

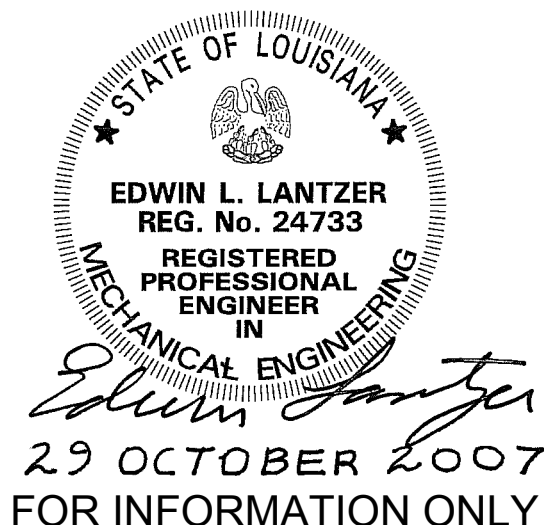
**STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND
DEVELOPMENT**

CONSTRUCTION PROPOSAL



FEDERAL AID PROJECT

**STATE PROJECT NO. 704-92-0017
INTERSTATE SIGN REPLACEMENT
ROUTES I-10, I-610, and US 90
JEFFERSON AND ORLEANS PARISHES**



STATE PROJECT NO. 704-92-0017
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FOR INFORMATION ONLY

NOTICE TO CONTRACTORS (08/07)

Either sealed paper bids or electronic bids for the following project will be received by the Department of Transportation and Development (DOTD). Paper bids can be delivered to the DOTD Headquarters Administration Building, 1201 Capitol Access Road, Room 405-L, Baton Rouge, Louisiana 70802 until 8:00 a.m on **Wednesday, December 12, 2007**. After 8:00 a.m., paper bids will be received in the Headquarters Auditorium until 10:00 a.m. Electronic bids must be submitted through www.bidx.com prior to the electronic bidding deadline. Beginning at 10:00 a.m., all bids will be publicly opened and presented in the Headquarters Auditorium. No bids will be received after 10:00 a.m. Any person requiring special accommodations shall notify DOTD at (225) 379-1111 not less than 3 business days before bid opening.

STATE PROJECT NO. 704-92-0017

FEDERAL AID PROJECT NO. ERP1 (060)

DESCRIPTION: INTERSTATE SIGN REPLACEMENT

ROUTES: I-10, I-610, and US 90

PARISHES: JEFFERSON and ORLEANS

TYPE: OVERHEAD MOUNTED SIGNING REPLACEMENTS, AND RELATED WORK.

LIMITS: State Project No. 704-92-0017: LOCATED AT VARIOUS LOCATIONS ALONG ROUTES I-10, I-610, AND US 90.

ESTIMATED COST RANGE: \$100,000 to \$250,000

PROJECT ENGINEER: CAPOTE, NELSON; 13911 FRERE STREET, LULING, LA 70070, (504) 465-3474.

PROJECT MANAGER: WIMMER, SCOTT; (225) 935-0110.

COST OF PROPOSAL FORMS: \$25.00

COST OF PLANS: Included in proposal (no additional charge).

Bids must be prepared and submitted in accordance with Section 102 of the 2006 Louisiana Standard Specifications for Roads and Bridges as amended by the project specifications, and must include all information required by the proposal.

FOR INFORMATION ONLY

NOTICE TO CONTRACTORS (CONTINUED)

Plans and/or proposals may be obtained in Room 101-A of the DOTD Headquarters Administration Building, 1201 Capitol Access Road in Baton Rouge, or by contacting the DOTD; Email: sharonknight@dotd.la.gov, Phone (225) 379-1111, FAX: (225) 379-1714, or by written requests sent to the Louisiana Department of Transportation and Development, Project Control Section, P. O. Box 94245, Baton Rouge, LA 70804-9245. Proposals will not be issued later than 24 hours prior to the time set for opening bids. The purchase price for plans and proposals is non-refundable. Plans and specifications may be seen at the Project Engineer's office or in Room 101-A of the DOTD's Headquarters Administration Building in Baton Rouge. Upon request, the Project Engineer will show the work.

The U. S. Department of Transportation (DOT) operates a toll free "Hotline" Monday through Friday, 8:00 a.m. to 5:00 p.m., eastern time. Anyone with knowledge of possible bid rigging, bidder collusion, or other fraudulent activities should call 1-800-424-9071. All information will be treated confidentially and caller anonymity will be respected.

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GENERAL BIDDING REQUIREMENTS (08/06): The specifications, contract and bonds governing the construction of the work are the 2006 Edition of the Louisiana Standard Specifications for Roads and Bridges, together with any supplementary specifications and special provisions attached to this proposal.

Bids shall be prepared and submitted in accordance with Section 102 of the Standard Specifications.

The plans herein referred to are the plans approved and marked with the project number, route and Parish, together with all standard or special designs that may be included in such plans. The bidder declares that the only parties interested in this proposal as principals are those named herein; that this proposal is made without collusion or combination of any kind with any other person, firm, association, or corporation, or any member or officer thereof; that careful examination has been made of the site of the proposed work, the plans, Standard Specifications, supplementary specifications and special provisions above mentioned, and the form of contract and payment, performance, and retainage bond; that the bidder agrees, if this proposal is accepted, to provide all necessary machinery, tools, apparatus and other means of construction and will do all work and furnish all material specified in the contract, in the manner and time therein prescribed and in accordance with the requirements therein set forth; and agrees to accept as full compensation therefore, the amount of the summation of the products of the quantities of work and material incorporated in the completed project, as determined by the engineer, multiplied by the respective unit prices herein bid.

