved shoulder on the left and right side shall be maintained at all times.

- On Interstates, a minimum of 11 foot lanes shall be maintained. On all other roadways, a 10 foot minimum travel lane should be maintained where practical.
- TTC Standards are not drawn to scale.
- The contractor shall develop an internal traffic control plan approved by the Engineer prior to each phase.
- Truck restrictions such as (but not limited to) restricting lanes, oversize loads or times of travel, may be required for narrow lanes or other field conditions.

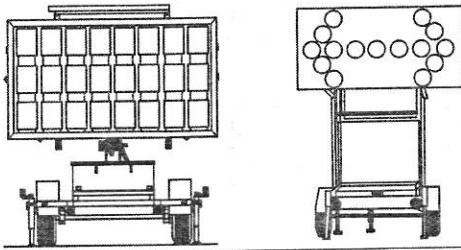
PAVEMENT MARKINGS (see AML)

- All pavement markings within the limits of the project or adjacent to the project limits that are in conflict with the project signing or the required traffic movements shall be removed from the pavement by blast cleaning or grinding. (Existing striping shall not be painted over with black paint or covered with tape.)
- If special pavement markings are needed, they shall be reflectorized, removable and accompanied by the proper signage.
- Temporary Raised Pavement Markers may be added to supplement temporary striping in areas of transition, in tapers, in diversions and in other areas of need as shown in the plans or as directed by the Engineer.
- Materials and placement of temporary pavement markings shall conform to Section 713 of the Louisiana Standard Specifications for Roads and Bridges. If no pay item exists for temporary markings, they shall be installed under item 713-01-00100.

- Temporary markings installed in the permanent configuration shall comply with LADOTD pavement marking standard plans, MUTCD and/or the permanent striping plans.

PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS)

- PCMS shall be used on all Interstate Highways. PCMS shall be used on all other roadways (where space is available) with an ADT greater than 20,000.
- When used in advance of a lane closure or a lane shift, the PCMS should be placed on the right hand side of the road a minimum distance of 2 miles in advance of the taper for interstates and to be determined by the Engineer on other highways.
- For interstates and multi-lane highways, if vehicles are queuing beyond the 2 mile PCMS, an additional PCMS should be placed on the right hand side of the road approximately 5 miles in advance of the taper or at the end of the queue, whichever is greater.
- PCMS messages shall be approved by the DTOE. Messages shall be no more than 3 lines and 2 screens.
- Messages shall display only traffic operational, regulatory, warning, and guidance information. PCMS messages shall not display advertising or safety messages. Messages should only convey information concerning the problem/situation, location, and recommended driver action.
- PCMS should be placed as far from the traveled lane as possible. They shall be shielded by guardrail or barriers. If this is not possible they shall be delineated with a min. 3 drum taper spaced at 20ft with a 4th drum alongside the PCMS.
- If the PCMS encroaches on the improved shoulder then the contractor shall install a shoulder closure.
- When the PCMS is not displaying a work zone appropriate message pertaining to the ongoing construction project it shall be shielded by guard rail or barriers, or removed from the clear zone.



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SPEED LIMITS

- The Engineer may approve a 10 mph drop in the speed limit for posted speeds of 45 mph or greater and for any construction, maintenance or utility operation that requires one or more of the following:
 - (A) The condition of the traveled way is degraded due to milled surfaces or uneven travel lane lines greater than 1.5 inches.
 - (B) Work is in progress in the immediate vicinity of the travel way requiring lane closures or lane width reductions less than 11 feet.
 - (C) Workers present on the shoulder within 2 feet of the edge of the traveled way without barrier protection.
- The reduced speed zone shall only apply to those portions of the project limits affected. The Engineer may allow SPEED LIMIT WHEN FLASHING signs to supplement reduced speed zones.
- If the speed limit is reduced, speed limit signs shall be placed:
 - (A) beyond major intersections;
 - (B) at one mile intervals in rural areas;
 - (C) at half mile intervals in urban areas.
- At the end of the reduced speed zone, a speed limit sign displaying the original speed limit prior to construction shall be installed.
- For all other speed limit reductions not listed above, the Project Engineer and the DTOE shall recommend the speed reduction to the Chief Construction Engineer or his appointed designee for approval.
- If the speed limit is reduced more than 10 mph, placement of the signs shall be re-evaluated according to the MUTCD.

FLASHING ARROW BOARDS

- All Flashing Arrow Boards shall be 4 feet by 8 feet and Type C.
- Flashing Arrow Boards should be placed on the shoulder. When there is no shoulder or median area, the arrow board shall be placed within the closed lane behind the channelizing devices and as close to the beginning of the taper as practical.
- Flashing arrow boards shall be delineated with retroreflective TTC devices.
- At no time shall the arrow board encroach in the traveled way. When Flashing Arrow Board signs are not being used, they shall be shielded by guard rail or barriers, or removed.
- Arrow boards shall only be used for lane reduction tapers and shall not be used for lane shifts.

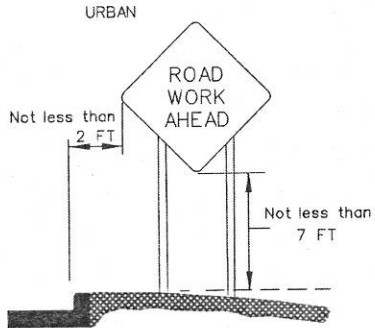
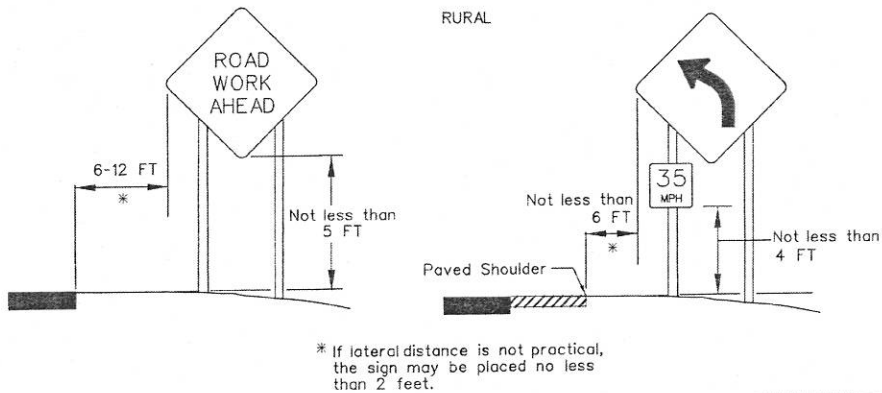
ABBREVIATIONS

AASHTO American Association of State Highway and Transportation Officials
ADT Average Daily Traffic
AGCI Associated General Contractors of America
AML Approved Materials List
ANSI American National Standards Institute
ATSSA American Traffic Safety Services Association
B.O.P. Beginning of Project
DTOE District Traffic Operations Engineer
E.O.P. End of Project
LADOTD Louisiana Department of Transportation and Development
MASH AASHTO Manual for Assessing Safety Hardware
MUTCD Manual on Uniform Traffic Control Devices
NCHRP National Cooperative Highway Research Program
NHS National Highway System
PCMS Portable Changeable Message Sign
TMA Truck Mounted Attenuator
TMC Traffic Management Center
TTC Temporary Traffic Control
TTC Standards .. Temporary Traffic Control Standard Plans

SHEET NUMBER		PARISH		CONTROL SECTION		STATE PROJECT	
DESIGNED BY	G. LEBLANC	CHECKED BY	J. COLVIN	DETAILS BY	C. FAKOURI	CHECKED BY	G. LEBLANC
REVISION OR CHANGE ORDER DESCRIPTION				DATE	7/2/18		
APPROVED BY				DATE	7/2/18		
CHIEF ENGINEER				TTC-00 (A)			
TEMPORARY TRAFFIC CONTROL GENERAL NOTES SHEET							
DOTD TRAFFIC ENGINEERING							

SIGNS

- All signs used for temporary traffic control shall follow the plans, the LADOTD TTC Standards and the MUTCD.
- Signs shown in the TTC illustrations are typical and may vary with each specific condition.
- One Type B High Intensity light shall be used to supplement the first sign (or pair of signs) that gives warning about a lane closure during nighttime operations (See AML).
- Mesh rollup signs shall not be allowed on any project.
- Contractor shall use caution not to damage existing signs which remain in place. Any LADOTD signs damaged by work operations shall be replaced by the contractor under item 713-01-00100.
- All signs (permanent and temporary) shall be removed or completely covered with a strong, lightweight, opaque material when no longer applicable. (Burlap is not an acceptable material to cover signs).
- At no time shall signs warning against a particular operation be left in place once the operation has been completed or where the condition has been removed.
- Warning signs used for temporary traffic controls shall meet the following guidelines unless otherwise noted in the plans:
 - (A) size shall be 48 inches by 48 inches.
 - (B) see the Louisiana Standard Specifications for Roads and Bridges and the AML for sheeting information.
 - (C) lateral distance of signs shall be a minimum of 6 feet from the edge of shoulder or edge of pavement if no shoulder exists and 2 feet from the back of curb in urban areas (see diagram).
- When portable sign frames are not in use, they shall be moved to an area inaccessible to traffic and not visible to the driver.
- Left side mounted signs will not be required for roadways with a center left turn lane and for undivided roadways.
- Vinyl rollup signs may be used if work zone is in place for 12 hours or less, there are no more than 2 lanes in each direction and if signs meet all size, color, retroreflectivity and NCHRP 350 Report or MASH requirements.
- All signs shall be visible to the drivers (i.e. no obstructions such as on street parking or other traffic control devices shall block the sign).
- On divided highways, signs shall be placed on the right and the left as shown on the TTC standards.
- 1 foot portable sign stands may be used if the work zone is in place for 14 hours or less and there are no more than 2 lanes in each direction.
- Sign posts:
 - Signs measuring 10 square feet or less shall be mounted on 1 rigid post
 - Signs over 10 square feet shall be mounted on 2 rigid posts
 - Signs over 20 square feet shall be mounted on at least 3 rigid posts
- Rigid sign supports shall be driven to a minimum depth of 3 feet. (If splicing is required, see Allowable Lap Splice U-channel Post.)
- For sign height, see the Rural and Urban diagrams:

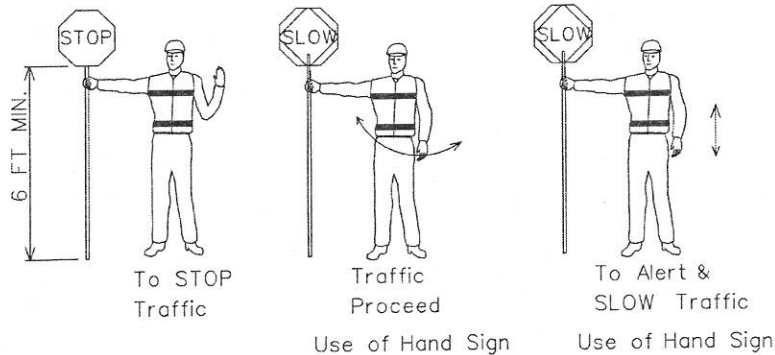


LANE CLOSURES

- All proposed lane, road or shoulder closures shall be reviewed by the DTOE and approved by the Engineer.
- Two lane, two-way highways shall have a maximum work area of two miles; all other roadways shall have a four mile maximum work area.
- A queue analysis shall be performed prior to approval of lane closures on all Interstates according to Section 6A.1 of the Traffic Engineering Manual.
- Closure plans and times shall be turned in to the Engineer for review according to the following:
 - (A) 5 working days minimum if traffic control plan has been approved or is contained in the plans.
 - (B) 10 working days minimum and a traffic control plan must be submitted for lane closures not addressed in the plans.
- Weekly updates to the DTOE, Project Engineer, the LADOTD TMC operator and the regional TMC operator (if applicable) will be required for all ongoing lane closures to update the closure status.
- Daily updates to the DTOE, Project Engineer and TMC operator (if applicable) will be required for all projects where active closures are in place.

FLAGGERS

- All flaggers shall be qualified.
- The contractor shall be responsible for training or assuring that all flaggers are qualified to perform flagging duties.
- A Qualified Flagger is one that has completed courses such as those offered by ATSSA or other courses approved by the LADOTD Work Zone Task Force. The contractor shall be responsible for getting the flagger course approved.
- When utilized, a flagger shall use a minimum 18 inch octagonal shape sign on a minimum 6 foot stop/slow paddle and wear ANSI Class 2 Lime Green vest during day time operations and ANSI Class 3 Lime Green ensemble during night operations.
- In all flagging operations, the flagger must be visible from the flagger advance warning sign.
- Flaggers shall not be used on the Interstate.



PEDESTRIAN CONSIDERATIONS

- If the TTC zone affects the movement of pedestrians, adequate pedestrian access and walkways shall be provided either through the TTC zone or a designated alternate route.
- Pedestrians should be provided with a convenient and accessible path that replicates as nearly as practical the most desirable characteristics of the existing sidewalk(s) or footpath(s).
- Advance notification of sidewalk closures shall be provided by the maintaining agency.

REFERENCES

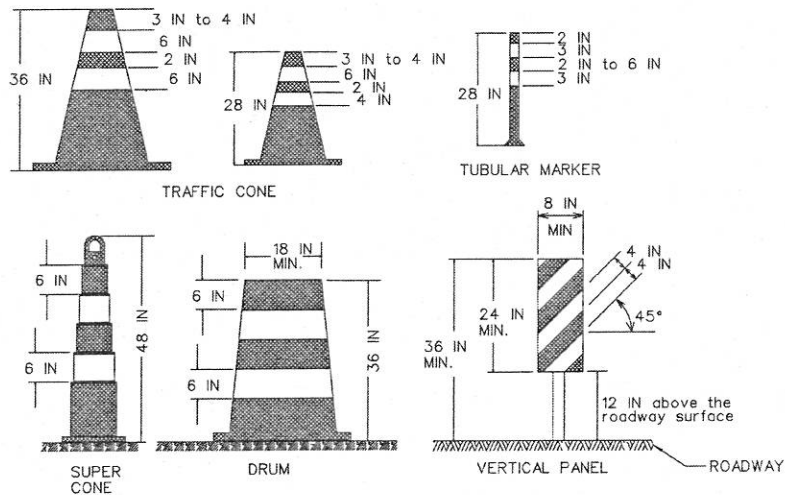
- The contractor shall be responsible for understanding all rules and requirements in the current edition of the following documents:
 - 1) Louisiana Standard Specifications for Roads and Bridges. <http://www.dotd.la.gov/highways/specifications/>
 - 2) Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD). <http://mutcd.fhwa.dot.gov/>
 - 3) LADOTD Approved Materials List (AML) Manual. http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/Materials_Lab/Pages/Menu_QPL.aspx
 - 4) LADOTD Traffic Engineering Manual http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/Traffic_Engineering/Misc%20Documents/Traffic%20Engineering%20Manual.pdf
 - 5) National Cooperative Highway Research Program (NCHRP) Report 350: "Guidelines for Work Zones Traffic Control Devices". http://onlinepubs.trb.org/Onlinepubs/nchrp/nchrp_rpt_350-a.pdf
 - 6) NCHRP Report 475: "A Procedure for Assessing and Planning Nighttime Highway Construction and Maintenance". http://onlinepubs.trb.org/Onlinepubs/nchrp/nchrp_rpt_475.pdf
 - 7) NCHRP Report 476: "Guidelines for Design and Operation of Nighttime Traffic Control for Highway Maintenance". http://onlinepubs.trb.org/Onlinepubs/nchrp/nchrp_rpt_476.pdf
 - 8) NCHRP Report 498: "Illumination Guidelines for Nighttime Highway Work". http://onlinepubs.trb.org/Onlinepubs/nchrp/nchrp_rpt_498.pdf
 - 9) American Association of State Highway and Transportation Officials (AASHTO) Roadside Design Guide.
 - 10) American Traffic Safety Services Association (ATSSA) Quality Guidelines for Work Zone Traffic Control Devices and Features.
 - 11) U.S. Department of Transportation Federal Highway Administration Traffic Control Handbook for Mobile Operations at Night. <http://www.dot.state.il.us/blr/1023.pdf>

ALL TTC STANDARDS SHOW MINIMUM CONSTRUCTION SIGNING.
ALL SITUATIONS SHALL BE REVIEWED AND/OR DESIGNED BY THE ENGINEER.
CONTRACTORS ARE RESPONSIBLE FOR COMPLYING WITH ALL TTC STANDARDS.

SHEET NUMBER		PARISH		CONTROL SECTION		STATE PROJECT	
DESIGNED BY	G. LEBLANC	CHECKED BY	J. COLVIN	REVIEWED BY	C. FAKOURI	CHECKED BY	G. LEBLANC
REVISION OR CHANGE ORDER DESCRIPTION				DATE			
NO.				DATE			
APPROVED BY				DATE			
CHIEF ENGINEER				DATE			
TEMPORARY TRAFFIC CONTROL GENERAL NOTES SHEET				TTC-00 (B)			
DOTD				TRAFFIC ENGINEERING			

CHANNELIZING DEVICES

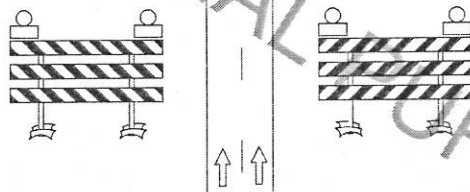
- The following devices may be used as channelizing devices:
Tubular Markers, Vertical Panels, Cones, Drums and Super Cones.
- 28 inch traffic cones are not allowed on:
 - 1) Interstates
 - 2) Highways with speeds greater than 40 mph.
- During nighttime operations, 28 inch and 36 inch cones are not allowed.
- Retroreflective material pattern used on super cones shall match that used on drums.
- Tangent Areas:
 - A) Standard Spacing: See Standard Device Spacing and Buffer Space table.
 - B) Daylight Operations: Drums and super cones are spaced at standard spacing. All other devices are at 1/2 standard spacing.
 - C) Nighttime Operations: Drums and supercones at standard spacing are the only devices allowed.
- Taper Areas:
 - A) Standard Spacing: See Standard Device Spacing and Buffer Space table.
 - B) Daylight Operations: Drums are spaced at standard spacing. All other devices are 1/2 standard spacing.
 - C) Nighttime Operations: Drums (at standard spacing) are the only devices allowed.
- Type C steady burn lights shall be used on all channelizing devices in the taper as well as the first two devices in the tangent at night, (see the AML).
- Typical channelizing device lateral placement (do not include when it is used as a divider for opposing directions of traffic) shall be 2 feet off the lane line in the closed lane or shoulder.
- Devices may be adjusted laterally to accomodate ongoing work in the immediate vicinity but must be returned to the closed lane after the work activity has moved.
- Channelizing devices on the lane line shall be of the same type.
- Channelizing devices in each taper shall be of the same type.



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TYPE III BARRICADES

- Only Type III Barricades shall be used.
- All barricades shall use Type 3 High Intensity Sheeting on both sides of the barricade.
- All barricades shall be a minimum of 8 feet in length and must meet NCHRP Report 350 or MASH requirements.
- When used for overnight closures, two Type B High Intensity Lights shall supplement all barricades that are placed in a closed lane or that extend across a highway. Two Type A Low Intensity Lights may be used in urban areas if approved by the Engineer (See AML).
- When signs and lights are to be mounted to a barricade, they must meet NCHRP Report 350 or MASH requirements.
- A truck with a TMA may be substituted for a barricade when workers are present.
- Barricades shall be placed:
 - (A) at the beginning of a closed lane or shoulder and at 1,000 foot intervals where no active work is ongoing and the lane must remain closed. A minimum of 2 barricades shall be placed if the lane or shoulder closure is less than 2,000 feet. (One barricade shall be placed at the beginning of the lane closure after the buffer space and one shall be placed in the middle of the lane closure.)
 - (B) before each or group of unfilled holes or holes filled with temporary material.
 - (C) before uncured concrete.
 - (D) in the closed lane on each side of every intersection and crossover. (Do not block sight distance.)
 - (E) in front of piles of material (dirt, aggregate, broken concrete), culverts and equipment which is near the work zone.



TTC for DROP-OFFS

NON-INTERSTATE		
Average Drop-off	Current Posted Speed (Prior to Construction)	
	> 45 MPH	≤ 45 MPH
≤ 3 IN	Low Shoulder Sign (Optional)	Low Shoulder Sign (Optional)
> 3 IN	Shoulder Drop Off Sign & Edge Lines or Shoulder Drop Off Sign & Channelizing Device	Shoulder Drop Off Sign
> 6 IN	No Shoulder Sign, Edge Lines & Vertical Panel	No Shoulder Sign & Channelizing Device
≤ 10 IN		
> 10 IN	Concrete Barrier (if drop off is < 12 FT from edge of travel lane) & Edge Lines	No Shoulder Sign & Vertical Panel

INTERSTATE	
Average Drop-off	
≤ 2 IN	Low Shoulder Sign (Optional)
> 2 IN	Shoulder Drop Off Sign & Edge Lines or Shoulder Drop Off Sign & Channelizing Device
≤ 6 IN	
> 6 IN	Concrete Barrier (if drop off is < 12 FT from edge of travel lane), Shoulder Drop Off Sign, & Edge Lines

- If a portable concrete barrier will be required then the deflection shall be considered in the design.
- For Interstate ramps, refer to non-Interstate drop offs.

STANDARD DEVICE SPACING AND BUFFER SPACE

SPEED LIMIT (prior to construction)	MERGING TAPER LENGTH (L)				STANDARD DEVICE SPACING IN FEET		BUFFER SPACE
	Lane Width (FT)						
					Along Taper	Along Tangent	
MPH	9	10	11	12			FT
25	94	105	115	125	20	40	155
30	135	150	165	180	30	60	200
35	184	205	225	245	35	70	250
40	240	267	294	320	40	80	305
45	405	450	495	540	40	80	360
50	450	500	550	600	40	80	425
55	495	550	605	660	40	80	495
60	540	600	660	720	40	80	570
65	585	650	715	780	40	80	645
70	630	700	770	840	40	80	730
75	675	750	825	900	40	80	820

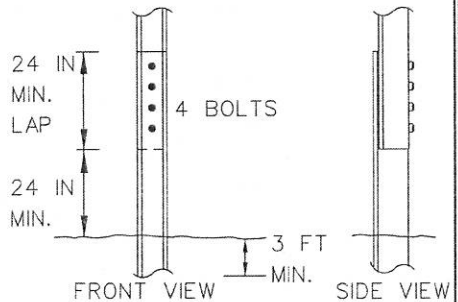
SPEED LIMIT (prior to construction)	SHIFTING TAPER LENGTH (1/2)(L)						STANDARD DEVICE SPACING IN FEET		BUFFER SPACE
	Lane Shift (FT)								
	2	4	6	8	10	12	Along Taper	Along Tangent	
MPH	2	4	6	8	10	12	Along Taper	Along Tangent	FT
25	11	21	32	42	52	63	20	40	155
30	15	30	45	60	75	90	30	60	200
35	21	41	62	82	102	123	35	70	250
40	27	54	80	107	134	160	40	80	305
45	45	90	135	180	225	270	40	80	360
50	50	100	150	200	250	300	40	80	425
55	55	110	165	220	275	330	40	80	495
60	60	120	180	240	300	360	40	80	570
65	65	130	195	260	325	390	40	80	645
70	70	140	210	280	350	420	40	80	730
75	75	150	225	300	375	450	40	80	820

SPEED LIMIT (prior to construction)	SHOULDER TAPER LENGTH (1/3)(L)						STANDARD DEVICE SPACING IN FEET		BUFFER SPACE
	Shoulder Width (FT)								
	MPH	2	4	6	8	10	12	Along Taper	
25	7	14	21	28	35	42	20	40	155
30	10	20	30	40	50	60	30	60	200
35	14	28	41	55	68	82	35	70	250
40	18	36	54	72	89	107	40	80	305
45	30	60	90	120	150	180	40	80	360
50	34	67	100	134	167	200	40	80	425
55	37	74	110	147	184	220	40	80	495
60	40	80	120	160	200	240	40	80	570
65	44	87	130	174	217	260	40	80	645
70	47	94	140	187	234	280	40	80	730
75	50	100	150	200	250	300	40	80	820

- All termination and flagger tapers are 100 feet. (MIN. 6 channelizing devices per lane equally spaced 20 feet apart.)
- See TTC Standards for flagger taper.
- See MUTCD for taper formulas.

ALLOWABLE LAP SPLICE FOR U-CHANNEL POST

U-Channel posts may be spliced where long lengths are required. The upper section shall overlap the lower section by at least 24 inches. The bottom edge of the upper section of the splice shall be a minimum of 24 inches above the ground. The spliced sections shall be secured with at least four 5/16 inch diameter hex bolts spaced equally along the splice.



SHEET NUMBER	
DESIGNED BY	G. LEBLANC
CHECKED BY	J. COLVIN
REVIEWED BY	C. FAYOURT
DATE	7/2/18
PROJECT	
SECTION	
STATE	
NUMBER	
REVISION OR CHANGE ORDER DESCRIPTION	
DATE	
NO.	
APPROVED BY	
CITY ENGINEER	
TEMPORARY TRAFFIC CONTROL GENERAL NOTES SHEET	
TTC-00 (C)	



**TEMPORARY TRAFFIC CONTROL
LAYOUT FOR PLACEMENT OF ROAD WORK
NEXT XX MILES AND END ROAD WORK SIGNS**

**TRAFFIC
ENGINEERING**

TTC-00 (D)



NO. _____

DATE _____

BY _____

REVISION OR CHANGE ORDER DESCRIPTION

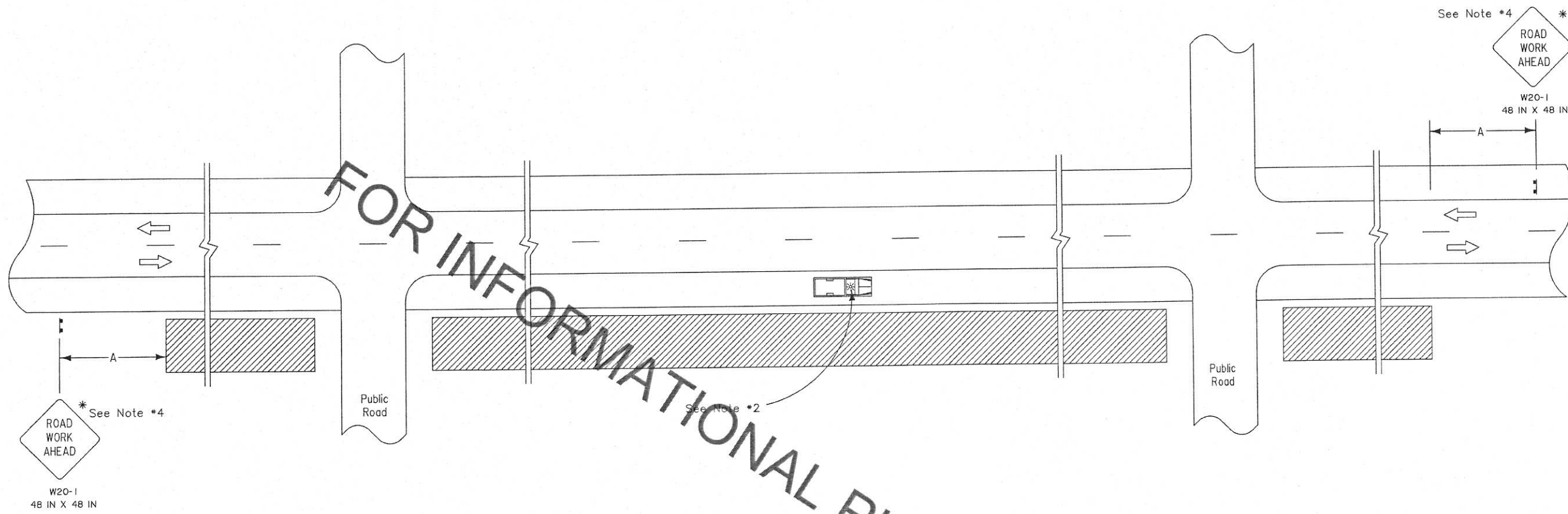
APPROVED BY _____

CHIEF ENGINEER: *Christopher P. Kelly*

DATE: **7/2/18**

DESIGNED G. LEBLANC	CHECKED J. COLVIN	PARISH _____	SHEET NUMBER _____
DETAILED C. FAKOURI	CHECKED G. LEBLANC	CONTROL SECTION _____	
SERIES NUMBER _____	STATE PROJECT _____		

SEE TTC-00(A), TTC-00(B) AND TTC-00(C)



LEGEND

- Traffic Sign
- Work Area
- Direction of Travel
- Truck with Amber Light

SPEED LIMIT (prior to construction)	SPACING
	'A'
≤ 40 mph	500 FT
45-50 mph	1000 FT
≥ 55 mph	1500 FT

NOTES

This sheet shall be used with the Temporary Traffic Control General Notes Sheets TTC-00(A), TTC-00(B) and TTC-00(C).

1. This layout represents the minimum traffic controls required for workers and equipment operating more than 15 feet from the travel way.
2. If the operation results in equipment or other vehicles being parked closer than 15 feet to the travelway, but not within the roadway, each vehicle shall have an amber light.
3. When a work area has been established on one side of the roadway only, there shall be no parking on the opposite shoulder within 500 feet of the work area.
4. Other signs may be used in place of the "Road Work Ahead" sign, such as W21-8 (Mowing), W21-7 (Utility), or W21-6 (Survey) when applicable.

* Any sign of the W20-1 series may be used.

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SHEET NUMBER	
DESIGNED BY G. LEBLANC	PARISH
CHECKED BY J. COLVIN	CONTROL SECTION
DATE 7/2/18	STATE PROJECT
REVISION OR CHANGE ORDER DESCRIPTION	
BY DATE 7/2/18	
TTC-01	
TEMPORARY TRAFFIC CONTROL FOR WORK GREATER THAN 15 FEET FROM THE TRAVELED WAY	
DOTD TRAFFIC ENGINEERING	

T:\Traffic Signals\Standards\TSD's\2016 Specbook TSDs\Revised_04-12-17\TSD00, 04-12-2017.dgn 4/19/2017 09:2

- 1) **CONDUCTORS/CABLES**
- A) ALL CONDUCTORS AND CABLES FROM SIGNAL HEADS AND DETECTORS SHALL BE RUN IN UNDERGROUND CONDUIT, RISERS, ON POLES, OR ON MESSENGER CABLE AND SHALL BE RUN IN THE MOST DIRECT ROUTE TO THE CONTROLLER CABINET IN ACCORDANCE WITH THE PLANS.

B) A SPARE LENGTH OF CABLE SHALL BE INSTALLED AS SHOWN ON LADOTD STANDARD DETAIL SHEETS LABELED "SPAN WIRE INSTALLATION DETAILS" AND "JUNCTION BOX AND PULL BOX". SIX FEET OF SPARE SIGNAL CABLE, LOOP LEAD-IN, COMMUNICATION, AND SERVICE CABLE, SHALL BE INSTALLED IN EACH BASE MOUNTED CABINET IN ACCORDANCE WITH LADOTD STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES.
- 2) **CONDUIT**
- A) ALL UNDERGROUND CONDUIT INCLUDING ELBOW SHALL BE HDPE OR PVC SCHEDULE 80.

B) USE AN E-LOC COUPLING WHEN CONNECTING HDPE TO PVC.

C) ALL ABOVE GROUND CONDUIT AND FITTINGS SHALL BE RIGID STEEL AND HOT DIP GALVANIZED ACCORDING TO ANSI C80.1.

D) SIGNAL CONDUIT SHALL BE INSTALLED AT A MINIMUM DEPTH OF 24"

E) FIBER OPTIC CONDUIT SHALL BE INSTALLED AT A MINIMUM DEPTH OF 36"

F) ALL CONDUIT SHALL BE INSTALLED AT THE DEPTHS LISTED ABOVE FOR DITCH INVERT.

G) ALL CONDUIT CONNECTIONS SHALL BE SEALED WITH A WATERPROOF SEALING COMPOUND.

H) ALL CABLE AND WIRE ENTRANCES SHALL BE DUCT SEALED IN CABINET AFTER INSTALLATION.

I) NO MORE THAN 270 DEGREES OF BENDS IN CONDUIT WITHOUT A JUNCTION BOX.
- 3) **FOUNDATIONS**
- A) USE CLASS S CONCRETE WITH AN 8" SLUMP IN ACCORDANCE WITH SECTION 901.
- 4) **FOUNDATION DISPOSAL**
- A) THE CONTRACTOR SHALL DISPOSE OF ALL EXISTING CONTROLLER AND POLE BASE FOUNDATIONS. POLE BASE FOUNDATIONS SHALL BE SHAVED 24" BELOW NATURAL GROUND AND BACK FILLED. REMOVAL OF FOUNDATIONS SHALL BE IN ACCORDANCE WITH SECTION 202 OF THE LADOTD STANDARD SPECIFICATIONS.
- 5) **INTERSECTION SPECIFIC NOTES**
- A) SEE INDIVIDUAL INTERSECTION PLAN SHEETS.
- 6) **JUNCTION BOXES**
- A) THE MAXIMUM DISTANCE BETWEEN SIGNAL JUNCTION BOXES SHALL BE 500 FEET.

B) THE MAXIMUM DISTANCE BETWEEN JUNCTION BOXES USED FOR COMMUNICATIONS CABLE SHALL BE 1000 FEET.
- 7) **PROPERTY DAMAGE**
- A) ANY PROPERTY DAMAGED DURING CONSTRUCTION OPERATIONS SHALL BE THE CONTRACTORS RESPONSIBILITY.
- 8) **POWER SERVICE**
- A) THE POWER SOURCE SHOWN ON THE DRAWINGS IS APPROXIMATE AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATION OF THE POWER SOURCE.

B) THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH AND PAY THE POWER COMPANY FOR TEMPORARY AND PERMANENT ELECTRICAL SERVICE. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND POINTS OF ATTACHMENT BEFORE INSTALLATION IN ACCORDANCE WITH LADOTD STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES.

C) FROM THE POWER DISCONNECT, A 1" CONDUIT WITH THREE #6 AWG-IC STRANDED COPPER, SHALL BE TURNED UP THE POWER COMPANY SERVICE POLE TO A HEIGHT DESIGNATED BY THE POWER COMPANY. THE CONTRACTOR SHALL TERMINATE THE CONDUIT WITH A THREADED SERVICE ENTRANCE FITTING (WEATHER HEAD) AND WIRES SHALL BE A MINIMUM OF 2 FEET BEYOND THE WEATHER HEAD TO ALLOW CONNECTION TO POWER COMPANY WIRING WITH A DRIP LOOP.

D) THE CONTRACTOR SHALL COORDINATE POWER SERVICE CONNECTION WITH UTILITY COMPANY.
- 9) **POWER DISCONNECT**
- A) FROM THE POWER DISCONNECT TO THE CONTROLLER, A 2" CONDUIT WITH THREE #6 AWG-IC SHALL BE INSTALLED. MEASUREMENT FOR SIGNAL SERVICE PAYMENT WILL BE IN ACCORDANCE WITH SIGNAL SERVICE (PEDESTAL MOUNTED) FOR POWER DISCONNECT.

- B) A POWER DISCONNECT MUST BE LOCATED WITHIN THE SAME QUADRANT AS THE SIGNAL CONTROLLER CABINET AND MUST BE ABLE TO BE ACCESSED SAFELY WITHOUT OBSTACLES BETWEEN THE DISCONNECT AND THE CONTROLLER. IF THIS CONDITION CANNOT BE MET, A SEPARATE SIGNAL SERVICE (PEDESTAL MOUNTED) POWER DISCONNECT SHALL BE PROVIDED AT THE CONTROLLER LOCATION FOR EMERGENCY POWER SHUT-OFF.
- 10) **RIGHT-OF-WAY**
- A) THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE STATE RIGHT-OF-WAY LIMITS AND MAINTAINING ALL CONSTRUCTION WITHIN THESE LIMITS.
- 11) **SIGNAL CONTROLLER CABINET**
- A) THE CONTROLLER CABINET SHALL BE ORIENTED SUCH THAT SIGNAL PERSONNEL CAN FACE THE INTERSECTION WHEN OPENING THE CABINET. THE BACK OF THE CABINET SHALL PARALLEL THE MAIN ROADWAY.

B) A 3' X 5' X 4" CONCRETE PAD SHALL BE POURED IN FRONT OF CONTROLLER CABINET FOR A TYPICAL BASE MOUNTED CABINET FOUNDATION AND NEXT TO THE CONTROLLER CABINET POLE FOR POLE MOUNTED CABINETS, PAD SHALL BE INSTALLED ABOVE GROUND LEVEL TO PROVIDE AN ALL WEATHER STANDING AREA FOR SERVICE PERSONNEL.
- 12) **SIGNAL DETECTORS - LOOPS**
- A) THE PROJECT ENGINEER SHALL APPROVE THE DEPTH AND CLEANLINESS OF EACH DETECTOR LOOP SLOT BEFORE THE CONTRACTOR PLACES WIRE IN THE SLOT.

B) SHIELDED CABLE SHALL BE SPLICED TO LOOP WIRE AT A PULL BOX NEAREST THE LOOP (OR LOCATION SPECIFICALLY DESIGNATED ON THE PLANS) AND SHALL BE CONTINUOUS TO THE TERMINATION PANEL IN THE CONTROLLER CABINET. NO SPLICE SHALL BE PERMITTED BETWEEN THE LOOP LEAD-IN AND THE TERMINATION PANEL.

C) LOOPS OPERATING ON THE SAME PHASE SHALL BE WIRED IN SERIES. A SINGLE LOOP LEAD-IN WIRE SHALL BE RAN FROM THE JUNCTION BOX TO THE CONTROLLER.
- 13) **SIGNAL DETECTORS - VIDEO**
- A) ADJUST CAMERA IMAGE 10 FEET TO 15 FEET BEFORE STOP BAR TO ALLOW COUNT DETECTION TO BE PROGRAMMED AT A LATER DATE.
- 14) **SIGNAL EQUIPMENT LOCATION**
- A) LOCATIONS OF POLES, SIGNALS, LOOP DETECTORS, SYSTEM SENSORS, CONTROLLERS AND JUNCTION BOXES ARE APPROXIMATE. EXACT LOCATIONS SHALL BE APPROVED BY THE PROJECT ENGINEER.

B) THE CONTRACTOR SHALL STAKE THE RIGHT-OF-WAY EDGE OF THE PAVEMENT/CURB, LANE LINES, UTILITY MARKUP, AND ELEVATION & LOCATION OF EACH POLE FOUNDATION FOR THE PROJECT ENGINEER'S APPROVAL DURING THE ASSEMBLY PERIOD. ANY EXCEPTION HAS TO BE APPROVED BY THE PROJECT ENGINEER AFTER APPROVAL THE CONTRACTOR MAY PROCEED WITH THE INSTALLATION OF THE POLE FOUNDATION.

C) ONCE THE POLE FOUNDATION IS INSTALLED, MAST ARM LENGTHS SPECIFIED ON PLANS ARE TO BE VERIFIED TO ORDER THE MATERIALS. IF A TIME EXTENSION IS NEEDED, IT SHALL BE AT THE DISCRETION OF THE PROJECT ENGINEER TO GRANT THE EXTENSION.
- 15) **SIGNAL EQUIPMENT REMOVAL**
- A) ALL EXISTING TRAFFIC SIGNAL EQUIPMENT, CONTROL DEVICES, AND COMMUNICATIONS AT EACH INTERSECTION SHALL BE REMOVED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE PROJECT ENGINEER.

B) THE CONTRACTOR SHALL DELIVER ALL SALVAGEABLE EQUIPMENT TO THE OWNER.

C) THE REMOVAL AND DELIVERY OF EQUIPMENT TO THE OWNER SHALL BE PAID FOR UNDER ITEM FOR "REMOVAL OF TRAFFIC SIGNAL EQUIPMENT".
- 16) **SIGNAL POLE HEIGHT**
- A) THE CONTRACTOR SHALL PROVIDE HEIGHTS THAT ARE SUFFICIENT TO ENSURE THAT THE BOTTOM OF THE LOWEST SIGNAL ON AN ASSEMBLY IS NOT LESS THAN 17' ABOVE THE PAVEMENT. FOR MAXIMUM HEIGHT REFER TO THE CURRENT ADOPTED EDITION OF THE MUTCD.

B) SIGNAL HEAD ALIGNMENT AND CLEARANCE SHALL BE IN ACCORDANCE WITH THE LADOTD TRAFFIC SIGNAL DESIGN MANUAL.
- 17) **SIGNAL POLE FINISH REPAIR**
- A) IF HOT-DIPPED GALVANIZED STEEL POLES ARE DAMAGED, THE DAMAGED GALVANIZED AREA SHALL BE REPAIRED BY THE CONTRACTOR IN ACCORDANCE WITH SUBSECTION 811.12 OF THE LADOTD STANDARD SPECIFICATIONS.
- 18) **SIGNAL POLE ELECTRICAL CLEARANCES**
- A) THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING PROPER CLEARANCES FROM EXISTING UTILITY LINES AND LUMINARIES IN ACCORDANCE WITH THE NATIONAL ELECTRICAL SAFETY CODE.
- 19) **TRAFFIC CONTROL - EXISTING SIGNALS**

- A) THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTINUAL OPERATION OF THE NEW, EXISTING, OR TEMPORARY TRAFFIC SIGNALS DURING THE PERIOD OF CONSTRUCTION. THIS INCLUDES RELOCATING POLES, DETECTORS, SIGNAL HEADS, AND OTHER ITEMS. PROVIDE TEMPORARY POLES OR OTHER MATERIALS AS NECESSARY TO ENSURE THE CONTINUAL OPERATION OF THE SIGNAL AND COMMUNICATION EQUIPMENT AT ALL TIMES. WHERE VEHICLE DETECTORS ARE PRESENT, VEHICLE DETECTION MUST BE MAINTAINED.
- B) THE CHANGEOVER SHALL BE SCHEDULED DURING NON PEAK HOUR TRAFFIC CONDITIONS UNLESS DIRECTED OTHERWISE BY THE PROJECT ENGINEER, AS ADVISED BY THE OFFICE OF THE DISTRICT TRAFFIC OPERATIONS ENGINEER.
- 20) **UTILITIES**
- A) UNDERGROUND UTILITIES MAY EXIST IN THE CONSTRUCTION AREAS. THE LOCATION AND TYPE IF SHOWN IS NOT GUARANTEED TO BE ACCURATE NOR ALL INCLUSIVE. THE INFORMATION IS SHOWN SOLELY FOR USE IN ESTABLISHING DESIGN CONTROLS FOR THE PROJECT. THE ENGINEER DOES NOT GUARANTEE ACCURACY OR GUARANTEE THAT ALL UTILITIES ARE SHOWN.