It is understood by the bidder that the quantities given in this proposal are a fair approximation of the amount of work to be done and that the sum of the products of the approximate quantities multiplied by the respective unit prices bid shall constitute gross sum bid, which sum shall be used in comparison of bids and awarding of the contract.

The bidder further agrees to perform all extra and force account work that may be required on the basis provided in the specifications.

The bidder further agrees that within 15 calendar days after the contract has been transmitted to him, he will execute the contract and furnish the Department satisfactory surety bonds.

If this proposal is accepted and the bidder fails to execute the contract and furnish bonds as above provided, the proposal guaranty shall become the property of the Department; otherwise, said proposal guaranty will be returned to the bidder; all in accordance with Subsection 103.04.

DBE PARTICIPATION IN FEDERAL AID CONSTRUCTION CONTRACTS (07/00): This project has not been selected for a specific DBE Goal. The contractor shall meet the obligations of the Required Contract Provisions for DBE Participation in Federal Aid Construction Contracts contained elsewhere herein.

BUY AMERICA PROVISIONS (03/95): Pursuant to the "Buy America Provisions" of the Surface Transportation Assistance Act (STAA) of 1982 as promulgated by current FHWA regulation 23 CFR 635.410 and the Intermodal Surface Transportation Efficiency Act of 1991 (ISTEA) amendment to (STAA), all steel and iron materials permanently installed on this project shall be manufactured, including application of a coating, in the United States, unless a waiver of these provisions is granted. Coating includes all processes which protect or enhance the value of

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the material to which the coating is applied. The request for waiver must be presented in writing to the Department by the contractor. Such waiver may be granted if it is determined that:

- (1) The application of Buy America Provisions would be inconsistent with the public interest or
- (2) Such materials are not produced in the United States in sufficient and reasonably available quantities and of a satisfactory quality.

Minimal use of foreign steel and iron materials will be allowed without waiver provided the cost of these materials does not exceed 0.1 percent of the total contract cost or \$2,500, whichever is greater; however, the contractor shall make written request to the DOTD Construction Engineering Administrator for permission to use such foreign materials and shall furnish a listing of the materials, their monetary value, and their origin and place of production.

The burden of proof for the origin and place of production and any request for waiver is the responsibility of the contractor.

Prior to the use of steel and iron materials in the project, the contractor shall furnish Mill Test Reports to the engineer for such steel and iron materials, accompanied by a notarized certification stating that the Mill Test Reports represent the steel and iron materials to be furnished and that such materials were produced and fabricated in the United States.

Pig iron and processed, pelletized, and reduced iron ore are exempt from the Buy America Provisions.

DEFINITIONS AND TERMS (07/07): Subsection 101.03 of the Standard Specifications is amended as follows.

The definition for "Proposal/ Bid Guaranty" is deleted and following substituted.

Proposal/Bid Guaranty. The required security furnished with a bid. The only form of security acceptable is a Bid Bond.

BIDDING REQUIREMENTS (07/07) Section 102 of the Standard Specifications and the Supplemental Specifications thereto, is amended as follows.

Subsection 102.09, Proposal/Bid Guaranty is deleted and the following substituted.

102.09 PROPOSAL/BID GUARANTY. Each bid shall be accompanied by a proposal/bid guaranty in an amount not less than five percent of the total bid amount when the bidder's total bid amount as calculated by the Department in accordance with Subsection 103.01 is greater than \$50,000. No proposal/bid guaranty is required for projects when the bidder's total bid amount as calculated by the Department is \$50,000 or less. The official total bid amount for projects that include alternates is the total of the bidder's base bid and all alternates bid on and accepted by the Department. The proposal/bid guaranty submitted by the bidder shall be a bid bond made payable to the contracting agency as specified on the bid bond form provided in the construction proposal. No other form of security will be accepted.

The bid bond shall be on the "Bid Bond" form provided in the construction proposal, on a form that is materially the same in all respects to the "Bid Bond" form provided, or on an electronic form that has received Department approval prior to submission. The bid bond shall be filled in completely, shall be signed by an authorized officer, owner or partner of the bidding entity, or each entity representing a joint venture; shall be signed by the surety's agent or attorney-in-fact; and shall be accompanied by a notarized document granting general power of

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attorney to the surety's signer. The bid bond shall not contain any provisions that limit the face amount of the bond.

The bid bond will 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 also conform to the requirements of LSA-R.S. 48:253.

All signatures required on the bid bond may be original, mechanical reproductions, facsimiles or electronic. Electronic bonds issued in conjunction with electronic bids must have written Departmental approval prior to use. The Department will make a listing of approved electronic sureties providers on the Bidx.com site.

MAINTENANCE OF TRAFFIC (08/06): Subsection 104.03 of the 2006 Standard Specifications is amended to include the following requirements.

The contractor shall provide for and maintain through and local traffic at all times and shall conduct his operations in such manner as to cause the least possible interference with traffic at junctions with roads, streets and driveways.

The contractor shall direct special attention to the maintenance of traffic at entrance and exit ramps particularly when construction operations are being conducted on the adjacent travel lanes of interstate highways. Additional signs, barricades, channelizing devices, etc. shall be provided and maintained by the contractor as directed by the engineer and their cost shall be included in the prices bid on the Temporary Signs and Barricades pay items.

The roadway and shoulders shall remain open to traffic as much as possible during nonwork periods as directed by the engineer. During the period that all lanes are open to traffic, the contractor shall neither store material nor park equipment on roadway shoulders.

PUBLIC CONVENIENCE AND SAFETY (09/05): Subsection 107.07 of the Standard Specifications is amended to include the following.