B) BEFORE ANY EXCAVATIONS, THE CONTRACTOR SHALL CONTACT "LOUISIANA ONE CALL", THE APPROPRIATE UTILITY COMPANY, AND LADOTD TRAFFIC OPERATIONS SECTION AT (225)935-0100 FOR LOCATION OF THE UNDERGROUND SERVICE A MINIMUM OF 48 HOURS PRIOR TO BEGINNING CONSTRUCTION. THE "LOUISIANA ONE CALL" NUMBER IS 1-800-272-3020.

C) THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, DEPTH, AND SIZE OF ALL UNDERGROUND UTILITIES AND STRUCTURES AND SHALL BE LIABLE FOR ANY DAMAGES CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR MAKING INDEPENDENT INVESTIGATIONS, INCLUDING ANY SUBSURFACE INVESTIGATIONS AS NECESSARY.
- 21) **INSPECTION**
- A) CONTRACTOR SHALL BE REQUIRED TO CALL LADOTD TRAFFIC OPERATIONS SECTION AT (225)935-0100 AT LEAST 7 DAYS BEFORE BEGINNING CONSTRUCTION ACTIVITIES.

B) CONTRACTOR SHALL BE REQUIRED TO CALL LADOTD TRAFFIC OPERATIONS SECTION AT (225)935-0100 AT LEAST 7 DAYS BEFORE SIGNAL TURN ON TO SCHEDULE FOR A FINAL INSPECTION AND TO SCHEDULE FOR AN INSPECTOR TO BE PRESENT AT SIGNAL TURN ON.
- 22) **COMMUNICATIONS - FIBER**
- A) ANY FIBER OPTIC CABLE INSTALLED SHALL BE REQUIRED TO HAVE A 10 AWG, GREEN, 600V COPPER CONDUCTOR, STRANDED OR OTHER APPLICABLE TRACER WIRE IN THE SAME CONDUIT. PAYMENT WILL BE MADE UNDER THE FIBER OPTIC CABLE PAY ITEM.
- 23) **BRIDGE/RAILROAD PREEMPTION**
- A) INSTALL ONE 120VAC RELAY IN THE SIGNAL CABINET. THE RELAY IS ENERGIZED IN ABSENCE OF BRIDGE/RAILROAD PREEMPTION CALLS AND IS DE-ENERGIZED WHEN PREEMPTION CALLS ARE PRESENT. THE RELAY IS ACTIVATED BY THE CONTROL DESK SWITCH THAT CONTROLS BRIDGE FLASHERS OR THE RAILROAD CONTROL HOUSE SWITCH.

B) RUN A #14 TWO CONDUCTOR WIRE IN A MIN 1" PVC CONDUIT BETWEEN TRAFFIC SIGNAL CABINET TO THE DESIGNATED TERMINAL BLOCKS INSIDE THE RAILROAD HOUSE, BRIDGE CONTROL HOUSE OR THE MAIN BRIDGE JUNCTION BOX WHERE SPARE TERMINAL BLOCKS ARE AVAILABLE. 6' SPARE WIRE IS REQUIRED WHEN CONNECTION IS MADE AT THE JUNCTION BOX. 15' SPARE WIRE IS REQUIRED WHEN CONNECTION IS MADE INSIDE THE BRIDGE OR RAILROAD CONTROL HOUSE.

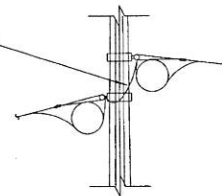
C) DESIGNERS SHALL VERIFY BRIDGE CONTROL CONNECTION LOCATIONS WITH LA DOTD BRIDGE ELECTRICAL SECTION.

D) DESIGNERS SHALL VERIFY TRACK CLEARANCE TIME AND BRIDGE PREEMPTION SEQUENCE WITH THE DISTRICT TRAFFIC OPERATIONS ENGINEER.

E) BRIDGE OR RAILROAD CONTROL HOUSE PROVIDES NORMALLY-CLOSED CONTACT CONNECTION.



SHEET NUMBER		PARISH		FEDERAL PROJECT		STATE PROJECT	
DESIGNED	CHECKED	S. MCCARROLL	D. LORIO	DETAILED	CHECKED	S. MCCARROLL	L. WANG
DATE		04/12/2017		DATE		04/12/2017	
BY				DATE		04/12/2017	
REVISION DESCRIPTION				DATE		04/12/2017	
NO.				DATE		04/12/2017	
TRAFFIC SIGNAL STANDARD DETAILS		SIGN NOTES		TSD-00		TRAFFIC ENGINEERING	



VARIES AS REQUIRED
FOR PROPER SAG

6' OF CABLE IN-
LOOP INSTALLED AT
EACH POINT WHERE
SPAN ATTACHES TO
POLE.

17' MIN.

* SEE NOTES 1, 2, AND 3

POLE FOUNDATION SHALL EXTEND A MINIMUM
OF 12' BELOW GROUND LEVEL.

$$\text{POLE HEIGHT (PH)} = \text{ED} + \text{S} + \text{SHH} + \text{C} + 1 \text{ FOOT}$$

7

PER FOOT. WRAPPING WIRE SHALL BE USED TO TIE CABLE TOGETHER AT BOTTOM OF EACH DRIP LOOP. WRAPPED CABLE SHALL BE STRAIGHT AND ON BOTTOM OF SPAN.

SLOPE ON BOTH SIDES OF SIGNAL HEADS SHALL BE A MAXIMUM SAG OF 10% AND A MINIMUM OF 5% WHEN APPROVED BY THE DISTRICT TRAFFIC ENGINEER FROM POLE TO CENTER OF SIGNAL HEADS ON SPAN.

NO SAG BETWEEN SIGNALS

6' OF CABLE IN LOOPS

8' MIN.

8' MIN.

* SEE NOTES 1, 2, AND 3

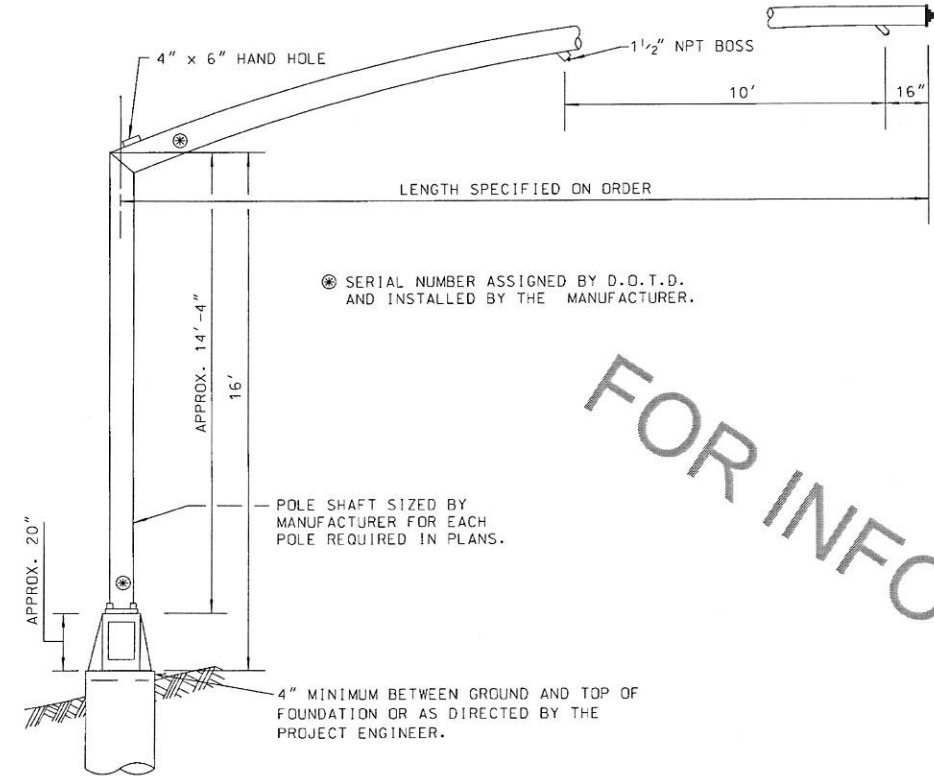
CROWN OF ROAD

1. REFER TO THE PLANS FOR SIGNAL HEAD TYPE, NUMBER AND PLACEMENT.
2. ALL SIGNAL HEADS SHALL BE 17' MINIMUM HEIGHT. FOR MAXIMUM HEIGHT, REFER TO THE MUTCD CURRENT ADOPTED EDITION.
3. SIGNAL HEADS FOR PRIMARY MOVEMENT ON SPECIFIC APPROACH SHALL BE CENTERED OVER APPROACH. TURN LANE HEADS SHALL BE PLACED WITH ADEQUATE SPACING FROM LEFT MOST PRIMARY HEAD.
4. SIGNAL CABLE SHALL ENTER POLE BY WIRE WAY PROVIDED ON POLE. WEATHER HEAD SHALL BE SIZED ACCORDING TO THE NUMBER OF CABLES IN 3" BOSS PROVIDED WITH NECESSARY REDUCERS.
5. A SEPARATE POLE BAND MAY BE REQUIRED TO ATTACH PERPENDICULAR SPAN TO POLE MEETING THE REQUIREMENTS FOR SIGNAL HEIGHT AND SAG.
6. IN ALL CASES, THE MAXIMUM STRAIN POLE HEIGHT SHALL BE USED TO MEET THE 17' SIGNAL HEIGHT BEFORE ANY FOUNDATION ADJUSTMENTS ARE MADE. ADJUSTMENTS TO THE FOUNDATION MUST BE APPROVED BY THE PROJECT ENGINEER.

[illegible]

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50' SINGLE, 45'X40'DUAL, AND UNDER MAST ARM, STEEL STRAIN POLE STANDARD

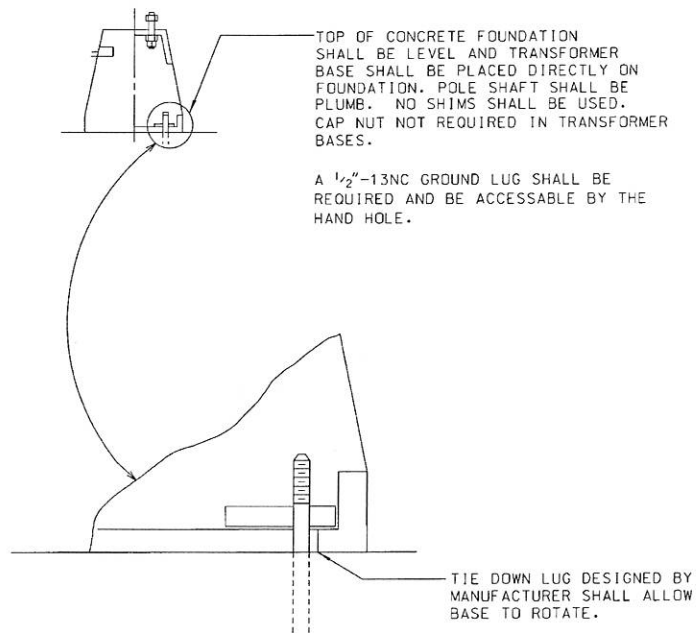


END OF ARM SHALL BE ELEVATED 5' ABOVE TOP OF SHAFT AND PROVIDE A 21' MINIMUM ELEVATION DIFFERENCE FROM THE BOTTOM OF TRANSFORMER BASE.

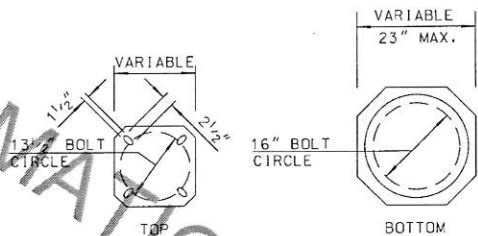
⊗ SERIAL NUMBER ASSIGNED BY D.O.T.D. AND INSTALLED BY THE MANUFACTURER.

- NOTE:
1. ALL BOSSES SHALL BE PLUGGED WITH A 1 1/2" GALVANIZED STEEL CONDUIT PLUG WITH A SQUARE HEAD HDG. WHEN CABLE IS ROUTED THROUGH THE BOSS A RUBBER COMPRESSION BUSHING SHALL BE USED TO SEAL AND HOLD CABLE IN BOSS. CABLE SHALL BE SECURED TO MAST ARM FROM BOSS TO SIGNAL HEAD WITH 1/2" WIDE WEATHER RESISTANT TIE WRAPS.
 2. TEN (10) CONDUCTOR SIGNAL CABLE FROM CONTROLLER MAY BE SPLICED IN TRANSFORMER BASE TO TWO (2) - SIX (6) CONDUCTOR SIGNAL CABLES ROUTED TO TWO (2) - THREE (3) SECTION SIGNAL HEADS ON THE MAST ARM. NO OTHER SPLICING SHALL BE ALLOWED.
 3. ALL SPLICES SHALL BE MADE WITH AN ALL COPPER OPEN-ENDED COMPRESSION SPLICE CAP INSTALLED TO THE MANUFACTURES RECOMMENDED METHOD AND INSULATED. (WIRE NUTS SHALL NOT BE ALLOWED)

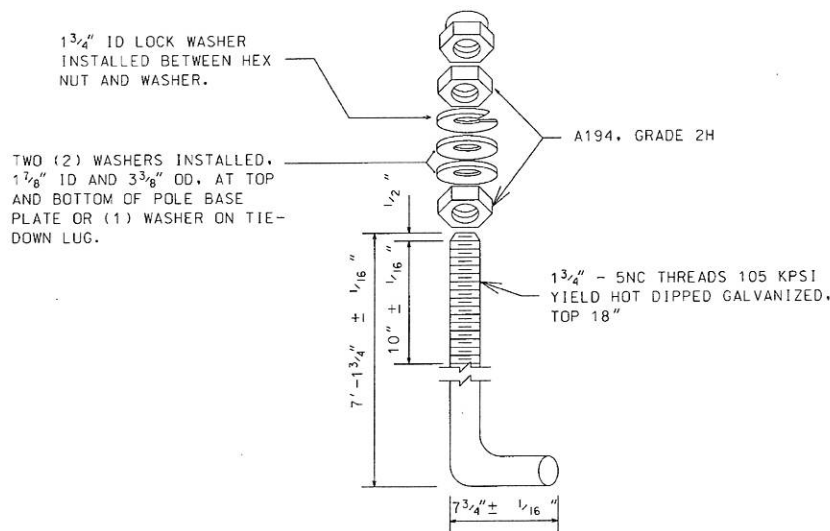
ROTATABLE BASE



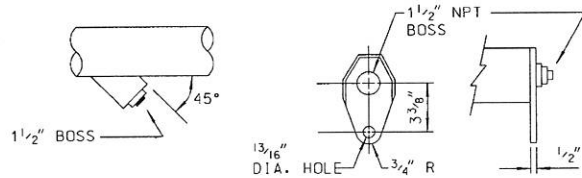
TRANSFORMER BASE DETAIL



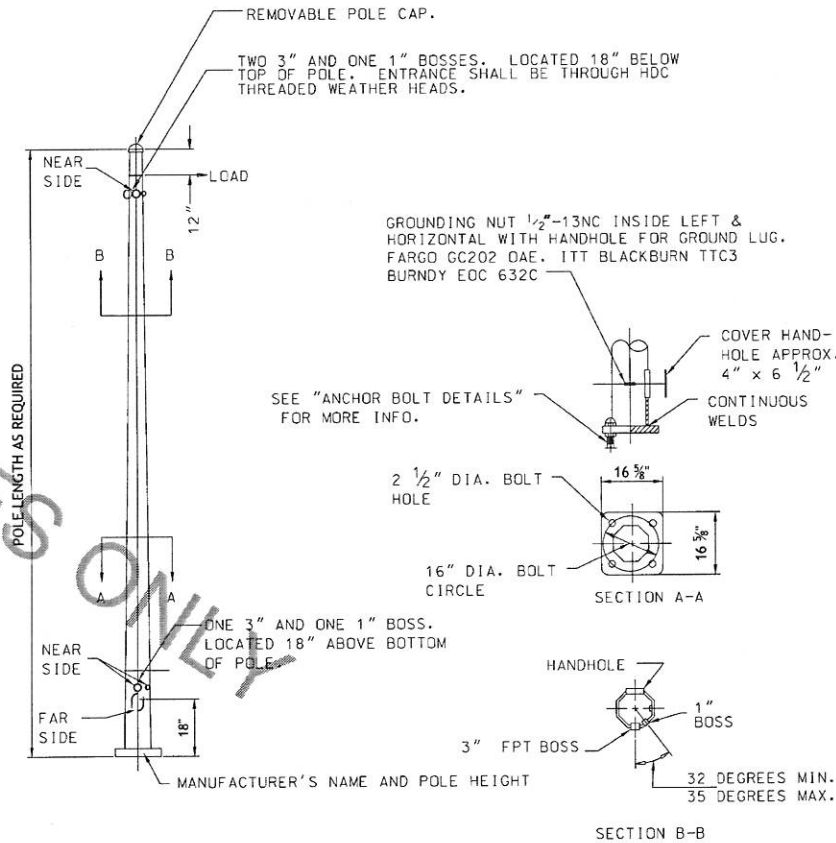
ANCHOR BOLT DETAILS FOR STRAIN POLES AND MAST ARMS



BOSS AND END PLATE DETAIL



STEEL STRAIN POLE



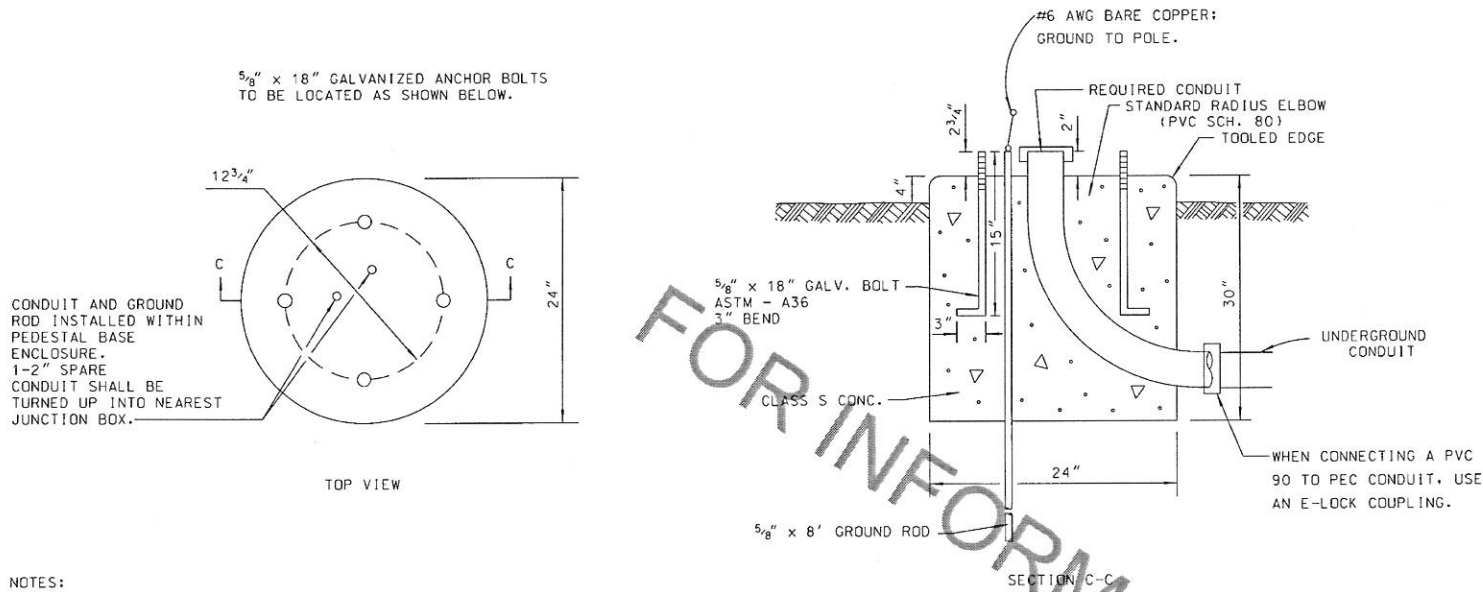
- NOTE:
1. STEEL POLE BASEPLATES SHALL HAVE A 16" DIAMETER BOLT CIRCLE.
 2. VENDORS SHALL BE AMERICAN INSTITUTE OF STEEL CONSTRUCTORS (AISC) CERTIFIED.



TRAFFIC SIGNAL STANDARD DETAILS		TSD-02				NO.		DATE		BY		DESIGNED		S. MCCARROLL		PARISH		SHEET NUMBER	
STRAIN POLE AND MAST ARMS 55' AND UNDER DETAIL		CHECKED										D. LORIO		FEDERAL PROJECT					
												DETAILED		S. MCCARROLL		STATE PROJECT			
												CHECKED		L. WANG					
												DATE		8/12/2017					
												REVISION DESCRIPTION		3 OF 14					

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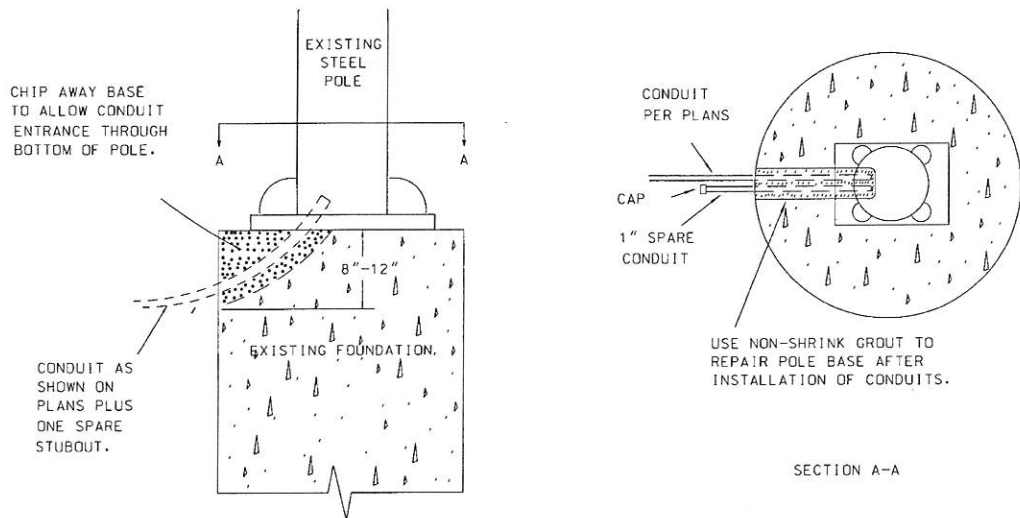
SIGNAL PEDESTAL FOUNDATION



NOTES:

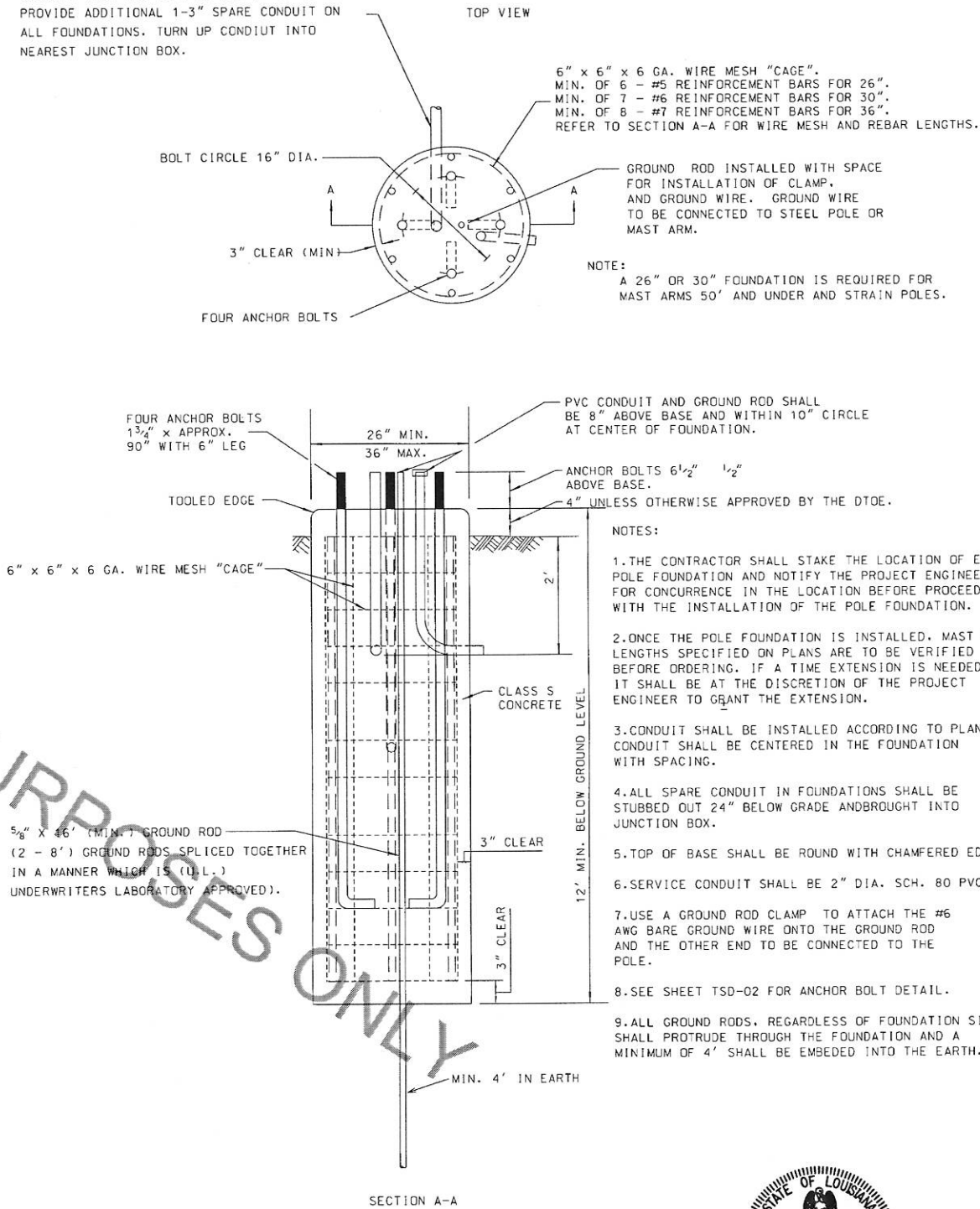
1. TRAFFIC SIGNAL ANCHOR BOLTS SHALL PROTRUDE 2 3/4" MIN. - 3" MAX. ABOVE FINISHED PEDESTAL FOUNDATION. CONDUIT AND GROUND RODS SHALL PROTRUDE 2" ABOVE FINISHED FOUNDATION.
2. BACKFILL OVER CONDUIT RUNS SHALL BE OF SOIL OR SAND AND SHALL NOT CONTAIN ROCKS OR CONCRETE.
3. ALL 90° ELLS TO BE STANDARD RADIUS.

CONDUIT ENTRANCE DETAIL TO EXISTING FOUNDATION



50' SINGLE, 45' X 40' DUAL, AND UNDER
MAST ARM, STEEL STRAIN POLE STANDARD

CONDUIT (NO. AND SIZE AS REQ'D. ON PLANS).
PROVIDE ADDITIONAL 1-3" SPARE CONDUIT ON
ALL FOUNDATIONS. TURN UP CONDUIT INTO
NEAREST JUNCTION BOX.



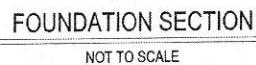
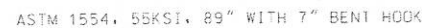
NOTES:

1. THE CONTRACTOR SHALL STAKE THE LOCATION OF EACH POLE FOUNDATION AND NOTIFY THE PROJECT ENGINEER FOR CONCURRENCE IN THE LOCATION BEFORE PROCEEDING WITH THE INSTALLATION OF THE POLE FOUNDATION.
2. ONCE THE POLE FOUNDATION IS INSTALLED, MAST ARM LENGTHS SPECIFIED ON PLANS ARE TO BE VERIFIED BEFORE ORDERING. IF A TIME EXTENSION IS NEEDED, IT SHALL BE AT THE DISCRETION OF THE PROJECT ENGINEER TO GRANT THE EXTENSION.
3. CONDUIT SHALL BE INSTALLED ACCORDING TO PLANS. CONDUIT SHALL BE CENTERED IN THE FOUNDATION WITH SPACING.
4. ALL SPARE CONDUIT IN FOUNDATIONS SHALL BE STUBBED OUT 24" BELOW GRADE AND BROUGHT INTO JUNCTION BOX.
5. TOP OF BASE SHALL BE ROUND WITH CHAMFERED EDGE.
6. SERVICE CONDUIT SHALL BE 2" DIA. SCH. 80 PVC.
7. USE A GROUND ROD CLAMP TO ATTACH THE #6 AWG BARE GROUND WIRE ONTO THE GROUND ROD AND THE OTHER END TO BE CONNECTED TO THE POLE.
8. SEE SHEET TSD-02 FOR ANCHOR BOLT DETAIL.
9. ALL GROUND RODS, REGARDLESS OF FOUNDATION SIZE SHALL PROTRUDE THROUGH THE FOUNDATION AND A MINIMUM OF 4' SHALL BE EMBEDDED INTO THE EARTH.



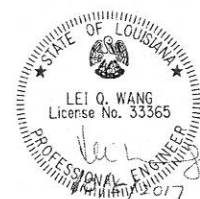
SHEET NUMBER		PARISH		FEDERAL PROJECT		STATE PROJECT	
DESIGNED	CHECKED	S. MCCARROLL	D. LORIO	DESIGNED	CHECKED	S. MCCARROLL	D. LORIO
DATE	SHEET	DATE	SHEET	DATE	SHEET	DATE	SHEET
8/12/2017	4 OF 14	8/12/2017	4 OF 14	8/12/2017	4 OF 14	8/12/2017	4 OF 14
TRAFFIC SIGNAL STANDARD DETAILS		POLE FOUNDATION DETAILS		TRAFFIC ENGINEERING		TSD-03	

STATE OF LOUISIANA
LEI Q. WANG
License No. 33365
PROFESSIONAL ENGINEER
6/12/2017



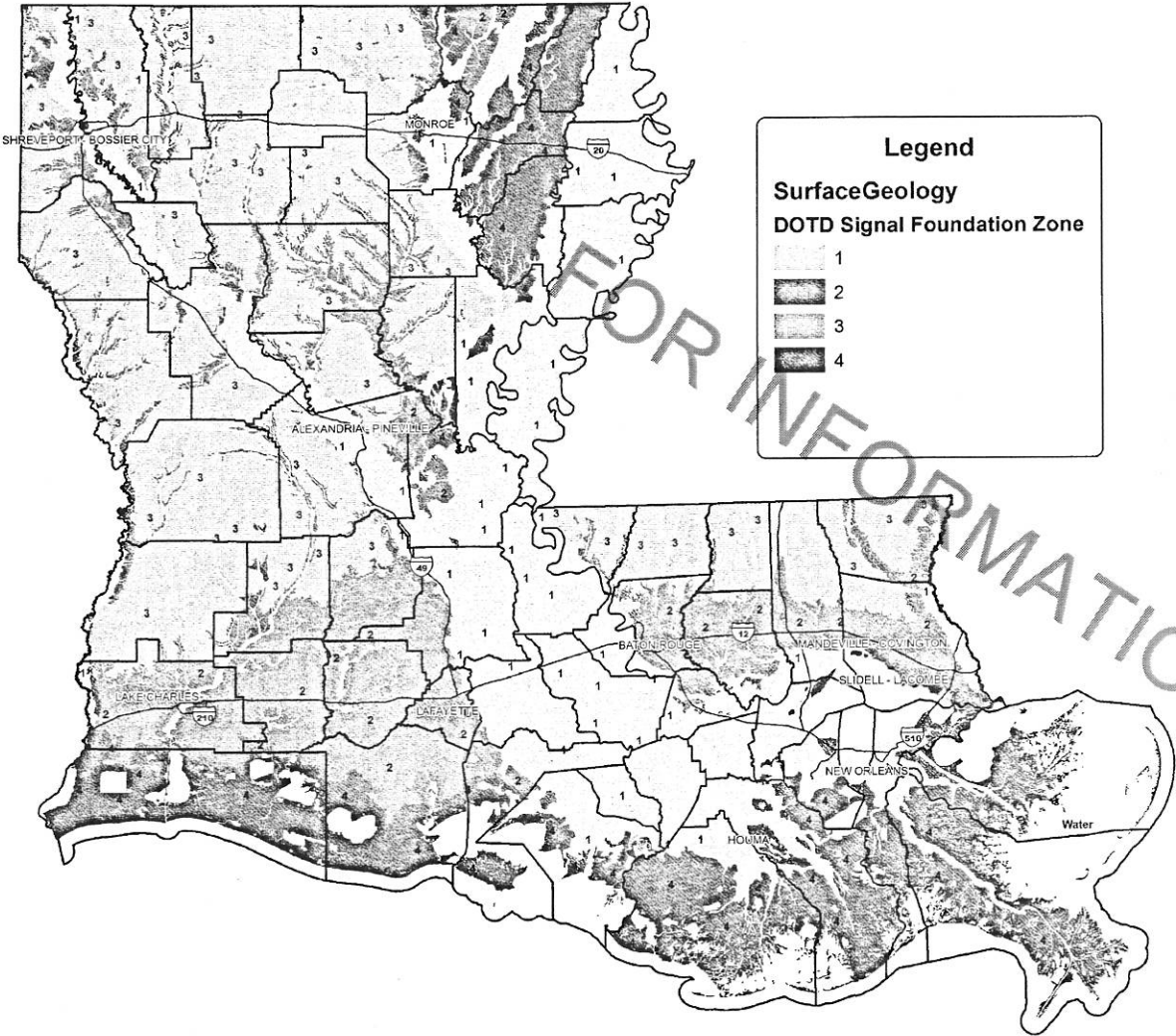
*: Special Design Foundation Required

1. FOUNDATIONS FOR MAST ARM LENGTHS REQUIRING A SPECIAL DESIGN FOUNDATION SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE AASTHO LRFD BRIDGE DESIGN SPECIFICATIONS.
2. FOUNDATION LOADS FOR THE CORRESPONDING MAST ARM LENGTH PROVIDED IN THE FOUNDATION SIZE SELECTION TABLE SHALL BE USED TO DESIGN THE FOUNDATION SIZE AND DEPTH. THE LOADS IN THE TABLE WERE PROVIDED BY THE MAST ARM MANUFACTURERS AND ARE BASED ON A 25-YEAR RECURRENCE INTERVAL AND A WIND SPEED OF 110 MPH. THESE LOADS SHALL ONLY BE USED FOR DESIGN OF THE FOUNDATION.
3. WHEN A SPECIAL DESIGN FOUNDATION IS REQUIRED THE FOUNDATION DESIGN SHALL BE BASED ON SITE SPECIFIC SUBSURFACE INFORMATION. IF SITE SPECIFIC DATA IS NOT MADE AVAILABLE BY DOTO THE DESIGNER SHALL BE RESPONSIBLE FOR OBTAINING SITE SPECIFIC SUBSURFACE INFORMATION.
4. DESIGN CALCULATIONS FOR THE FOUNDATION SHALL BE SUBMITTED TO THE TRAFFIC ENGINEERING SECTION FOR REVIEW.



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GENERAL STATIC MAP FOR FOUNDATION REQUIREMENTS SHOWN HERE.
SEE <http://goo.gl/QHv2o3> FOR LOCATION SPECIFIC CLASSIFICATION.
ALTERNATIVE: LADOTD WEBSITE/HOME/INSIDE LADOTD/DIVISIONS/OPERATIONS /TRAFFIC SERVICES/TRAFFIC OPERATIONS/APPROVED PRODUCT LIST/TOAPL 165.



- FOUNDATION SIZE ZONING:
1. FOUNDATION ZONES ARE BASED ON THE 1984 GEOLOGICAL MAP OF LOUISIANA PUBLISHED BY THE LOUISIANA GEOLOGICAL SURVEY. LOCAL GEOLOGICAL VARIATIONS ARE LIKELY DUE TO HUMAN ACTIVITIES OR NATURAL EVENTS.
 2. THE ZONING MAP IS INTENDED TO ASSIST IN SIZING FOUNDATION FOR SELECTED SIGNAL POLES AND SHOULD NOT BE VIEWED AS A SUBSTITUTE OF ENGINEERING JUDGMENT OR PROPER DESIGN.
 3. SOME SOILS SUCH AS GRAVEL OR CEMENTED SOILS MAY NOT BE AMENABLE TO THE CONVENTIONAL DRILLED SHAFT CONSTRUCTION. EXERCISE CAUTION AND SEEK CONFIRMATION OF THE SOIL CONDITIONS DURING DESIGN AND/OR DURING SHAFT EXCAVATION.

ZONE 1 - ALLUVIAL SOILS FORMED BY THE RED RIVER, THE OUACHITA RIVER, THE ATCHAFALAYA RIVER, AND THE MISSISSIPPI RIVER. ASSUMED AVERAGE SOIL SHEAR STRENGTH IS AT LEAST 250 POUNDS PER SQUARE FOOT (PSF).

ZONE 2 - PLEISTOCENE AGE PRAIRIE TERRACES DEPOSITS. ASSUMED AVERAGE SOIL SHEAR STRENGTH IS AT LEAST 500 PSF.

ZONE 3 - PLEISTOCENE AGE OR OLDER DEPOSITS OTHER THAN ZONE 2. ASSUMED AVERAGED SHEAR STRENGTH IS AT LEAST 1,000 PSF.

ZONE 4 - MOSTLY COASTAL MARSH AND SAND/GRAVEL DEPOSITS. SPECIAL DESIGN IS REQUIRED FOR THE SIGNAL POLE WITHIN THIS ZONE.

CONSTRUCTION NOTES:

1. IF GROUNDWATER IS ENCOUNTERED DURING FOUNDATION EXCAVATION AND NO CAVE IN IS OBSERVED, THE GROUNDWATER SHOULD BE PUMPED OUT PRIOR TO STEEL CAGE PLACEMENT. THE WATER REMAINS IN THE EXCAVATION SHOULD BE NO MORE THAN 1/2 INCH.
 2. IF GROUNDWATER IS ENCOUNTERED DURING FOUNDATION EXCAVATION AND CAVE IN IS OBSERVED, THE EXCAVATION SHOULD BE CEASED. CONTACT THE PROJECT ENGINEER IMMEDIATELY. SHOULD THE CAVING IS EXCESSIVE, BACKFILL THE EXCAVATION IMMEDIATELY.
 3. FREE FALL CONCRETE IS ALLOWED FOR DRY HOLES ONLY. THE CONCRETE SHALL BE PLACED WITH A HOPPER OR A TREMIE. WHEN FREE FALL METHOD IS USED, CONTROL THE CONCRETE TO FALL VERTICALLY WITHOUT CONTACTING SHAFT WALL OR STEEL CAGE TO PREVENT SEGREGATION.
 4. CONCRETE PLACEMENT WITH A TREMIE IS REQUIRED IF EXCESSIVE GROUNDWATER (MORE THAN 6 INCHES ACCUMULATION) IS ENCOUNTERED.
- WHEN THE SOIL CONDITIONS ARE SUSPECTED TO BE DIFFERENT THAN THOSE DESCRIBED IN THE FOUNDATION SIZE ZONING, CONTACT THE PROJECT ENGINEER IMMEDIATELY TO EVALUATE THE SUITABILITY OF THE FOUNDATION DESIGN.

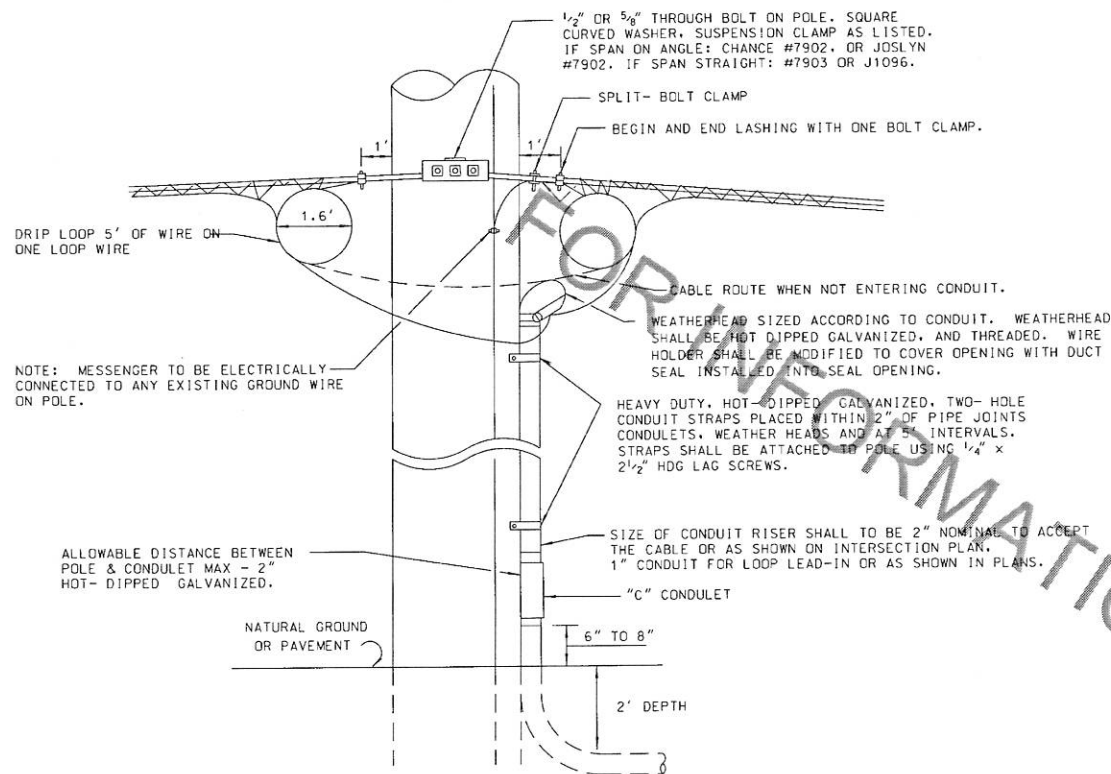


DESIGNED	S. MCCARROLL	PARISH		SHEET	7 OF 18
CHECKED	D. LORIO	FEDERAL PROJECT		DATE	8/4/22/2017
DETAILED	S. MCCARROLL	STATE PROJECT		BY	
CHECKED	L. WANG			REVISION DESCRIPTION	
TRAFFIC SIGNAL STANDARD DETAILS					
55' SINGLE, 50'X35' DUAL, AND OVER MAST ARM DETAIL					
FOUNDATION DETAILS					
POLE FOUNDATION DETAILS					
TSD-06					
TRAFFIC ENGINEERING					