The procurement of police officers for public safety during construction shall be in accordance with the Department's Policy for Use of Police Officers in Construction/Maintenance Work Zones. The DOTD project engineer shall determine the need for police officers to assist in controlling traffic in a particular work zone. The number of officers needed, the tasks they will perform, and their location within the work zone will vary as a function of the zone type. Police officers shall be placed at strategic locations at times during construction as determined by the DOTD project engineer.

The three types of law enforcement services are Police Presence, Police Enforcement and Police Traffic Control. Police Presence is defined as the use of police officers at the beginning of the active work zone area utilizing their blue lights to gain the attention of drivers. Police Enforcement is utilized when enforcement is required to enhance the safe operation of the work zone. Police Traffic Control is to be used in detour / diversion situations.

The DOTD project engineer will extend an invitation to the appropriate Louisiana State Police (LSP) Troop Commander to attend the pre-construction conference.

Prior to commencing the work on the project, the contractor shall contact the LSP Troop Commander to obtain law enforcement services of police officers during construction. If the LSP Troop is unable to provide law enforcement services for the project work zone, the LSP Troop Commander or the contractor will extend the invitation to the appropriate local law enforcement authorities.

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Police officers will report directly to the contractor. However, the contractor will not have the authority to direct the placement of the police officer or the patrol vehicle in situations that are contrary to established procedures and/or could endanger the police officer. The DOTD project engineer will make the final determination on all issues regarding police officer responsibility in work zones.

Prior to the beginning of the shift, the contractor shall provide a daily work zone briefing to the police officer. For major changes in traffic patterns, advanced notification shall be provided to the police agency working the detail. This information should also be provided to the motoring public through the DOTD district and / or the LSP Troop.

The contractor shall pay for law enforcement services provided by the police officers based on the hourly wage and vehicle rate fee schedule below. The Department will reimburse the contractor monthly for the incurred cost. The contractor shall furnish time record documentation with the request for reimbursement. The provisions of Subsection 109.04 shall not apply to this reimbursement.

The agreed upon fee schedule for police officers in the work zone is as follows:

\$25 per vehicle per day - vehicle use fee

\$40 per hour per officer (one officer per vehicle) (minimum 2 hours).

PAYMENT ADJUSTMENT (05/06): Section 109, Measurement and Payment of the Standard Specifications is amended to add the following.

This project is not designated for payment adjustments for asphalt cements or fuels.

TRAFFIC SIGNS AND DEVICES (04/07): Section 729 of the 2006 Standard Specifications and the supplemental specifications thereto, is amended as follows.

Subsection 729.02, Materials is amended as follows.

Heading (a), Sign and Marker Sheeting is deleted and the following is substituted.

(a) Sign and Marker Sheeting: Sheeting material for sign panels, delineators, barricades and other markers shall comply with Section 1015. All permanent signs shall meet the requirements of ASTM D 4956, Type III, except as follows:

Reflective sheeting for the permanent signs of Table 729-1 shall meet the requirements of ASTM D 4956, Type IX or Type X as modified in Subsection 1015.05.

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Table 729-1
Permanent Signs for Use With Type IX or X (modified) Reflective Sheeting

Sign	MUTCD Number
Stop	R1-1
Yield	R1-2
4-Way	R1-3
All Way	R1-4
Do Not Enter	R5-1
Wrong Way	R5-1a
Chevrons	W1-8
No Passing Zone Pennants	W14-3
Type 3 Object Marker	OM-3 (Right & Left)
Type 2 Object Marker	-----
Guardrail End Decals	-----

Subsection 729.04, Fabrication of Sign Panels and Markers is amended as follows.

Heading (c), Sheeting Application.

The third paragraph is deleted and the following substituted

ASTM D 4956 Type IX or X (modified) reflective sheeting shall be applied with an orientation determined by the engineer to obtain the optimum entrance angle performance. Fabricated vertical splices in ASTM D 4956 Type IX or X (modified) reflective sheeting will be allowed only when the horizontal dimension of the sign face or attached shield is in excess of the maximum manufactured width of the sheeting. Fabricated vertical splices in ASTM D 4956 Type IX or X (modified) reflective sheeting will also be allowed when the specified orientation will create excessive sheeting waste.

SIGNS AND PAVEMENT MARKINGS (05/07): Section 1015 of the 2006 Standard Specifications and the supplemental specifications thereto, is amended as follows.

Subsection 1015.04 Sign Panels is amended as follows.

Heading (a), Permanent Sign Panels is deleted and the following substituted.

(a) Permanent Sign Panels: Flat panels shall be aluminum sheets or plates complying with ASTM B 209, Alloy 6061-T6 or Alloy 5052-H38. Extruded aluminum panels shall comply with ASTM B 221 (ASTM B 221M), Alloy 6063-T6 and after fabrication, have a flatness equal to or less than 0.031 inch per foot of length and 0.004 inch per inch of width.

Subsection 1015.05, Reflective Sheeting, is amended as follows.

Heading (a), Permanent and Temporary Standard Sheeting is amended to add the following.

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Type X (Modified) (White, Yellow, Red) - A super high-intensity retroreflective sheeting having highest retroreflectivity characteristics at medium distances. This sheeting is typically an unmetalized microprismatic retroreflective element material. This material shall meet the requirements of ASTM D 4956 Type X except as modified below.

(1) Retroreflectivity: Minimum Coefficients of Retroreflection for Type X (Modified) White, Yellow, and Red sheeting shall be as specified in Table 1015-a

Table 1015-a
Coefficients of Retroreflection for Type X (Modified) Sheeting¹

Observation Angle, degrees	Entrance Angle, degrees	White	Yellow	Red
0.2	-4	600	450	90
0.2	+30	300	225	45
0.5	-4	240	180	36
0.5	+30	120	90	18

¹Minimum Coefficient of Retroreflection (R_A) ($\text{cd lx}^{-1}\text{m}^{-2}$)

Heading (d) Accelerated Weathering.