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TYPICAL CONDUIT RISER ASSEMBLY & INTERCONNECT DETAIL

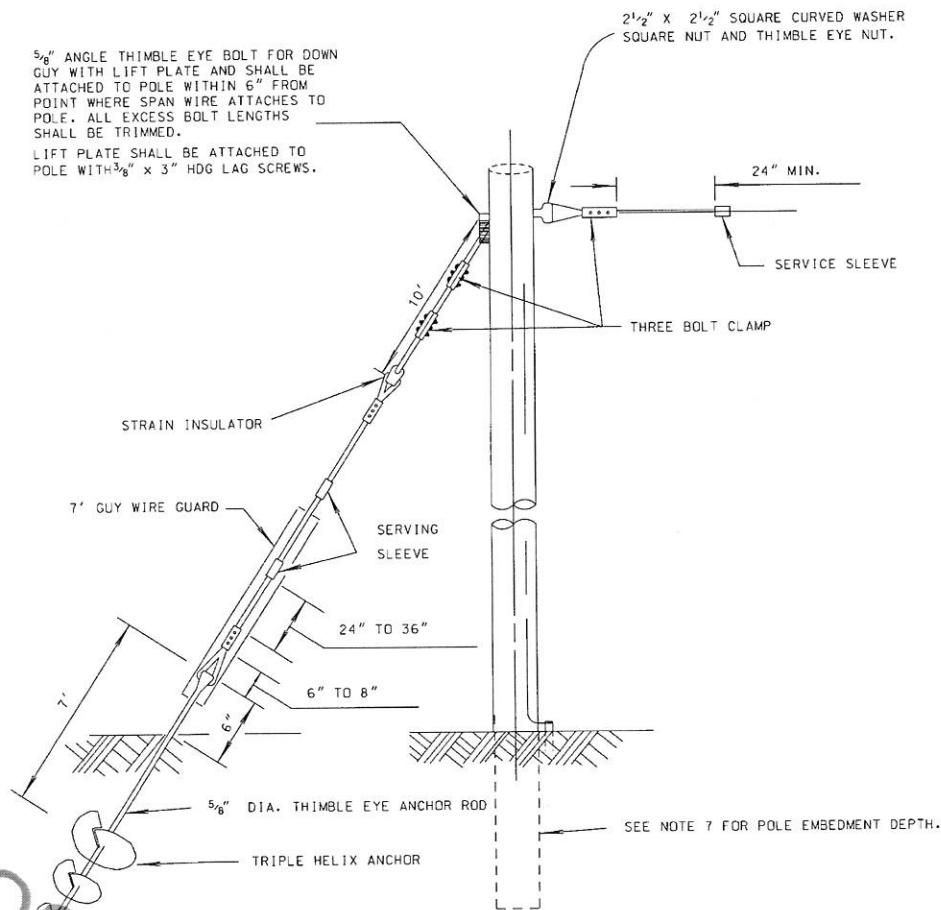


NOTES:

1. PROVIDE DRIP LOOPS ON BOTH SIDES OF SPLICE AND ON BOTH SIDES OF INTERSECTING STREETS.
2. 1/4\"
3. STAINLESS STEEL LASHING WIRE 0.045\"
4. MAXIMUM SAG FOR INTERCONNECT MESSENGER CABLE SHALL BE 2% WITH MINIMUM CLEARANCE ABOVE ROADWAY OF 18'.
5. SHOULD UNUSUAL CIRCUMSTANCES BE ENCOUNTERED, SPLICING SHALL BE APPROVED BY THE PROJECT ENGINEER.
6. WHEN INTERCONNECT IS DEAD ENDED AT POLE, HARDWARE AS SHOWN FOR WOOD POLE DETAIL SHALL BE USED.
7. INSTALLATION SHALL BE CLASSIFIED AS 120 VAC SECONDARY LOCATED BELOW POWER COMPANY EQUIPMENT ABOVE OTHER UTILITIES IN ACCORDANCE WITH NATIONAL ELECTRIC SAFETY CODE.

WOOD POLE DETAIL

FOR EXISTING AND NEW



NOTES:

1. TIEBACK ANCHORS MAY BE REQUIRED AS DIRECTED BY THE PROJECT ENGINEER.
2. TOP OF POLE SHALL BE CAPPED WITH MALLEABLE ALUMINUM 0.032\"
3. TOP OF POLE TRIMMED LEAVING A MAXIMUM OF 18\"
4. THE ANCHOR ROD SHALL BE A MINIMUM OF 5/8\"
5. ALL POLES INSTALLED SHALL HAVE A #6 AWG BARE COPPER WIRE INSTALLED THE LENGTH OF POLE WITH BUTT GROUND (APPROVED BY INSPECTOR PRIOR TO INSTALLATION OF POLE) OR CONNECT TO 5/8\"
6. CLASS 3 POLE SHALL BE USED AND CREOSOTED IN ACCORDANCE WITH LADOTD STANDARD SPECIFICATIONS.
7. GENERALLY, ANCHORS ARE 20' TO 30' BEHIND THE POLE IN LINE WITH THE SPAN. RESTRICTION TO THIS WILL BE PROPERTY LINES OR OBSTRUCTIONS. ALL ATTACHMENT FITTINGS SHALL BE HOT-DIPPED GALVANIZED UNLESS STATED OTHERWISE. POLES EMBEDDED IN GROUND AS FOLLOWS: 35' POLE - 6', 40' POLE - 7', 45' POLE - 8'.



SHEET NUMBER	PARISH	FEDERAL PROJECT	STATE PROJECT
DESIGNED S. MCCARROLL	CHECKED D. LORIO	DETAILED S. MCCARROLL	CHECKED L. WANG
DATE 04/12/2017	SHEET 8 OF 14	BY	REVISION DESCRIPTION
NO.	DATE	NO.	DATE
TRAFFIC SIGNAL STANDARD DETAILS	WOOD POLE AND CONDUIT RISER DETAIL	TSD-07	TRAFFIC ENGINEERING

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WOOD POLE

STANDARD HUBS AND FITTINGS FASTENED WITH 3/8" HDG LAG SCREWS.

SIGNAL BRACKET SHALL HAVE WIRE WAY AND OPENING EQUIVALENT TO A 1 1/2" CONDUIT AND FITTING.

1" HDG CONDUIT AND PIPE STRAPS INSTALLED AT 5' INTERVALS BEGINNING AT OFFSET.
ALL CONDUIT STRAP ON WOOD POLES SHALL BE TWO HOLE, HEAVY DUTY, 1/2" MIN. THICKNESS FOR 1" AND ABOVE, AND 0.080" FOR 3/4".

COMBINATION POST HUB (DOWNWARD SHOWN) MAY ALSO BE INSTALLED UPWARD

BOTTOM OF ALL SIDE POLE MOUNTED VEHICLE HEADS SHALL HAVE 9' CLEARANCE FROM SIDEWALK OR ADJACENT ROADWAY.

METAL POLE (STRAIN OR MAST ARM)

STANDARD HUBS AND FITTINGS

BACKPLATE WITH 3" REFLECTIVE STRIP REQUIRED

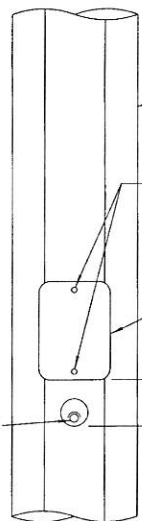
SIGNAL BRACKET SHALL HAVE WIRE WAY AND OPENING EQUIVALENT TO A 1 1/2" CONDUIT AND FITTING.

FIELD DRILL WIRE ENTRANCE HOLE. REMOVE ALL SHARP EDGES.

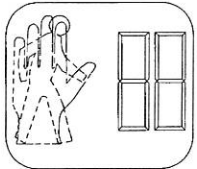
3/4" S.S. BANDING MATERIAL
FIELD DRILL WIRE ENTRANCE HOLE. REMOVE ALL SHARP EDGES.

SIGNAL CABLE

PEDESTRIAN SIGNAL



ONE-SECTION COUNTDOWN PEDESTRIAN SIGNAL (16" X 18" SYMBOL TYPE)



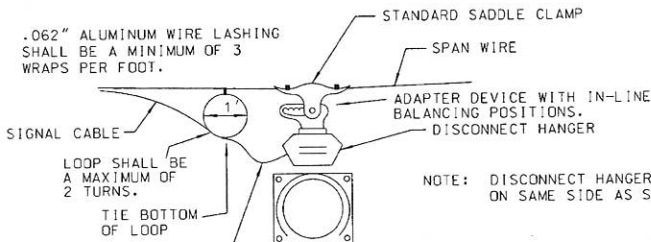
NOTES:

1. PEDESTRIAN PUSH BUTTONS SHALL BE FURNISHED AND INSTALLED WITH COUNTDOWN PEDESTRIAN SIGNALS AS SHOWN IN PLANS. PEDESTRIAN PUSH BUTTONS MAY ALSO BE REQUIRED AT OTHER INTERSECTIONS, AS DESIGNATED ON INTERSECTION LAYOUT SHEETS OF THE PLANS.
2. THE CONTRACTOR SHALL FURNISH AND INSTALL ABOVE EACH PEDESTRIAN PUSH BUTTON A R10-3E(L), R10-3E(R) SIGN AS APPROPRIATE FOR CIRCUMSTANCES. THE DIRECTIONAL ARROW SHALL BE PLACED IN THE DIRECTION OF CROSSWALK.
3. COUNTDOWN PEDESTRIAN SIGNALS MAY BE PLACED EITHER ON TOP OF PEDESTAL OR ON THE SIDE OF A MAST ARM OR STRAIN POLE AS REQUIRED BY PLANS.
4. CLEARANCE FROM THE BOTTOM OF PEDESTRIAN SIGNAL HEADS TO SIDEWALK OR NATURAL GROUND SHALL BE 8' OR SHALL CONFORM TO THE CURRENT ADOPTED EDITION OF THE MUTCD.
5. IF A PEDESTAL IS USED FOR A PUSH BUTTON ONLY, THE TOP OF THE POLE SHALL BE CAPPED.

BRACKET MOUNTED TRAFFIC SIGNALS

SPAN WIRE SIGNAL MOUNT

SIGNAL HEADS SHALL BE PLUMB. AN ADDITIONAL BALANCE ADJUSTER SHALL BE USED WHERE REQUIRED. TYPICAL SIGNAL SHOWN, ALSO APPLIES TO 2, 3 & 4-WAY ARRANGEMENT.



NOTE: DISCONNECT HANGER DOOR TO BE ON SAME SIDE AS SIGNAL FACE.

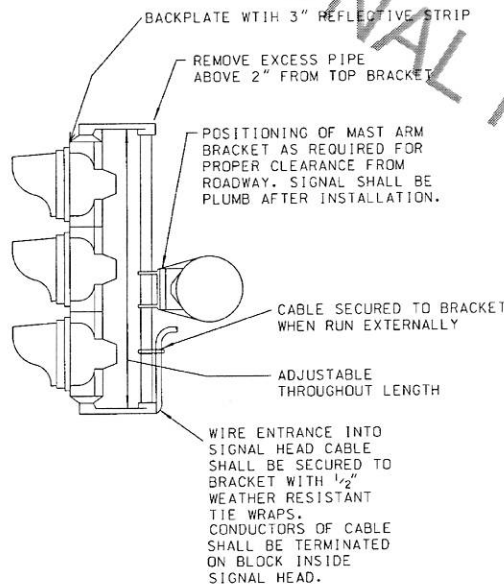
STANDARD CAP VISOR UNLESS OTHERWISE NOTED ON PLANS.

CABLE CLAMP SHALL BE LOCATED AT WIRE ENTRANCE INTO DISCONNECT HANGER AND SHALL BE TIGHTENED AFTER INSTALLATION IS COMPLETE.

NOTE:
ALL UNUSED OPENINGS SHALL BE PLUGGED AND SEALED.

MAST ARM SIGNAL MOUNT

HEIGHT OF SIGNAL FACES SHALL CONFORM TO THE HEIGHTS SPECIFIED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT ADOPTED EDITION.



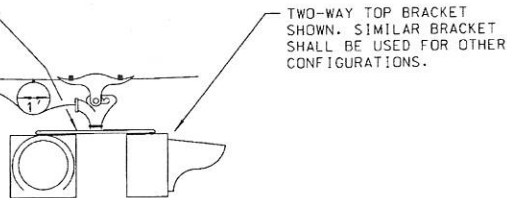
SPAN WIRE FLASHING BEACON MOUNT

ONE 2-WAY HEAD

ALL HEADS SHALL BE HORIZONTALLY ALIGNED

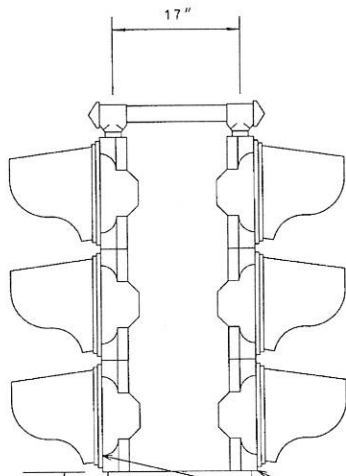
TERMINAL HOUSING ACCESSIBLE FROM BOTTOM. CABLE SHALL BE SPLICED TO LAMP LEADS FROM EACH SIGNAL.

LOOP SHALL BE A MAXIMUM OF 2 TURNS.
TIE BOTTOM OF LOOP.



TWO-WAY TOP BRACKET SHOWN. SIMILAR BRACKET SHALL BE USED FOR OTHER CONFIGURATIONS.

PEDESTAL MOUNTED SIGNAL INSTALLATION



BACKPLATE WITH 3" REFLECTIVE STRIP REQUIRED

9' ABOVE PAVEMENT

TYPICAL BRACKET ASSEMBLY TWO-WAY HEAD. ALL BRACKET ASSEMBLIES SHALL HAVE TERMINAL COMPARTMENTS. SIMILAR BRACKETS AND HARDWARE SHALL ALSO BE USED FOR 1, 3, AND 4-WAY ARRANGEMENT.

POLE AND HARDWARE SHALL BE PLUMB.

4" DIAMETER ALUMINUM OR STEEL.

OCTAGONAL BASE. DOOR COMPRISES TWO FACES OF BASE.
NATURAL GROUND OR SIDEWALK

FOUNDATION SHALL BE LEVEL. SIGNAL POLE BASE SHALL BE MOUNTED DIRECTLY ONTO FOUNDATION WITH NO SHIMS.

NOTES:

1. FOR FOUNDATION SEE SIGNAL PEDESTAL FOUNDATION LOCATED ON SHEET 3 IN TRAFFIC SIGNAL AND INSTALLATION DETAILS.
2. TWO-WAY AND THREE-WAY SIGNAL HEADS SHALL BE SIMILARLY MOUNTED WITH APPROPRIATE HARDWARE. CLEARANCE FROM THE BOTTOM OF THE SIGNAL HEAD TO SIDEWALK OR NATURAL GROUND SHALL BE 9' OR SHALL CONFORM TO THE CURRENT ADOPTED EDITION OF THE MUTCD.

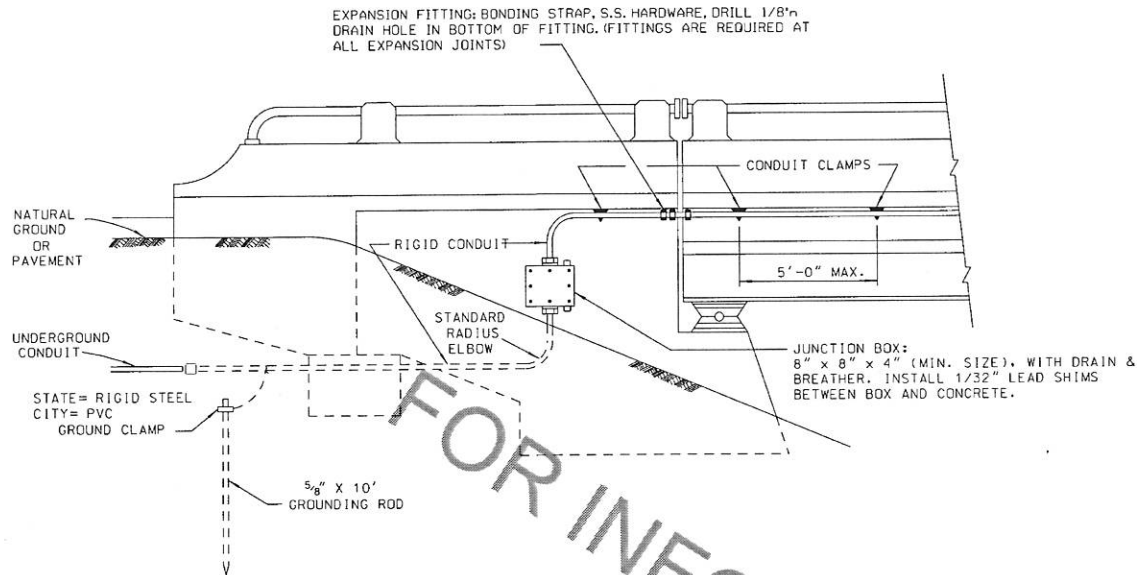


SHEET NUMBER	1
DESIGNED	S. MCCABROL
CHECKED	D. LOHIO
DATE	04/12/2017
BY	BY
REVISION DESCRIPTION	
NO.	
DATE	
TRAFFIC SIGNAL STANDARD DETAILS	
SIGNAL MOUNTING DETAILS	
TSD-08	
TRAFFIC ENGINEERING	

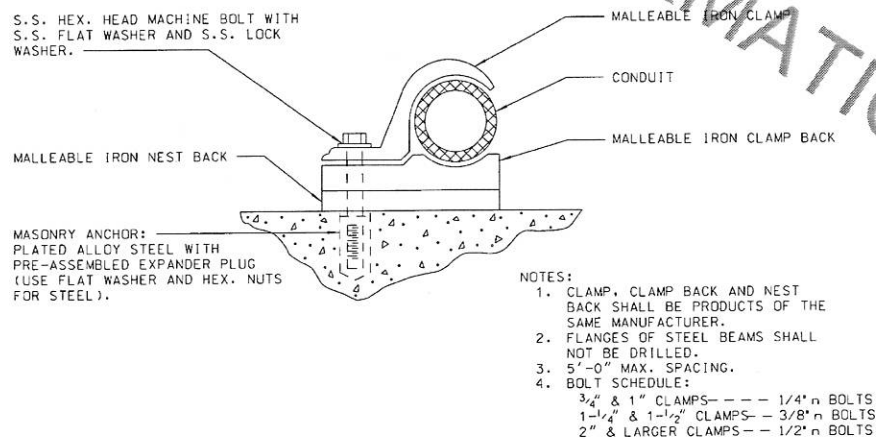
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TYPICAL CONDUIT INSTALLATION ON BRIDGE STRUCTURE

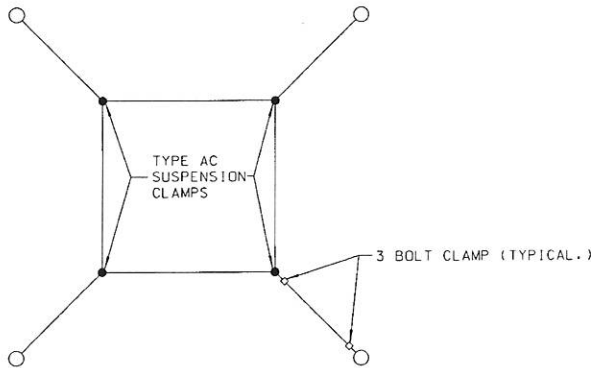


CONDUIT FASTENING DETAIL

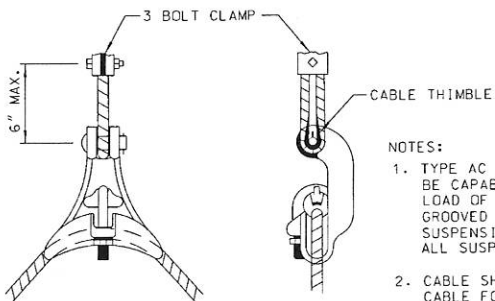


SUSPENDED BOX INSTALLATION

ALSO USED ON BRIDLE SPAN INSTALLATION



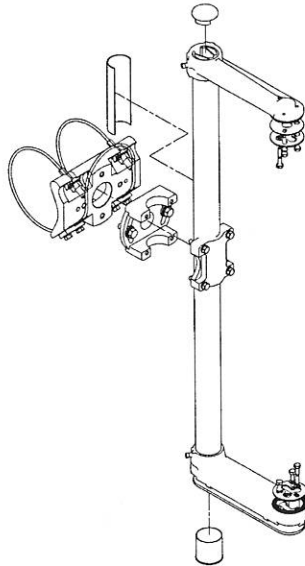
TYPE AC SUSPENSION CLAMP



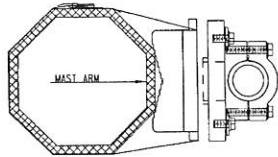
- NOTES:
1. TYPE AC SUSPENSION CLAMPS SHALL BE CAPABLE OF WITHSTANDING A TENSILE LOAD OF 25,000 POUNDS AND SHALL BE GROOVED FOR 3/8" CABLE. TYPE AC SUSPENSION CLAMPS SHALL BE USED FOR ALL SUSPENDED BOX INSTALLATIONS.
2. CABLE SHALL HAVE 3' OF SPARE CABLE FORMED AS A LOOP ON EACH SIDE OF CLAMP.