Table 1015-3 is deleted and the following substituted.

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Table 1015-3
Accelerated Weathering Standards¹

Type	Retroreflectivity ²				Colorfastness ³	
	Orange		All colors, except orange		Orange	All colors, except orange
III	1 year	80 ⁴	3 years	80 ⁴	1 year	3 years
III (for drums)	1 year	80 ⁴	1 year	80 ⁴	1 year	1 year
VI	1/2 year	50 ⁵	1/2 year	50 ⁵	1/2 year	1/2 year
IX	Not used		3 years	80 ⁶	Not used	3 years
X (Fluorescent Orange)	1 year	80 ⁷	Not used		1 year	Not used
X (Modified)	Not used		3 years	80 ⁸	Not used	3 years

¹At an angle of 45° from the horizontal and facing south in accordance with ASTM G 7 at an approved test facility in Louisiana or South Florida.

²Percent retained retroreflectivity of referenced table after the outdoor test exposure time specified.

³Colors shall conform to the color specification limits of ASTM D 4956 after the outdoor test exposure time specified.

⁴ASTM D 4956, Table 8.

⁵ASTM D 4956, Table 13.

⁶ASTM D 4956, Table 3.

⁷ASTM D 4956, Table 4.

⁸DOTD Standard Specifications, Table 1015-a.

Heading (e) Performance.

Table 1015-4 is deleted and the following substituted.

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Table 1015-4

Reflective Sheeting Performance Standards

Type	Retroreflectivity ¹ -- Durability ²				Colorfastness ³
	Orange		All colors, except orange		
III	3 years	80 ⁴	10 years	80 ⁴	3 years
IX	Not used		7 years	80 ⁵	3 years
X (Fluorescent. Orange)	3 years	80 ⁶	Not used		3 years
X (Modified)	Not used		7 years	80 ⁷	3 years

¹Percent retained retroreflectivity of referenced table after installation and the field exposure time specified.

²All sheeting shall maintain its structural integrity, adhesion and functionality after installation and the field exposure time specified.

³All colors shall conform to the color specification limits of ASTM D4956 after installation and the field exposure time specified.

⁴ASTM D4956, Table 8.

⁵ASTM D 4956, Table 3.

⁶ASTM D 4956, Table 4.

⁷DOTD Standard Specifications, Table 1015-a.

Heading (g), Sheeting Guaranty.

Table 1015-5 is deleted and the following substituted.

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**Table 1015-5
Manufacturer's Guaranty-Reflective Sheeting**

Type	Manufacturer shall restore the sign face in its field location to its original effectiveness at no cost to the Department if failure occurs during the time period ¹ as specified below		Manufacturer shall replace the sheeting required to restore the sign face to its original effectiveness at no cost to the Department if failure occurs during the time period ¹ as specified below
	Orange	All colors, except orange	All colors, except orange
III	<3 years	<7 years	7-10 years
IX	Not used	<5 years	5-7 years
X (Fluorescent Orange)	<3 years	Not used	Not used
X (Modified)	Not used	< 5 years	5-7 years

¹From the date of sign installation.

CONTRACT TIME (03/05): The entire contract shall be completed in all details and ready for final acceptance in accordance with Subsection 105.17(b) within **thirty (30) working days**.

Prior to assessment of contract time, the contractor will be allowed 30 calendar days from the date stipulated in the Notice to Proceed to commence with portions of the contract work including but not limited to assembly periods, preparatory work for materials fabrications such as test piles, or other activities which hinder progress in the beginning stages of construction. Prior to issuance of the Notice to Proceed, the Department will consider extending the assembly period upon written request from the contractor justifying the need for additional time.

The contractor shall be responsible for maintenance of traffic from the beginning of the assembly period. During the assembly period, the contractor will be allowed to do patching and other maintenance work necessary to maintain the roadway with no time charges when approved by the engineer.

If the contractor begins regular construction operations prior to expiration of the assembly period, the assessment of contract time will commence at the time construction operations are begun.

FOR INFORMATION ONLY

**LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
SUPPLEMENTAL SPECIFICATIONS
(FOR 2006 STANDARD SPECIFICATIONS)**

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FOR INFORMATION ONLY

**LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
SUPPLEMENTAL SPECIFICATIONS**

The 2006 Louisiana Standard Specifications for Roads and Bridges and supplemental specifications thereto are amended as follows.

SECTION 108 – PROSECUTION AND PROGRESS:

Subsection 108.04 – Prosecution of Work (03/05) Pages 74 and 75.

Add the following sentence to the third paragraph of Heading (b).

Should the surety or the Department take over prosecution of the work, the contractor shall remain disqualified for a period of one year from the completion of the project, unless debarment proceedings are instituted.

When the Department of Transportation and Development is not the contracting agency on the project, the second paragraph under Heading (c) is deleted.

SECTION 202 – REMOVING OR RELOCATING STRUCTURES AND OBSTRUCTIONS:

Subsection 202.06 – Plugging or Relocating Existing Water Wells (03/04), Page 105.

Delete the first sentence and substitute the following.

All abandoned wells shall be plugged and sealed at the locations shown on the plans, or as directed by the engineer, in accordance with the “Water Well Rules, Regulations, and Standards, State of Louisiana.” This document is available at the Department of Transportation and Development, Water Resources Section, P. O. Box 94245, Baton Rouge, Louisiana 70804-9245. The Water Resource Section’s telephone number is (225) 274-4172.

SECTION 302 – CLASS II BASE COURSE:

Subsection 302.05 – Mixing (08/06), Pages 152 and 153.

Delete the first sentence of Subheading (b)(1), In-Place Mixing, and substitute the following.

In-place mixing shall conform to Heading (a)(1) except that the percentage of Type I portland cement required will be 6 percent by volume.

SECTION 502 – SUPERPAVE ASPHALTIC CONCRETE MIXTURES:

Subsection 502.02 – Materials (08/06), Pages 210 – 213.

Delete Table 502-3, Aggregate Friction Rating under Subheading (c)(1) and substitute the following.

FOR INFORMATION ONLY

Table 502-3
Aggregate Friction Rating

Friction Rating	Allowable Usage
I	All mixtures
II	All mixtures
III	All mixtures, except travel lane wearing courses with plan ADT greater than 7000 ¹
IV	All mixtures, except travel lane wearing courses ²

¹ When plan current average daily traffic (ADT) is greater than 7000, blending of Friction Rating III aggregates and Friction Rating I and/or II aggregates will be allowed for travel lane wearing courses at the following percentages. At least 30 percent by weight (mass) of the total aggregates shall have a Friction Rating of I, or at least 50 percent by weight (mass) of the total aggregate shall have a Friction Rating of II. The frictional aggregates used to obtain the required percentages shall not have more than 10 percent passing the No. 8 (2.36 mm) sieve.

² When the average daily traffic (ADT) is less than 2500, blending of Friction Rating IV aggregates with Friction Rating I and/or II aggregates will be allowed for travel lane wearing courses at the following percentages. At least 50 percent by weight (mass) of the total aggregate in the mixture shall have a Friction Rating of I or II. The frictional aggregates used to obtain the required percentages shall not have more than 10 percent passing the No. 8 (2.36 mm) sieve.

SECTION 704 – GUARD RAIL:

Subsection 704.03 – General Construction Requirements (01/05), Pages 368 and 369.

Add the following to subparagraph (d), Guard Rail End Treatments.

All end treatments shall bear a label indicating the manufacturer and exact product name of the end treatment along with its assigned NCHRP 350 test level. This label shall resist weathering and shall be permanently affixed to the railing in such a way as to be readily visible.

SECTION 713 – TEMPORARY TRAFFIC CONTROL:

Subsection 713.06 – Pavement Markings (08/06), Pages 400 – 403.

Delete Table 713-1, Temporary Pavement Markings and substitute the following.

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

		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 (1.2m) tape on 40-foot (12 m) centers; double yellow centerline	Lane lines 4-foot (1.2 m) tape on 40-foot (12 m) centers
L O N G T E R M	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.

SECTION 901 – PORTLAND CEMENT CONCRETE:

Subsection 901.08 – Composition of Concrete (12/05), Pages 732 – 734.

Add the following to Heading (a).

The blended cement containing up to 50 percent of grade 100 or grade 120 ground granulated blast-furnace slag must be in compliance with Subsection 1001.04 for portland blast-furnace slag cement.

SECTION 1005 – JOINT MATERIALS FOR PAVEMENTS AND STRUCTURES:

Subsection 1005.04 – Combination Joint Former/Sealer (11/05), Pages 782 and 783.

Delete Heading (a) and substitute the following.

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Supplemental Specifications (April 2007)

Page 4 of 4

(a) Description: This joint former/sealer is intended for use in simultaneously forming and sealing a weakened plane in portland cement concrete pavements.

The material shall consist of an elastomeric strip permanently bonded either mechanically or chemically at the top of each of two rigid plastic side frames and covered with a removable plastic top cap. Side frames shall be of such configuration that when the sealer is inserted into plastic concrete and vibrated, a permanent bond forms between side frames and concrete.

Delete Heading (b)(1) and substitute the following.

(1) Elastomer: The elastomer strip portion of the material shall be manufactured from vulcanized elastomeric compound using polymerized chloroprene or thermoplastic vulcanizate as the base polymer, and shall comply with the following requirements:

<u>Property</u>	<u>ASTM Test Method</u>	<u>Requirements</u>	
		<u>Polymerized Chloroprene</u>	<u>Thermoplastic Vulcanizate</u>
Tensile Strength, kPa, Min.	D 412	12,400	7,400
Elongation at Break, % Min.	D 412	200	400
Hardness, Shore A	D 2240	65 ± 10	65 ± 10
Properties after Aging, 70 h @ 100°C	D 573		
Tensile Strength, % Loss, Max.		20	20
Elongation, % loss, Max.		25	25
Hardness, pts. increase, Max.		10	10
Ozone Resistance, 20% strain or bentloop, 300 pphm in air, 70 h @ 40°C	D 1149	no cracks	no cracks
Oil Swell, IRM 903, 70 h @ 100°C, wt change, % Max.	D 471	45	75

Delete Headings (b)(2) and (b)(3) and substitute the following:

(2) Bond of Elastomer to Plastic: The force required to shear the elastomer from the plastic shall be a minimum of 5.0 pounds per linear inch (90 g/mm) of sealer when tested in accordance with DOTD TR 636.

(3) Bond of Plastic to Cement Mortar: This bond will be evaluated and shall meet the following requirements:

The force required to separate the cement mortar from the plastic shall be a minimum of 5.0 pounds per linear inch (90 g/mm) of sealer when tested in accordance with DOTD TR 636.

SECTION 1013 – METALS:

Subsection 1013.09 – Steel Piles (08/06) Page 822.

Delete the title and references to “Steel Piles” in this subsection and substitute “Steel H Piles”.

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**LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
SUPPLEMENTAL SPECIFICATIONS**

FEMALE AND MINORITY PARTICIPATION IN CONSTRUCTION

The following notice shall be included in, and shall be a part of, all solicitations for offers and bids on all federal and federally assisted construction contracts or subcontracts in excess of \$10,000 to be performed in geographical areas designated by the director of OFCCP. Execution of the contract by the successful bidder and any subsequent subcontracts will be considered the contractor's and subcontractor's commitment to the EEO provisions contained in this notice.

**NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION
TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY
(EXECUTIVE ORDER 11246)**

1. The Offeror's or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Opportunity Construction Contract Specifications" set forth herein.
2. The goals for minority and female participation, expressed in percentage terms for the contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

AREA	PARISH OR COUNTY	GOAL (%)
FEMALE PARTICIPATION		
-	All Covered Areas	6.9
MINORITY PARTICIPATION (UNDER NEW ORLEANS PLAN)		
-	* See Note Below	20 to 23
MINORITY PARTICIPATION (NOT UNDER NEW ORLEANS PLAN)		
1	Jefferson LA, Orleans LA, St. Bernard LA, St. Tammany LA	31.0
2	Assumption LA, Lafourche LA, Plaquemines LA, St. Charles LA, St. James LA, St. John the Baptist LA, Tangipahoa LA, Terrebonne LA, Washington LA, Forrest MS, Lamar MS, Marion MS, Pearl River MS, Perry MS, Pike MS, Walthall MS	27.7
3	Ascension LA, East Baton Rouge LA, Livingston LA, West Baton Rouge, LA	26.1
4	Concordia LA, East Feliciana LA, Iberville, LA, Pointe Coupee LA, St. Helena LA, West Feliciana LA, Adams MS, Amite MS, Wilkinson, MS	30.4
5	Lafayette LA	20.6
6	Acadia LA, Evangeline LA, Iberia LA, St. Landry LA, St. Martin LA, St. Mary LA, Vermillion LA	24.1
7	Calcasieu LA	19.3
8	Allen LA, Beauregard LA, Cameron LA, Jefferson Davis LA, Vernon LA	17.8
9	Grant LA, Rapides LA	25.7
10	Avoyelles LA, Bienville LA, Bossier LA, Caddo LA, Claiborne LA, DeSoto LA, Natchitoches LA, Red River LA, Sabine LA, Webster LA, Winn LA	29.3
11	Ouachita LA	22.8
12	Caldwell LA, Catahoula LA, East Carroll LA, Franklin LA, Jackson LA, LaSalle LA, Lincoln LA, Madison LA, Morehouse LA, Richland LA, Tensas LA, Union LA, West Carroll LA,	27.9

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*These goals apply only to those contractors signatory to the New Orleans Plan and only with respect to those trades which have unions participating in said Plan. The New Orleans Plan Covered Area is as follows: The parishes of Orleans, Jefferson, St. Bernard, St. Tammany, St. Charles, St. John the Baptist, Plaquemines, Washington, Terrebonne, Tangipahoa (that area east of the Illinois Central Railroad), Livingston (that area southeast of the line from a point off the Livingston and Tangipahoa Parish line adjacent from New Orleans and Baton Rouge), St. James (that area southeast of a line drawn from the Town of Gramercy to the point of intersection of St. James, Lafourche and Assumption Parishes), and Lafourche.

These goals are applicable to all the contractor's construction work (whether or not it is federal or federally assisted) performed in the covered area. If the contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor is also subject to the goals for both its federally involved and nonfederally involved construction.

The contractor's compliance with the Executive Order and the regulations in 41 CFR 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its efforts to meet the goals established for the geographical area where the contract resulting from this solicitation is to be performed. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from contractor to contractor, or from project to project, for the purpose of meeting the contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The contractor shall provide written notification to the Regional Administrator of the Office of Federal Contract Compliance Programs (555 Griffin Square Building, Dallas, TX 75202) within 10 working days of award of any construction subcontract in excess of \$10,000 at any tier for construction work under the contract. The notification shall list the name, address and telephone number of the subcontractor; employer identification number; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and geographical area in which the contract is to be performed.

4. As used in this Notice and in the contract, the "covered area" is that area shown in the foregoing table in which the project is located.

The following Standard Federal Equal Employment Opportunity Construction Contract Specifications (Executive Order 11246) shall be included in, and shall be a part of, all solicitations for offers and bids on all federal and federally assisted construction contracts or subcontracts in excess of \$10,000. Execution of the contract by the successful bidder and any

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subsequent subcontracts will be considered the contractor's and subcontractor's commitment to the EEO provisions contained in these Standard Federal Equal Employment Opportunity Construction Contract Specifications (Executive Order 11246).

**STANDARD FEDERAL EQUAL EMPLOYMENT OPPORTUNITY
CONSTRUCTION CONTRACT SPECIFICATIONS
(EXECUTIVE ORDER 11246)**

1. As used in these specifications:
 - a. "Covered area" means the geographical area described in the solicitation from which this contract resulted;
 - b. "Director" means Director, Office of Federal Contract Compliance Programs, United States Department of Labor, or any person to whom the Director delegates authority;
 - c. "Employer identification number" means the Federal Social Security number used on the Employer's Quarterly Federal Tax Return, U. S. Treasury Department Form 941.
 - d. "Minority" includes:
 - (i) Black (all persons having origins in any of the Black African racial groups not of Hispanic origin);
 - (ii) Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish Culture or origin, regardless of race);
 - (iii) Asian and Pacific Islander (all persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian Subcontinent, or the Pacific Islands); and
 - (iv) American Indian or Alaskan Native (all persons having origins in any of the original peoples of North America and maintaining identifiable tribal affiliations through membership and participation or community identification).
2. If the contractor, or any subcontractor at any tier, subcontracts a portion of the work involving any construction trade, he shall include in each subcontract in excess of \$10,000 the provisions of these specifications and the Notice which contains the applicable goals for minority and female participation.
3. If the contractor is participating (pursuant to 41 CFR 60-4.5) in a Hometown Plan approved by the U.S. Department of Labor in the covered area either individually or through an association, its affirmative action obligations on all work in the Plan area (including goals and timetables) shall be in accordance with that Plan for those trades which have unions participating in the Plan. Contractors must be able to demonstrate their participation in and compliance with the provisions of any such Hometown Plan. Each contractor or subcontractor participating in an approved Plan is required to comply with his obligations under the EEO clause, and to make good faith effort to achieve each goal under the Plan in each trade in which it has employees. The overall good faith performance by other contractor or subcontractors toward a goal in an

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approved Plan does not excuse any covered contractor's or subcontractor's failure to take good faith efforts to achieve the Plan goals.