INSTALLATION DETAIL OF MAST ARM ATTACHMENTS FOR SIGN AND SIGNAL BRACKETS

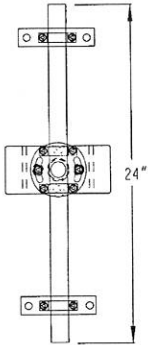
SIGNAL - ISOMETRIC VIEW



SIGN - SIDE VIEW

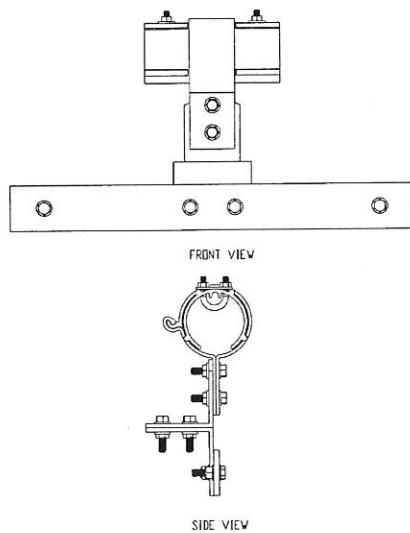
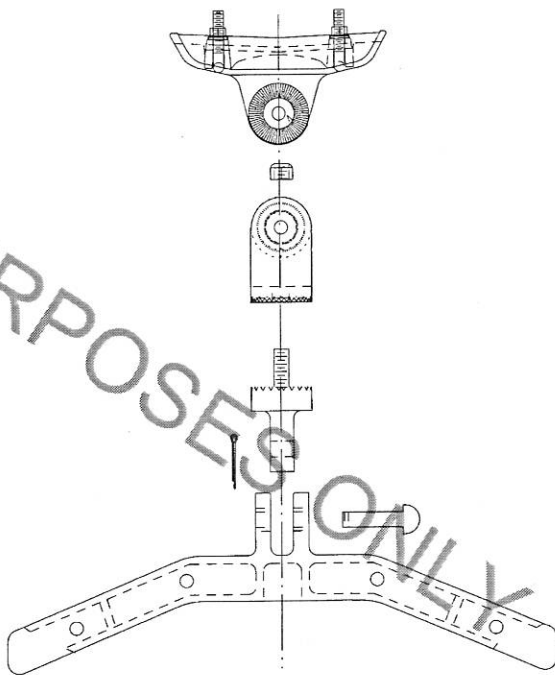


SIGN - FRONT VIEW



- NOTE:
1. BRACKETS SHALL UTILIZE A STRANDED CABLE TO ATTACH BRACKET TO ARM.
2. ATTACHMENTS SHALL BE ADJUSTABLE TO PLUMB.
3. ADDITIONAL SIGN BACKING MAY BE REQUIRED FOR SIGNS LARGER THAN 36". APPROVAL OF PROJECT ENGINEER REQUIRED PRIOR TO INSTALLATION.

SPAN WIRE SIGN BRACKET



NOTES:

- ALL MATERIAL FOR DEVICES SHOWN SHALL BE CAST ALUMINUM CONSTRUCTION WITH COATING TO PREVENT OXIDATION.
- SIGN MOUNTING BRACKET PRE-DRILLED WITH 1/2" HOLES (SEE DRAWING).
- BOTTOM OF SIGN SHALL BE WEIGHTED WITH STEEL BAR PAINTED TO RESIST CORROSION. BRACKET AND WEIGHT SHALL BE ATTACHED TO SIGN WITH HDG OR STAINLESS STEEL 3/8" BOLTS, WASHERS, AND NUTS.
- SPAN WIRE SADDLE SHALL BE DESIGNED TO FIT A CABLE RANGE OF 3/8" - 1/2".
- BRACKET SHALL BE INSTALLED SO THAT THE SIGN IS PLUMB AND PERPENDICULAR TO THE DRIVERS LINE OF VIEW.



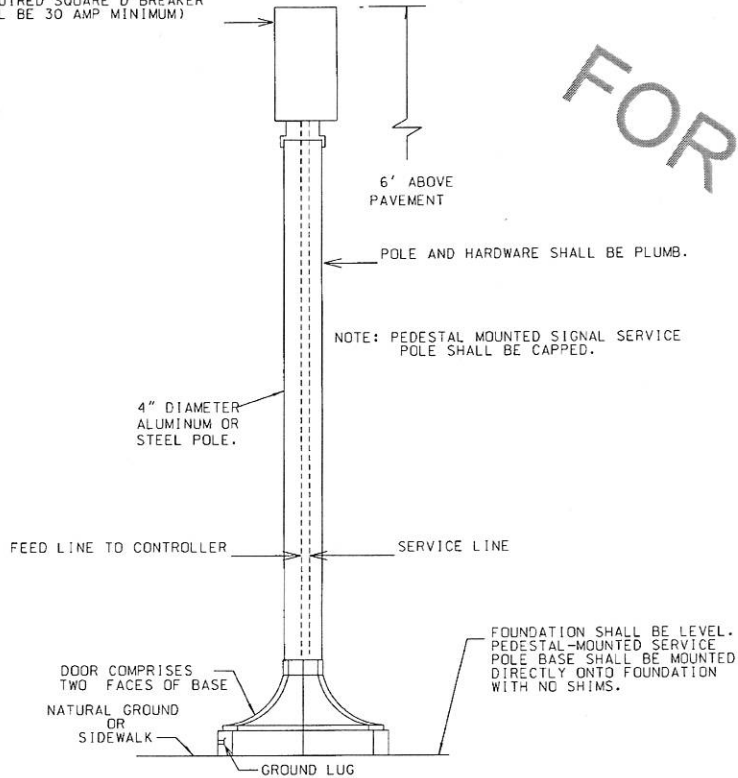
SHEET NUMBER	10 OF 14
DESIGNED	S. MCCARROLL
CHECKED	D. LORIO
DATE	04/12/2017
BY	
REVISION DESCRIPTION	
NO.	
DATE	
TRAFFIC SIGNAL STANDARD DETAILS	
HARDWARE DETAILS	
TRAFFIC ENGINEERING	

4/19/2017 09:2

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PEDESTAL-MOUNTED
SIGNAL SERVICE POLE INSTALLATION

ELECTRICAL SERVICE DISCONNECT
RAINTIGHT ENCLOSURE
(REQUIRED SQUARE D BREAKER
SHALL BE 30 AMP MINIMUM)

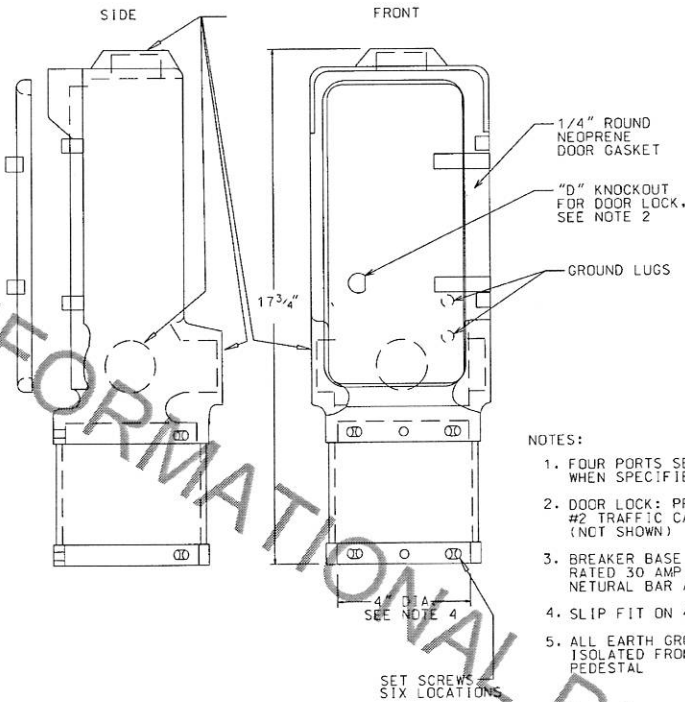


(FOR FOUNDATION USE STANDARD DETAIL FOR SIGNAL PEDESTAL FOUNDATION)

NOTES:

1. UNDERGROUND CONDUIT SHALL BE INSTALLED IN A STRAIGHT LINE FROM START TO FINISH. ANY DEVIATION FROM A STRAIGHT LINE WILL REQUIRE PRIOR APPROVAL BY THE PROJECT ENGINEER.
2. THE CONTRACTOR SHALL NOT RECEIVE DIRECT PAY FOR VERTICAL RUN AT THE START AND FINISH POINTS AS WELL AS ADDITIONAL CONDUIT DUE TO A DEVIATION FROM A STRAIGHT LINE INSTALLATION.
3. ALL CONCRETE SHALL BE "CLASS A" IN ACCORDANCE WITH SECT. 901 OF THE STD. SPEC'S.
4. ALL SERVICE POLES SHALL BE GROUNDED WITH #6 AWG BARE SOLID GROUNDING WIRE.
5. INSTALL NEW GROUND ROD. CONNECT GROUND ROD TO SIGNAL PEDESTAL BY NEW GROUND WIRE.
6. SERVICE SHALL BE 120/240 V. AC AND WIRED WITH THHN-THWN OR XHHW #6 AWG. TWO BLACKS, AND ONE WHITE NEUTRAL. 3 CONDUCTOR, CONCENTRIC CABLE SHALL BE INSTALLED WHERE SERVICE WILL ATTACH TO OR ENTER STEEL SIGNAL POLE.
7. SERVICE CONDUCTORS SHALL BE RUN IN A SEPARATE CONDUIT TO CONTROLLER BASE.
8. ALL EXPOSED METAL SHALL BE PAINTED AS PER LADOT STANDARD SPECIFICATIONS.

ELECTRICAL SERVICE DISCONNECT
RAINTIGHT ENCLOSURE FOR
PEDESTAL MOUNTED SIGNAL SERVICE POLE



NOTES:

1. FOUR PORTS SEALED. (1 1/2" FPT WHEN SPECIFIED)
2. DOOR LOCK: PROVIDE MATCHED #2 TRAFFIC CABINET KEY. (NOT SHOWN)
3. BREAKER BASE IS SQUARE D RATED 30 AMP, 240 VAC WITH NATURAL BAR AND GROUND LUG.
4. SLIP FIT ON 4" PEDESTAL POLE.
5. ALL EARTH GROUNDS SHALL BE ISOLATED FROM NEUTRAL BUS AT PEDESTAL

WIRING FOR FLASHING BEACON

HEADS SHALL BE WIRED FOR A SIMULTANEOUS
FLASH FOR EACH APPROACH.
NO SPARE CONDUCTORS REQUIRED
RED - FLASH CIRCUIT #1
BLACK - FLASH CIRCUIT #2
WHITE - AC COMMON
GREEN - CASE GROUND

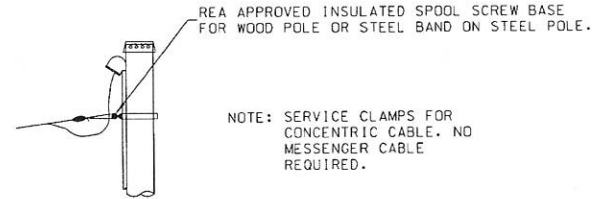
WIRING DETAIL FOR TRAFFIC SIGNAL
HEADS & HANGERS

INDICATIONS	TERMINAL BLOCK	2-6 CONDUCTOR CABLES	1-10 CONDUCTOR CABLE
HEAD 1 GREEN	1	GREEN	CABLE 1 GREEN
HEAD 1 AMBER	2	YELLOW	CABLE 1 YELLOW
HEAD 1 RED	3	RED	CABLE 1 RED
HEAD 2 GREEN	4	GREEN	CABLE 2 G/BLACK
HEAD 2 AMBER	5	YELLOW	CABLE 2 Y/BLACK
HEAD 2 RED	6	RED	CABLE 2 R/BLACK
COMMON	7	WHITE	CABLE 1 & 2 WHITE
GREEN ARROW	8	BLACK	CABLE 1 BLACK
AMBER ARROW	9	BLACK	CABLE 2 W/ BLACK
	10		
	11		
CASE GROUND	12	BLUE	CABLE 1 & 2 BLUE

NOTE: EIGHTEEN CIRCUIT DISCONNECT HANGERS SHALL BE SIMILARLY WIRED WITH SOLID INDICATIONS WIRED FIRST FOLLOWED BY ARROW INDICATIONS. ON SPAN MOUNTED SIGNAL INSTALLATIONS, ALL BULBS SHALL BE INDIVIDUALLY WIRED FROM CONTROLLER. ALL CABLES SHALL BE CONTINUOUS RUN WITHOUT SPLICES EXCEPT AS SHOWN FOR MAST ARM INSTALLATIONS AT DISCONNECT HANGERS SHOWN ON PLANS OR WHERE JUNCTIONS ARE SHOWN ON THE PLANS. ALL WIRES SHALL BE TERMINATED IN HANGER. CONDUCTORS THAT ARE UNUSED IN SIGNAL THAT DO NOT HAVE INDICATIONS SHOWN ABOVE SHALL BE SPARE CONDUCTORS AND SHALL NOT BE USED. THE HARNESS FROM THE SIGNAL TERMINAL BLOCK SHALL BE WIRED IN ACCORDANCE TO THE ABOVE TABLE. UNUSED CONDUCTORS SHALL BE BONELESS IN HEAD WITH ENDS TAPED TO PREVENT GROUNDING TO CASES.

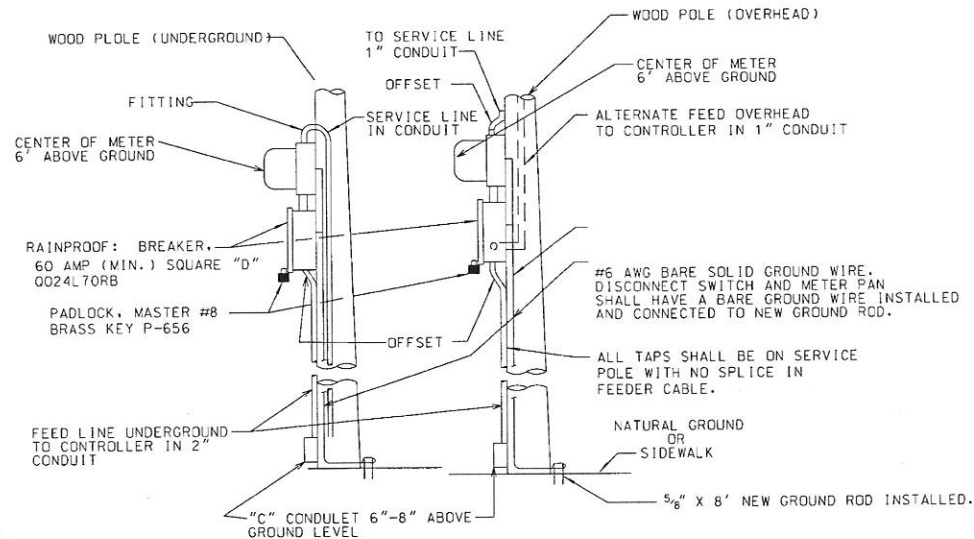
OVERHEAD SERVICE TO CONTROLLER

(AS CALLED FOR IN THE PLANS OR APPROVED BY PROJECT ENGINEER)



TYPICAL ELECTRICAL SERVICE

(BREAKER SIZED ACCORDING TO THE LOAD
WITH MINIMUM BREAKER SIZE OF 60 AMP)



NOTES:

1. UNDERGROUND CONDUIT SHALL BE INSTALLED IN A STRAIGHT LINE FROM START TO FINISH. ANY DEVIATION FROM A STRAIGHT LINE WILL REQUIRE PRIOR APPROVAL BY THE PROJECT ENGINEER.
2. ALL SERVICE POLES SHALL BE GROUNDED WITH #6 AWG BARE SOLID GROUNDING WIRE.
3. INSTALL NEW GROUND ROD AND WIRE.
4. SERVICE SHALL BE 120/240 V. AC AND WIRED WITH THHN-THWN OR XHHW #6 AWG. TWO BLACKS, AND ONE WHITE NEUTRAL. 3 CONDUCTOR, CONCENTRIC CABLE SHALL BE INSTALLED WHERE SERVICE WILL ATTACH TO OR ENTER STEEL SIGNAL POLE.
5. SERVICE CONDUCTORS SHALL BE RUN IN A SEPARATE CONDUIT TO CONTROLLER BASE.
6. CONDUIT STRAPS SHALL BE 2 HOLE, HEAVY DUTY AND SHALL BE INSTALLED BEGINNING AT FITTING OFFSET OR COUPLING, SPACED AT 5' INTERVALS MAXIMUM ON EACH SIDE OF CONDUITS AND ADJACENT TO CABINET. 1/4 x 3 inch HDG LAG SCREWS SHALL BE USED ON STRAPS.
7. ALL EQUIPMENT SHALL BE ATTACHED TO POLE WITH HDG LAG SCREWS.
8. AN ELECTRICAL SERVICE SHALL NEVER BE BUILT ON A MAST ARM OR STRAIN POLE.

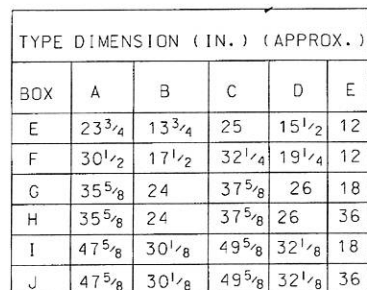


SHEET NUMBER	PARISH	FEDERAL PROJECT	STATE PROJECT
DESIGNED	S. MCCARROLL	D. LORIO	S. MCCARROLL
CHECKED	D. LORIO	S. MCCARROLL	L. WANG
DATE	04/12/2017	11 OF 14	
BY			
REVISION DESCRIPTION			
NO.			
DATE			
TRAFFIC SIGNAL STANDARD DETAILS			
ELECTRICAL SERVICE AND WIRING DETAILS			
TSD-10			
TRAFFIC ENGINEERING			

TRAFFIC SIGNAL STANDARD DETAILS		DESIGNED S. MCCARROLL	PARISH	SHEET NUMBER	
					CHECKED D. LORTO
					DETAILED S. MCCARROLL
					CHECKED L. WANG
SAW CUTTING PAVEMENT AND LOOP WIRE DETAILS		DATE 04/12/2017	STATE RD DIST		



1. TOP OF BOX TO EXTEND 1/4" ABOVE EXISTING SIDEWALK WITH NEW SIDEWALK SLOPED UP TO TOP OF BOX.
2. DO NOT PLACE JUNCTION BOXES IN THE TRAVELED WAY OR ON SHOULDERS.
3. PROVIDE 8" X 10" CONCRETE COLLARS EXCEPT WITHIN CONCRETE PAVED AREAS. CONCRETE COLLARS SHALL BE PROVIDED AROUND THE TOP PERIMETER OF JUNCTION BOX. CONCRETE COLLAR SHALL BE PAID FOR UNDER THE JUNCTION BOX PAY ITEM.



- NOTE FOR ALL JUNCTION BOXES:
1. JUNCTION BOX SHALL BE AN APPROVED PRODUCT LISTED ON THE TRAFFIC OPERATIONS APPROVED PRODUCT LIST (TOAPL) USE THE TYPE JUNCTION BOX SHOWN IN PLANS.
 2. A MINIMUM OF 6' OF SPARE SIGNAL, LOOP LEAD-IN, 6PR, AND SERVICE CABLE SHALL BE INSTALLED IN EACH JUNCTION BOX.
 3. "TRAFFIC SIGNAL" SHALL BE IMPRINTED ON THE JUNCTION BOX BY THE MANUFACTURER.

- * NOTE FOR TYPE G, H, I AND J JUNCTION BOXES:

1. TWO PIECE COVER
2. TWO PIECES OF UNISTRUT MOUNTED ON INSIDE WALL.
3. LIFTING INSERTS ON OUTSIDE OF BOX.
4. PROJECTS WITH FIBER OPTIC COMMUNICATION: INSTALL A MINIMUM OF 50' SPARE FIBER IN TYPE "GG" AND 100' SPARE FIBER IN LARGER JUNCTION BOXES.

The diagram illustrates the internal wiring of a Traffic Control Cabinet. A dashed line separates the cabinet's internal components from the external Bridge - R/R Facility.

Internal Components (Traffic Control Cabinet):

- Transformer:** A 120VAC transformer is connected to the AC input. The secondary winding is connected to the Bridge - R/R Facility.
- Relays and Contacts:**
 - R1:** A relay with a coil connected to the LC (Line Control) line.
 - R3:** A relay with a coil connected to the R4 (PREEMPT INPUT #1) line.
 - R4:** A relay with a coil connected to the R4 (PREEMPT INPUT #1) line.
 - R5:** A relay with a coil connected to the R5 (NON-USED CONTACT) line.
 - R6:** A relay with a coil connected to the R6 (NON-USED CONTACT) line.
 - R8:** A relay with a coil connected to the R8 (NON-USED CONTACT) line.