4. The contractor shall implement the specific affirmative action standards provided in paragraphs 7a through 7p of these specifications. The goals set forth in the solicitation from which this contract resulted are expressed as percentages of the total hours of employment and training of minority and female utilization the contractor should reasonably be able to achieve in each construction trade in which it has employees in the covered area. Covered construction contractors performing construction work in geographical areas where they do not have a federal or federally assisted construction contract shall apply the minority and female goals established for the geographical area where the work is being performed. Goals are published periodically in the Federal Register in notice form, and such notices may be obtained from any OFCCP office or from federal procurement contracting officers. The contractor is expected to make substantially uniform progress in meeting its goals in each craft during the period specified.

5. Neither the provisions of any collective bargaining agreement, nor the failure by a union with whom the contractor has a collective bargaining agreement, to refer either minorities or women, shall excuse the contractor's obligations under these specifications, Executive Order 11246, or the regulations promulgated pursuant thereto.

6. In order for the nonworking training hours of apprentices and trainees to be counted in meeting the goals, such apprentices and trainees must be employed by the contractor during the training period, and the contractor must have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities. Trainees must be trained pursuant to training programs approved by the U. S. Department of Labor.

7. The contractor shall take specific affirmative actions to ensure equal employment opportunity. The evaluation of the contractor's compliance with these specifications will be based on his effort to achieve maximum results from its actions. The contractor shall document these efforts fully, and shall implement affirmative action steps at least as extensive as the following:

a. Ensure and maintain a working environment free of harassment, intimidation and coercion at all sites, and in all facilities at which the contractor's employees are assigned to work. The contractor, where possible, will assign 2 or more women to each construction project. The contractor shall ensure that all foremen, superintendents and other on-site supervisory personnel are aware of and carry out the contractor's obligation to maintain such a working environment with specific attention to minority or female individuals working at such sites or in such facilities.

b. Establish and maintain a current list of minority and female recruitment sources, provide written notification to minority and female recruitment sources and to community organizations when the contractor or its unions have employment opportunities available, and maintain a record of the organizations' responses.

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- c. Maintain a current file of the names, addresses and telephone numbers of each minority and female off-the-street applicant and minority or female referral from a union, a recruitment source or community organization and of what action was taken with respect to each such individual. If such individual was sent to the union hiring hall for referral and was not referred back to the contractor by the union or, if referred, not employed by the contractor, this shall be documented in the file with the reason therefor, along with whatever additional actions the contractor has taken.
- d. Provide immediate written notification to the Director when the union or unions with which the contractor has a collective bargaining agreement has not referred to the contractor a minority person or woman set by the contractor, or when the contractor has other information that the union referral process has impeded the contractor's efforts to meet its obligations.
- e. Develop on-the-job training opportunities and/or participate in training programs for the area which include minorities and women, including upgrading programs and apprenticeship and trainee programs relevant to the contractor's employment needs, especially those programs funded or approved by the Department of Labor. The contractor shall provide notice of these programs to the sources compiled under 7b above.
- f. Disseminate the contractor's EEO policy by providing notice of the policy to unions and training programs and requesting their cooperation in assisting the contractor in meeting his EEO obligations; by including it in any policy manual and collective bargaining agreement; by publicizing it in the company newspaper, annual report, etc.; by specific review of the policy with all management personnel and with all minority and female employees at least once a year; and by posting the company EEO policy on bulletin boards accessible to all employees at each location where construction work is performed.
- g. Review, at least annually, the company's EEO policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring, assignment, layoff, termination or other employment decisions including specific review of these items with on-site supervisory personnel such as superintendent, general foremen, etc., prior to the initiation of construction work at any job site. A written record shall be made and maintained identifying the time and place of these meetings, persons attending, subject matter discussed, and disposition of the subject matter.
- h. Disseminate the contractor's EEO policy externally by including it in ny advertising in the news media, including minority and female news media, and providing written notification to and discussing the contractor's EEO policy with other contractors and subcontractors with whom the contractor does or anticipates doing business.
- i. Direct its recruitment efforts, both oral and written, to minority, female and community organizations, to schools with minority and female students and to minority and female recruitment and training organizations serving the contractor's recruitment area and employment needs. Not later than 1 month prior to the date for the acceptance of applications for apprenticeship or other training by any recruitment source, the contractor shall send written notification to organizations such as the above describing the openings, screening procedures and tests to be used in the selection process.

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- j. Encourage present minority and female employees to recruit other minority persons and women, and where reasonable, provide after school, summer and vacation employment to minority and female youth both on the site and in other areas of a contractor's workforce.
- k. Validate all tests and other selection requirements where there is an obligation to do so under 41 CFR 60-3.
- l. Conduct, at least annually, an inventory and evaluation of all minority and female personnel for promotional opportunities and encourage these employees to seek or to prepare for, through appropriate training, etc., such opportunities.
- m. Ensure that seniority practices, job classifications, work assignments and other personnel practices, do not have a discriminatory effect by continually monitoring all personnel and employment related activities to ensure that the EEO policy and the contractor's obligations under these specifications are being carried out.
- n. Ensure that all facilities and company activities are nonsegregated except that separate or single-user toilet and necessary changing facilities shall be provided to assure privacy between the sexes.
- o. Document and maintain a record of all solicitations of offers for subcontracts from minority and female construction contractors and suppliers, including circulation of solicitations to minority and female contractor associations and other business associations.
- p. Conduct a review, at least annually, of all supervisors' adherence to and performance under the contractor's EEO policies and affirmative action obligations.