External Connections (Bridge - R/R Facility):

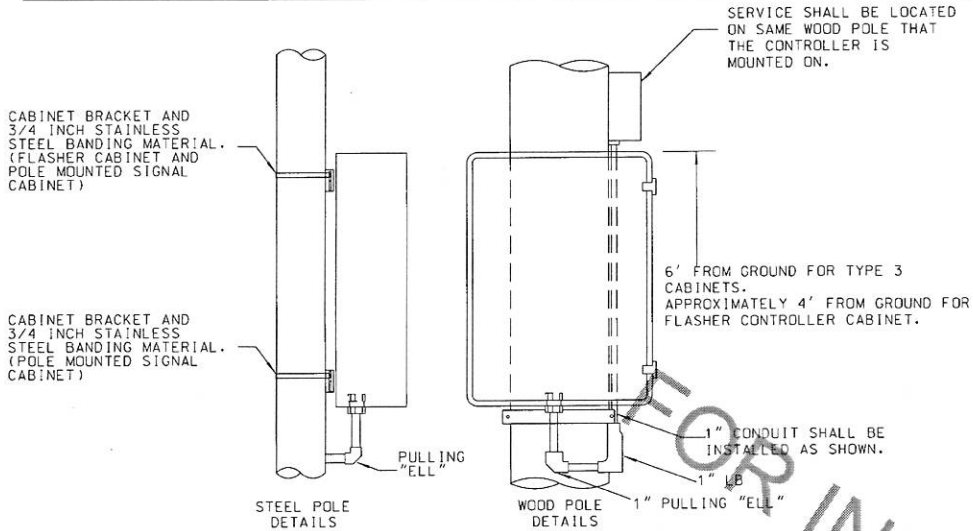
- AC Input:** The AC input is connected to the transformer's primary winding.
- Bridge - R/R Facility:** The secondary winding of the transformer is connected to the Bridge - R/R Facility, which is shown as a dashed box containing a bridge circuit.

- NOTE:
1. RELAYS SHOWN IN NORMAL (NON-PREEMPT) CONDITION
 2. PREEMPT RELAY - 2 POLE DOUBLE THROW
 3. LC = LOGIC COIL



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STEEL POLE MOUNTING FOR: SIGNAL CABINET OR FLASHER CABINET

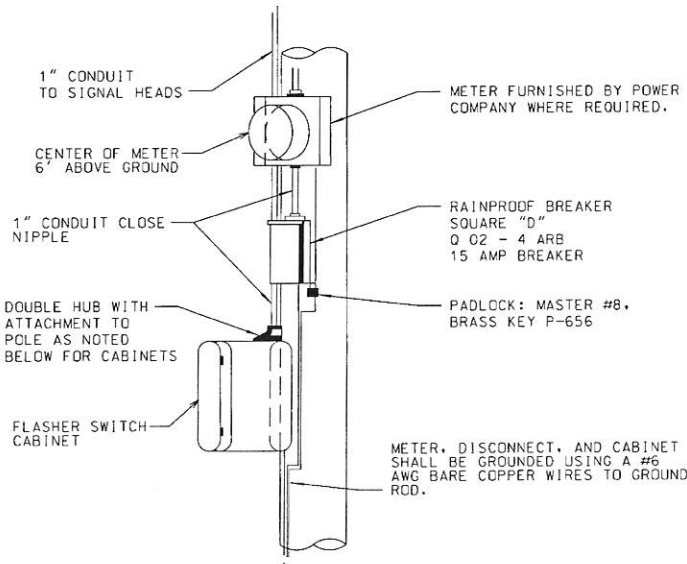


- NOTES:
1. WIRE ENTRY INTO CABINET FROM STEEL POLE SHALL BE THROUGH BOSSES PROVIDED ON POLE. PULLING ELLS SHALL BE USED FOR SIGNAL CIRCUIT AND SERVICE CONDUIT. A MYERS HUB ATTACHMENT ON BOTTOM OF CABINET SHALL BE USED FOR SIGNAL CIRCUIT CONDUIT. A MYERS HUB SHALL BE INSTALLED ON CABINET FOR SERVICE ENTRANCE.
 2. ALL SERVICE DISCONNECTS SHALL BE LOCATED ON THE CLOSEST WOOD POLE AVAILABLE FOR SERVICE.
 3. TOP AND BOTTOM OF CABINET SHALL BE ATTACHED TO WOOD POLES USING BRACKETS MOUNTED WITH CONDUIT HUBS, STANDARD BRACKET, AND ATTACHED TO POLE WITH 1/2" X 4" HDG LAG SCREWS.
 4. CONDUIT FOR SIGNAL CIRCUIT SHALL BE 3".
 5. POLE MOUNTED SIGNAL CABINET: A 3' X 5' X 4" CONCRETE PAD SHALL BE POURED NEXT TO THE CONTROLLER CABINET POLE AND SHALL BE ABOVE GROUND LEVEL.
 6. USE A #6 AWG BARE GROUND WIRE TO ATTACH CABINET TO GROUND ROD.
 7. ALL GROUND RODS, REGARDLESS OF FOUNDATION SIZE SHALL PROTRUDE THROUGH THE FOUNDATION AND A MINIMUM OF 4' SHALL BE EMBEDDED INTO THE EARTH

WOOD POLE MOUNTED FLASHER CONTROLLER SWITCH

(6 1/2" x 12" x 16")

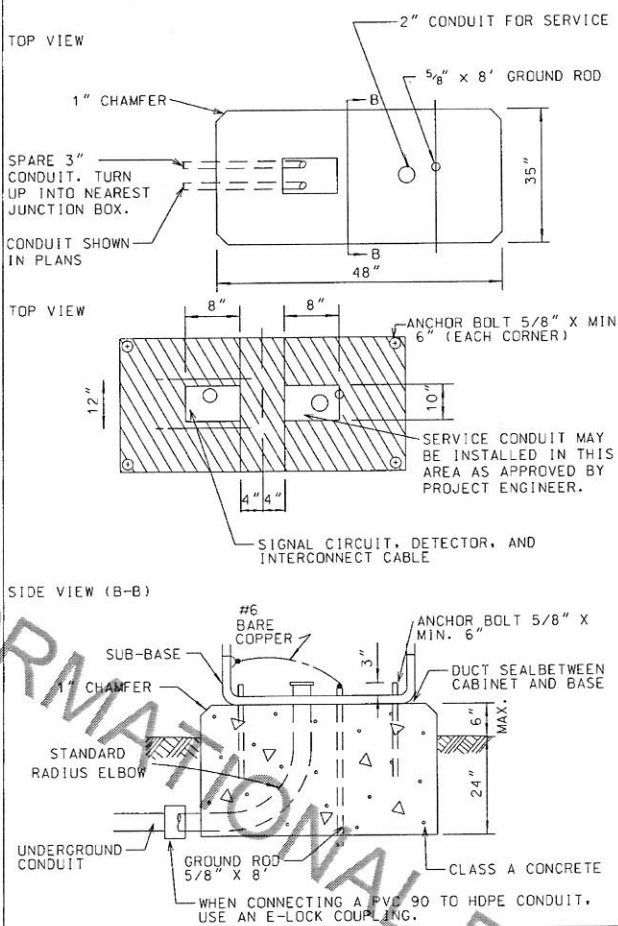
NOTE: USED FOR FLASHING HAZARD BEACONS AND CONTINUOUS FLASHING SIGNS. THIS ITEM SHALL BE INCLUSIVE WITH ELECTRICAL SERVICE.



NOTE: ALL EQUIPMENT SHALL BE ATTACHED TO POLE WITH HDG LAG SCREWS.

TYPICAL CONTROLLER FOUNDATION

FOR TYPE 5, 6, AND 7 CABINETS (SEE LADOTD TCS# 18)

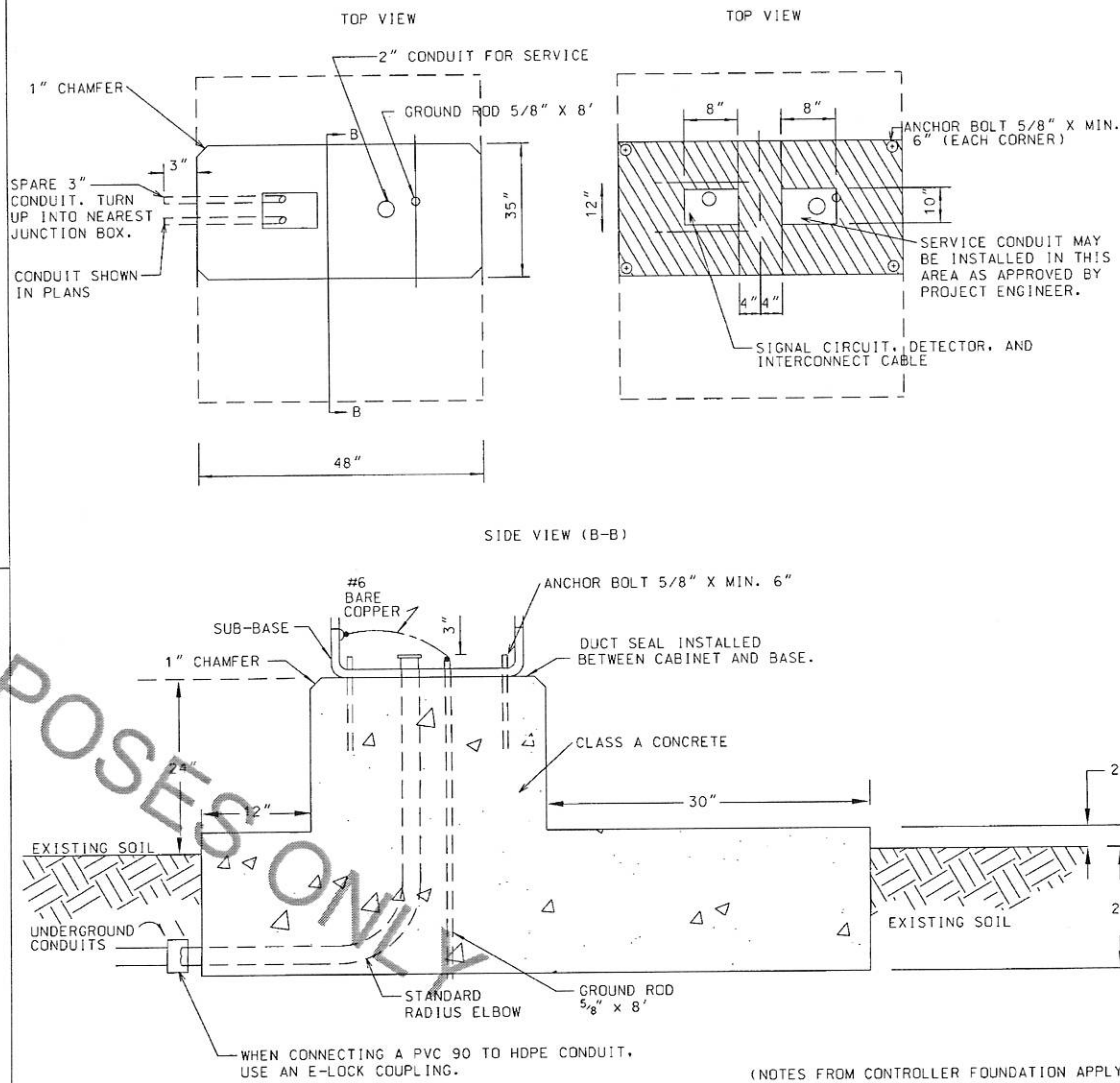


NOTES:

1. ALL GROUND MOUNTED CONTROLLERS SHALL HAVE A SPARE 3" CONDUIT RAN 24" BELOW GRADE TO JUNCTION BOX.
2. ALL EXPOSED CONCRETE EDGES SHALL HAVE A 1" CHAMFER.
3. ALL CONDUIT, GROUND ROD AND ANCHOR BOLTS SHALL PROTRUDE 2 3/4" MIN. - 3" MAX. ABOVE FINISHED FOUNDATION.
4. FOUNDATION SHALL BE ORIENTED SO THAT THE DOOR IS FACING AWAY FROM TRAFFIC.
5. A #6 BARE SOLID COPPER WIRE SHALL BE REQUIRED TO CONNECT BETWEEN GROUND ROD AND GROUND LUG ON PANEL.

ALTERNATE STEP CONTROLLER FOUNDATION

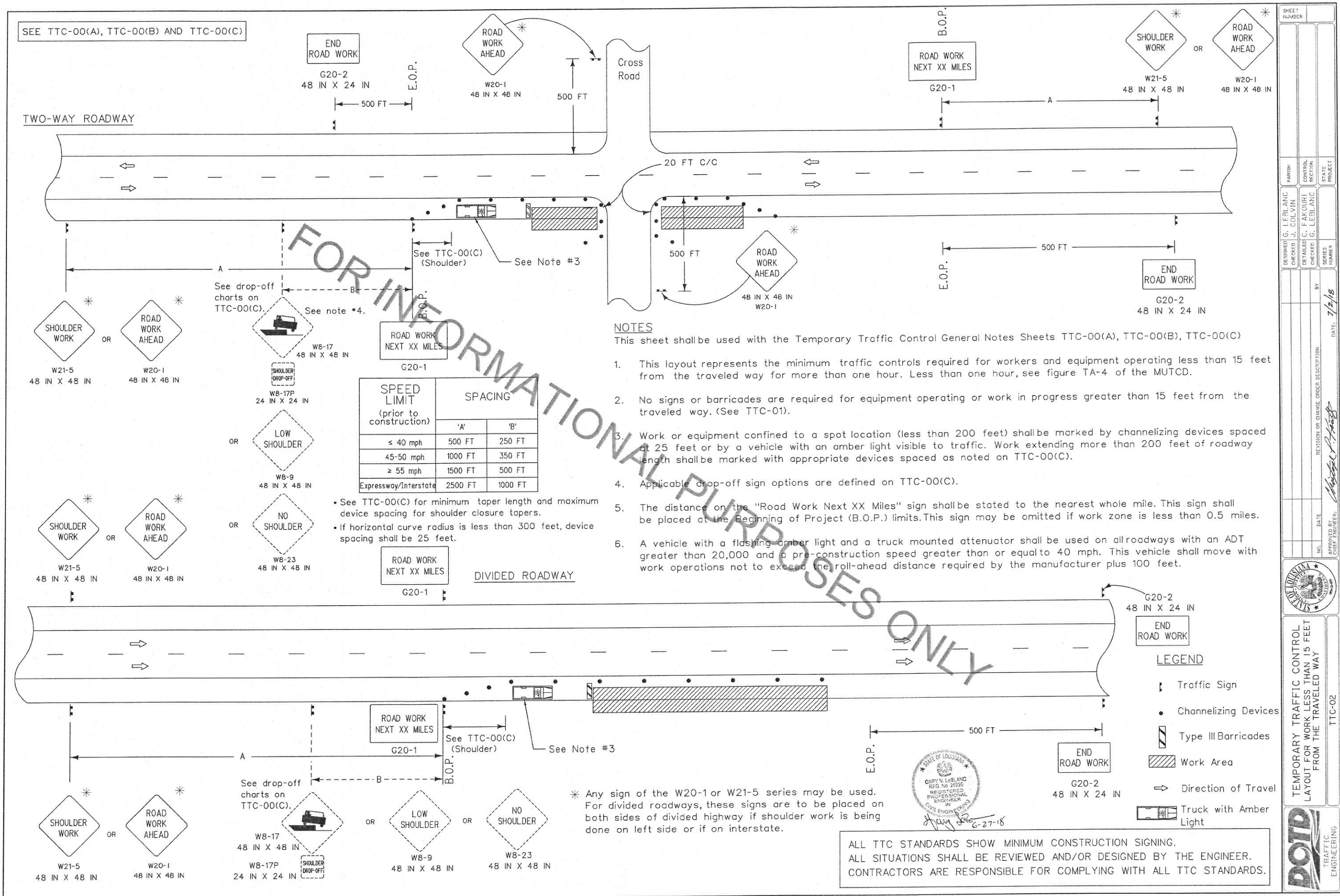
FOR TYPE 6E CABINETS (SEE LADOTD TCS# 18)



(NOTES FROM CONTROLLER FOUNDATION APPLY)



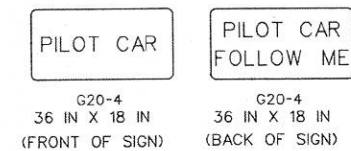
SHEET NUMBER	13
PARISH	ORLEANS
FEDERAL PROJECT	STATE PROJECT
DESIGNED	S. MCCARROLL
CHECKED	D. LORIO
DETAILED	S. MCCARROLL
CHECKED	L. WANG
DATE	04/12/2017
SHEET	14 OF 14
BY	
REVISION DESCRIPTION	
NO.	
DATE	
TRAFFIC SIGNAL STANDARD DETAILS	CONTROLLER MOUNTING AND FOUNDATION DETAILS
TSD-13	
TRAFFIC ENGINEERING	



- It shall be used in restricted visibility operations such as lime or cement stabilization, chip seals, or operations in hilly or curvy terrains, where flaggers cannot see each other (no clear line-of-sight).

- The pilot car sign should be mounted 7 feet above roadway in a position visible to oncoming and following traffic.

- The sign mounted on the vehicle shall be two-sided.



LEGEND

-  Traffic Sign
-  Channelizing Devices
-  Type III Barricades
-  Work Area
-  Flagger
-  Type B Light
-  Direction of Travel
-  Truck with Amber Light and TMA

SPEED LIMIT (prior to construction)	SPACING			
	'A'	'B'	'C'	'D'
≤ 40 mph	500 FT	100 FT	N/A	125 F
45-50 mph	1000 FT	350 FT	500 FT	350 F
> 50 mph	1500 FT	500 FT	800 FT	500 F

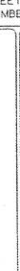
NOTES

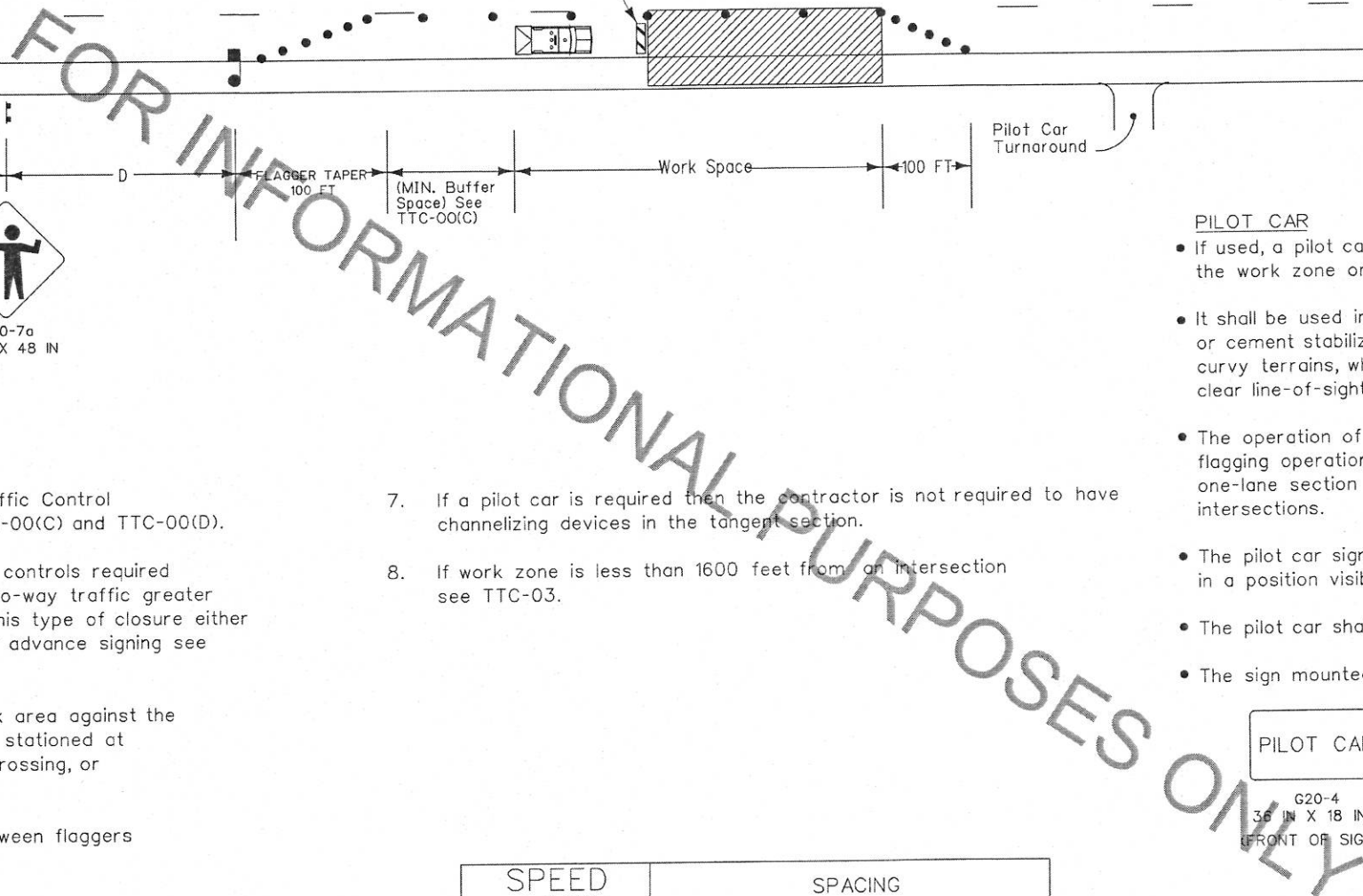
This sheet shall be used with the Temporary Traffic Control General Notes Sheets TTC-00(A), TTC-00(B), TTC-00(C), and TTC-00(D).

1. This layout represents the minimum traffic controls required for lane closures on two-lane roads with two-way traffic less than 1600 feet from an intersection. For advance signing see TTC-00(D).
2. Visual or radio contact shall be required between flaggers at all times. The flagger shall be visible from flagger sign.
3. Only law officers shall direct traffic against a traffic signal indication.
4. If work area is greater than 1600 feet see TTC-04.
5. If a pilot car is required then the contractor is not required to have channelizing devices in the tangent section.
6. A vehicle with a flashing amber light and a truck mounted attenuator shall be used on all roadways with an ADT greater than 20,000 and a pre-construction speed greater than or equal to 40 mph. This vehicle shall move with work operations not to exceed the roll-ahead distance required by the manufacturer plus 100 feet.

* Any sign of the W20-4 series may be used.

ALL TTC STANDARDS SHOW MINIMUM CONSTRUCTION SIGNING.
ALL SITUATIONS SHALL BE REVIEWED AND/OR DESIGNED BY THE ENGINEER.
CONTRACTORS ARE RESPONSIBLE FOR COMPLYING WITH ALL TTC STANDARDS.

	TEMPORARY TRAFFIC CONTROL LAYOUT FOR LANE CLOSURES ON TWO LANE ROADS WITH TWO-WAY TRAFFIC NEAR INTERSECTIONS (FLAGGING OPERATIONS)		TTC-03	
	NO. _____ DATE _____		APPROVED BY (CHIEF ENGINEER)	
	REVISION OR CHANGE ORDER DESCRIPTION		DATES: <u>7/2/13</u>	
	DESIGNED G. LEBLANC CHECKED J. COLVIN	PARISH _____ COUNTY _____ SECTION _____	SERIES NUMBER _____	STATE PROJECT _____



1. This layout represents the minimum traffic controls required for lane closures on two-lane roads with two-way traffic greater than 1600 feet from an intersection. For this type of closure either a flagger or a pilot car will be required. For advance signing see TTC-00(D).
2. To prevent vehicles from entering the work area against the flow of traffic, an additional flagger shall be stationed at each intersection, major driveway, railroad crossing, or crossing within the work area.
3. For projects in rural areas the distance between flaggers shall not exceed:
 - (A) 2.5 miles for $ADT < 2,500$
 - (B) 2.0 miles for $2,500 < ADT < 5,000$
 - (C) 1.5 miles for $ADT > 5,000$
4. The flagger station shall be near the beginning of the taper and shall have adequate sight distance to be visible to oncoming traffic. If sight distance cannot be achieved, the distance between flaggers may be extended for a short duration.
5. Visual or radio contact shall be required between flaggers at all times. The flagger shall be visible from the flagger sign.
6. A vehicle with a flashing amber light and a truck mounted attenuator shall be used on all roadways with an ADT greater than 20,000 and a pre-construction speed greater than or equal to 40 mph. This vehicle shall move with work operations not to exceed the roll-ahead distance required by the manufacturer plus 100 feet.

- If used, a pilot car shall guide a queue of vehicles through the work zone or diversion.
- It shall be used in restricted visibility operations such as lime or cement stabilization, chip seals, or operations in hilly or curvy terrains, where flaggers cannot see each other (no clear line-of-sight).
- The operation of the pilot vehicle shall be coordinated with flagging operations or other controls at each end of the one-lane section and all major driveways and street intersections.
- The pilot car sign should be mounted 7 feet above roadway in a position visible to oncoming and following traffic.
- The pilot car shall have an amber beacon light.
- The sign mounted on the vehicle shall be two-sided.

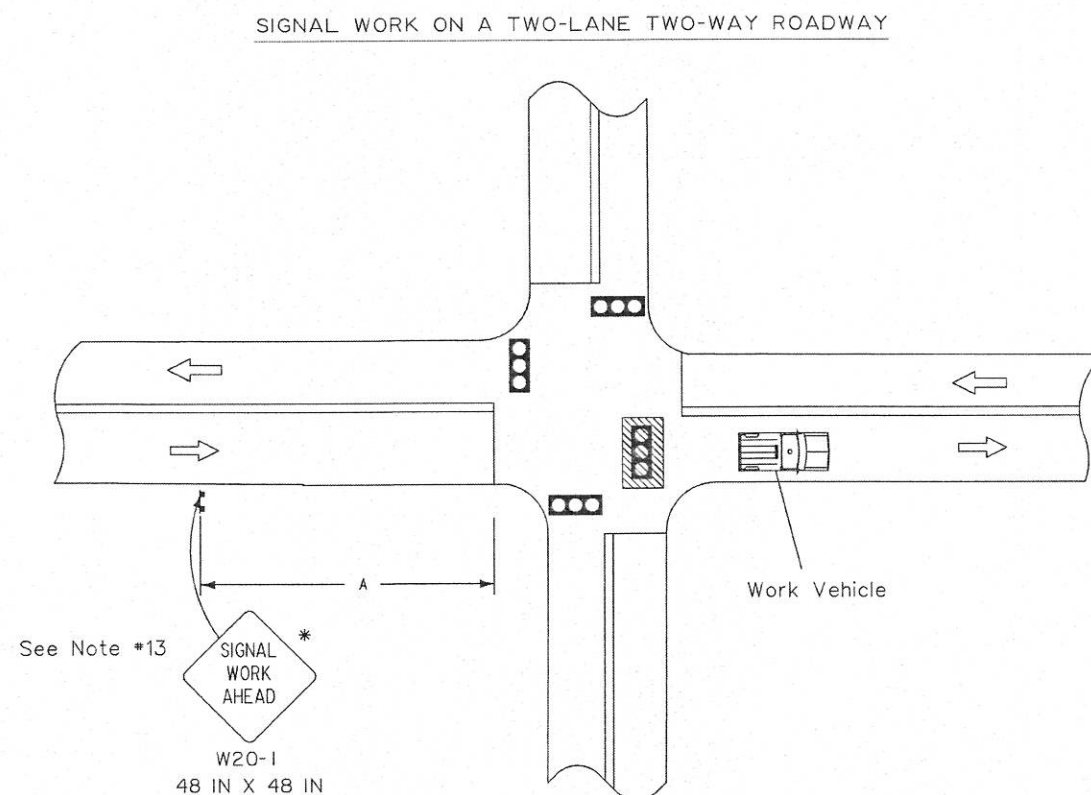
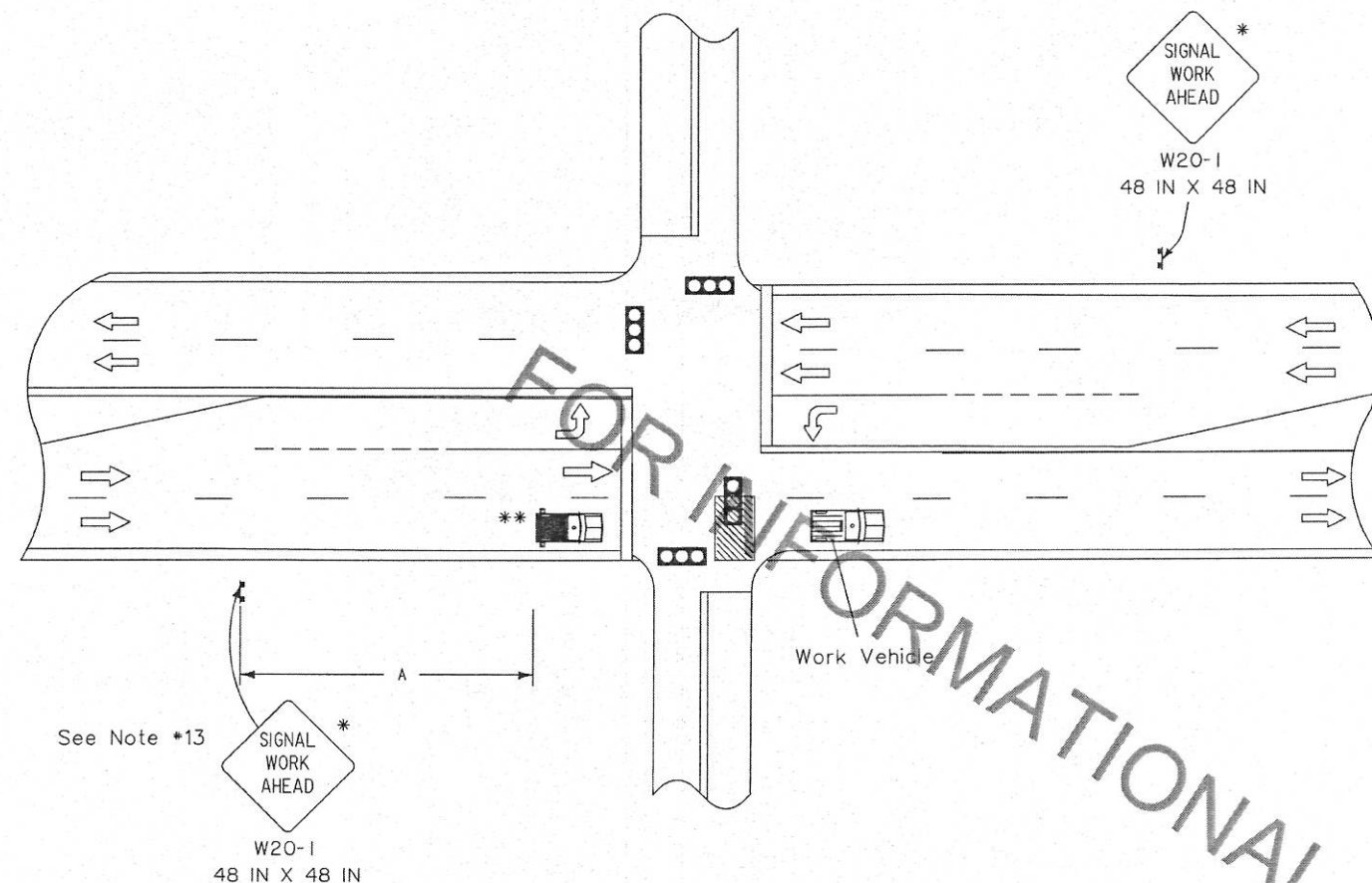


PILOT CAR	PILOT CAR FOLLOW ME
G20-4 36 IN X 18 IN (FRONT OF SIGN)	G20-4 36 IN X 18 IN (BACK OF SIGN)

	Traffic Sign
	Flagger
	Channelizing Devices
	Type III Barricades
	Work Area
	Type B Light
	Direction of Travel
	Truck with Amber Light and TMA

ALL TTC STANDARDS SHOW MINIMUM CONSTRUCTION SIGNING.
ALL SITUATIONS SHALL BE REVIEWED AND/OR DESIGNED BY THE ENGINEER.
CONTRACTORS ARE RESPONSIBLE FOR COMPLYING WITH ALL TTC STANDARDS.

[illegible]



NOTES

This sheet shall be used with the Temporary Traffic Control General Notes Sheets TTC-00(A), TTC-00(B), and TTC-00(C).

1. This layout represents the minimum traffic controls required during signal construction and maintenance.
2. For projects with multiple signals, the contractor shall construct only one signal at a time.
3. If the signal at an intersection is turned off, the intersection may operate as a 4-way stop with approval by the Engineer and the DTOE. The contractor shall be responsible for installing and removing all stop signs at the intersection.
4. A detour plan is required if the road will be closed to through traffic at all approaches.
5. A uniformed police officer shall direct traffic for short duration lane closures and signal turn-ons.
6. The turn lane may be used as a through lane if a minimum 10-foot lateral clearance can be maintained and opposing traffic is not impeded.
7. A signal timing and phasing plan shall be developed for each phase of construction.
8. Place "Road Work Ahead" sign prior to an intersecting alternate route, no more than 1500 feet from the work area.
9. The sign height shall be at least 7 feet in business, commercial, and residential areas and also near parking, pedestrians, bicyclists, or other obstructions.
10. All work must be done during off-peak hours.
11. The contractor shall not work on both through lanes at the same time.
12. For signal work on a multi-lane roadway greater than 1 hour, see TTC-09 or TTC-10.
13. If the expected or actual queue length exceeds the distance in Table 2C-4 in the MUTCD, place an additional "Signal Work Ahead" sign (W20-1) at the end of the queue.
14. For two-lane two-way roadways, a police car with flashing lights and 2 police officers will be required for intersection traffic control.
15. Left turn lanes shall be closed whenever work is being performed in path of left hand turner.
16. Position of work vehicle may vary according to work required.

* Any sign of the W20-1 series may be used.

** For posted speed over 45 mph, use TMA.

SPEED LIMIT (prior to construction)	SPACING
	'A'
≤ 40 mph	125 FT
45-50 mph	350 FT
> 50 mph	500 FT

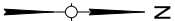
LEGEND

-  Traffic Sign
 Work Vehicle
 Truck with Flashing Arrow Panel
 Work Area
 Direction of Travel
 Traffic Signal

ALL TTC STANDARDS SHOW MINIMUM CONSTRUCTION SIGNING.
ALL SITUATIONS SHALL BE REVIEWED AND/OR DESIGNED BY THE ENGINEER.
CONTRACTORS ARE RESPONSIBLE FOR COMPLYING WITH ALL TTC STANDARDS.

[illegible]

TRAFFIC SIGNAL INVENTORY (V3.2)													TSI NO. 52/786						
LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT													PAGE: 1 OF 5						
INTERSECTION:			US 11 (Front St.) @ Ben Thomas Rd.										LONG: 0.22						
CITY: SLIDELL			PARISH: St. Tammany			LAT: 30.00277			LONG: -90.044353			INSTALL DATE:							
SIGNAL TYPE: Semi-Actuated Controller			INTERCONNECT TYPE: GPS			REV. DATE:			INSTALL DATE:										
MAINTAINED BY: DOTD			COORDINATED WITH TS #S:																
TRAFFIC SIGNAL COORDINATION PLANS (PHASING MAY VARY FROM FREE OPERATION)																			
Ring 1														6, 7					
φ2	Thru	G	Y	R											1				
φ1	Thru	--	--	--											1				
φ1	Thru	G	Y	R															
PEDs 1														2, 3					
φ6	Thru	G	Y	R											4, 5				
φ8	Thru				G	Y	R												
Ring 2																			
PEDs 2																			
OVERLAP																			
Int. Times		49	5	1	19	4	2								Signal Heads				
Phasing																			
Split	sec	φ2 + φ6														φ8			
Force Ofs	sec	55													25				
Yield Points	sec																		
Coord φ:	φ 6																		
Max:																			
MAX INHIBIT																			
Pattern/Spilt:	2	φ2														φ1 φ6	φ8		
Action:	2	←; 1														→			
Notes:																			
Times of Operation: Mon. - Fri.: 00:00 - 06:00, 09:00 - 15:00, 18:00 - 24:00 Sat.: All Day Sun.: All Day																			
Times of Operation: Mon. - Fri.: 06:00 - 09:00 Sat.: Sun.:																			
Notes:																			
Ring 1														6, 7					
φ2	Thru	←G	←Y	--	--	--	--								1				
φ1	Thru	G	G	G	G	Y	R								1				
PEDs 1														2, 3					
φ6	Thru	G	G	G	G	Y	R								4, 5				
φ8	Thru							G	Y	R									
Ring 2																			
PEDs 2																			
OVERLAP																			
Int. Times		4	4	2	58	5	1	10	4	2					Signal Heads				
Phasing		φ1 + φ6 <td>φ2 + φ6</td> <td>φ8</td>														φ2 + φ6	φ8		
Split	sec	10			74			64			64				16				
Force Ofs	sec																		
Yield Points	sec																		
Coord φ:	φ 6																		
Max:																			
MAX INHIBIT																			
Pattern/Spilt:	1	φ1														φ6	φ2	φ6	φ8
Action:	1	← 1														←; 1	→		
Notes:																			
Times of Operation: Mon. - Fri.: 06:00 - 09:00 Sat.: Sun.:																			
Ring 1														82					
φ2	Thru	←G	←Y	--	--	--	--								sec				
φ1	Thru	G	G	G	G	Y	R								Cycle Length:				
PEDs 1														90					
φ6	Thru	G	G	G	G	Y	R												
φ8	Thru							G	Y	R									
Ring 2																			
PEDs 2																			
OVERLAP																			
Int. Times		4	4	2	52	5	1	16	4	2					Signal Heads				
Phasing		φ1 + φ6 <td>φ2 + φ6</td> <td>φ8</td>														φ2 + φ6	φ8		
Split	sec	10			68			58			58				22				
Force Ofs	sec																		
Yield Points	sec																		
Coord φ:	φ 6																		
Max:																			
MAX INHIBIT																			
Pattern/Spilt:	3	φ1														φ6	φ2	φ6	φ8
Action:	3	← 1														←; 1	→		
Notes:																			
Times of Operation: Mon. - Fri.: 15:00 - 18:00 Sat.: Sun.:																			
Cycle Length:														90					
Offset =														85					
sec																			



OH - OVERHEAD	JB - JACK OR BORE	TB - TRENCH AND BACKFILL	SC - SAW CUT	IP - INSIDE POLE
WIRING CODE TABLE VERSION 3.2				



LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT
**REVIEW OF PERMIT REQUEST FORM FOR INTERSECTION CONTROL DEVICES
 ON STATE RIGHT OF WAY**

DEVELOPER INFORMATION

Name St. Tammany Parish Government
 Mailing Address PO Box 628
 City Covington State LA Zip Code 70434

DESIGNATED CONTACT INFORMATION (if different from above)

Name Truman D. Sharp, III
 Title Project Manager
 Phone 985-898-2552 Fax _____
 Email tdsharp@stpgov.org

**SELECT THE APPROPRIATE
 DEVICE(S):**

- ☒ New Traffic Signal (Red Light)
- ☐ Modification to existing Traffic Signal
- ☐ Intersection Control Flashing Beacon
- ☐ Pedestrian Signal
- ☐ Communications
- ☐ Other

**Review the DOTD Traffic Signal Manual
 for details.**

LOCATION INFORMATION OF THE DEVICE (One location per permit.)

Attach map with location identified along with approximate distance

City Slidell Parish St. Tammany Parish
 TSI Number _____
 State Route US 11 (Front Street)
 Minor Route/Street Ben Thomas Road
 Latitude 30 18' 10" N Longitude 89 46' 25" W

ATTACH THE FOLLOWING:

1. ☒ Traffic studies and approvals for the specified location
2. ☒ Signed and stamped DOTD signal construction plans and the appropriate standard plans
3. ☒ Traffic control plan and any specifications

I certify that the information contained herein is true, complete, and correct to the best of my knowledge. I understand that if any information contained herein is found to be falsified, this request and any permit issued based on this information shall be voided.

Signature of Developer  Date _____

Digitally signed by Truman D. Sharp, III
 DN: C=US, E=tdsharp@stpgov.org, O=St.
 Tammany Parish Government,
 OU=Engineering Dept., CN=Truman D. Sharp,
 III
 Reason: I am approving this document
 Date: 2026.01.21 09:34:02-06'00'

Return Completed Form to the District Permit Specialist at the DOTD District Office where subject property is located.

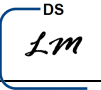
DEPARTMENT OF TRANSPORTATION & DEVELOPMENT USE ONLY

Date Request Received _____ Date Owner Contacted _____
(Owner should be contacted within 14 business days of date request is received.)
District _____ Request Processed By _____

District Personnel Review

Comments:

Cristine Gowland  4/9/2026 | 10:53 AM CDT
District Traffic Operations Engineer (Print & Initial) Date
Phone # 985-375-0105 email: cristine.gowland@la.gov

Lacey McCaskill  4/9/2026 | 3:36 PM CDT
Area Engineer (Print & Initial) Date
Phone # 985-871-8519 email: Lacey.McCaskill@la.gov

Date Traffic Engineering Management Section Received

Headquarters Personnel Review

Andre Fillastre  4/10/2026 | 11:40 AM CDT
Traffic Engineering Management Administrator (Print & Initial) Date
Phone # 225-242-4646 email: andre.fillastre@la.gov

Notification of Receipt Sent to Developer by _____ Date _____
(with or without comments or resubmission instructions)

Denial Letter Sent to Developer by _____ Date _____



Office of Project Development
PO Box 94245 | Baton Rouge, LA 70804-9245
ph: 225-379-1200 | fx: 225-379-1851



October 7, 2025

Mr. Daniel P. Hill, P.E.
Engineering Director
St. Tammany Parish Government
21454 Koop Drive, Building B
Mandeville, LA 70471

RE: Temporary Signal Wavier: US 11 & Ben Thomas Road - Slidell, LA

Dear Mr. Hill:

This letter is in response to your request for installation of a traffic signal at the intersection of US 11 and Ben Thomas Road in Slidell, Louisiana. DOTD has reviewed the traffic analysis for the proposed development on Ben Thomas Road and found that the location does not meet established Manual on Uniform Traffic Control Devices (MUTCD) warrants for the existing location.

However, the request represents a unique situation whereby the signal is requested as a concession for the development of an adjacent facility to remain competitive for a possible military contract. The traffic impact study provided by St. Tammany Parish confirms that heavy delays are expected to occur at Ben Thomas Road as the development is implemented. While the proposed signal would violate DOTD's signal spacing policy, it is projected to meet Warrant 3 of the MUTCD based on future traffic needs. To proactively foster economic development and mitigate heavy delays from the expected ramp-up of employment at the development, DOTD is hereby waiving its policies and allowing this installation as a temporary signal, subject to the following conditions:

- The traffic conditions expected with the new development must be realized within 12 months of signal installation otherwise DOTD may require and direct removal of the signal equipment.
- We understand that St. Tammany Parish is pursuing an alternative connection from the development to US 11 to connect at North Boulevard. The traffic signal will be considered temporary until these longer-term improvements are finalized.

Also be advised that DOTD has plans to widen US 11 in this area under project H.000688. If this plan is implemented it may result in the removal of the signal.

Please coordinate the design and installation of the traffic signal with DOTD District 62 Office in Hammond. If you have any questions regarding this matter, please contact me at 225-379-1234 or Ryan Hoyt at 225-379-1370.

Sincerely,

Chad Winchester, P.E.
DOTD Chief Engineer

c: Ms. Cristine Gowland, Mr. Dalton Williams, Mr. Eric Dauphine, Mr. Greg Cromer, Mr. Ryan Hoyt