8. Contractors are encouraged to participate in voluntary associations which assist in fulfilling their affirmative action obligations (7a through p). The efforts of a contractor association, joint contractor-union, contractor-community, or other similar group of which the contractor is a member and participant, may be asserted as fulfilling its obligations under 7a through 7p of these specifications provided that the contractor actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensures that the concrete benefits of the program are reflected in the contractor's minority and female workforce participation, makes a good faith effort to meet his goals and timetables and can provide access to documentation which demonstrates the effectiveness of actions taken on behalf of the contractor. The obligation to comply, however, is the contractor's and failure of such a group to fulfill an obligation shall not be a defense for the contractor's noncompliance.

9. A goal for minorities and a separate goal for women have been established. The contractor, however, is required to provide equal employment opportunity and to take affirmative action for all minority groups, both male and female, and all women, both minority and nonminority. Consequently, the contractor may be in violation of the Executive Order if a group is employed in a substantially disparate manner (for example, even though the contractor has achieved its goals for women generally, the contractor may be in violation of the Executive Order if a minority group of women is underutilized).

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10. The contractor shall not use the goals or affirmative action standards to discriminate against any person because of race, color, religion, sex or national origin.

11. The contractor shall not enter into a subcontract with any person or firm debarred from Government contracts pursuant to Executive Order 11246. 12. The contractor shall carry out such sanctions and penalties for violation of these specifications and of the Equal Opportunity Clause, including suspension, termination and cancellation of existing subcontracts as may be imposed or ordered pursuant to Executive Order 11246, as amended, and its implementing regulations, by the Office of Federal Contract Compliance Programs. Any contractor who fails to carry out such sanctions and penalties shall be in violation of these specifications and Executive Order 11246, as amended.

13. The contractor, in fulfilling his obligations under these specifications, shall implement specific affirmative actions steps, at least as extensive as the standards prescribed in paragraph 7 of these specifications, so as to achieve maximum results from its efforts to ensure equal employment opportunity. If the contractor fails to comply with the requirements of the Executive Order, the implementing regulations or these specifications, the Director shall proceed in accordance with 41 CFR 60-4.8.

14. The contractor shall designate a responsible official to monitor all employment related activity to ensure that the company EEO policy is being carried out, to submit reports relating to the provisions hereof as may be required by the Government and to keep records. Records shall at least include for each employee the name, address, telephone numbers, construction trade, union affiliation if any, employee identification number when assigned, social security number, race, sex, status (e.g., mechanic, apprentice, trainee helper, or laborer), dates of changes in status, hours worked per week in the indicated trade, rate of pay and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that existing records satisfy this requirement, contractors will not be required to maintain separate records.

15. Nothing herein shall be construed as a limitation on the application of other laws which establish different standards of compliance or on the application of requirements for hiring of local or other area residents (e.g., those under the Public Works Employment Act of 1977 and the Community Development Block Grant Program).

16. In addition to the reporting requirements set forth elsewhere in this contract, the contractor and subcontractors holding subcontracts (not including material suppliers) in excess of \$10,000 shall submit for every month of July during which work is performed, employment data as contained under Form FHWA-1391 in accordance with instructions included thereon.

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**LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
SUPPLEMENTAL SPECIFICATIONS**

NEW ORLEANS PLAN

Each bidder, contractor or subcontractor (hereinafter called the contractor) must fully comply with these bid conditions as to each construction trade intended to be used on this construction contract and all other construction work (both federal and nonfederal) in New Orleans Plan Area during the performance of this contract or subcontract. The contractor commits to the minority and female employment utilization goals set forth herein and all other requirements, terms and conditions expressed herein by submitting a properly signed bid.

The contractor shall appoint a company executive to assume the responsibility for implementation of the requirements, terms and conditions of these bid conditions.

These specifications implementing the New Orleans Plan for employment of minorities and females have been imposed by the U. S. Department of Labor by order on September 8, 1971, as amended, for all nonexempt federal and federally assisted construction contracts to be awarded in the area of jurisdiction of the Southeast Louisiana Building and Construction Trades Council in the City of New Orleans and Southeast Louisiana. This area consists of the parishes of Orleans, Jefferson, St. Bernard, St. Tammany, St. Charles, St. John the Baptist, Plaquemines, Washington, Terrebonne, Tangipahoa (that area east of the Illinois Central Railroad), Livingston (that area southeast of the line from a point off the Livingston and Tangipahoa Parish line adjacent from New Orleans and Baton Rouge), St. James (that area southeast of a line drawn from the Town of Gramercy to the point of intersection of St. James, Lafourche and Assumption Parishes), and Lafourche.

The provisions of these bid conditions apply to contractors which are party to collective bargaining agreements with labor organizations which together have agreed to the New Orleans Area Construction Program (hereinafter called the New Orleans Plan) for equal opportunity and have jointly made a commitment to goals of minority and female utilization. The New Orleans Plan is a voluntary agreement between (1) Southeast Louisiana Building and Construction Trades Council; (2) contractors and subcontractors who are signatory to the New Orleans Plan; (3) the Urban League of Greater New Orleans and representatives of the minority community; and (4) the City of New Orleans. The New Orleans Plan, together with all implementing agreements that have been and may hereafter be developed pursuant thereto, are incorporated herein by reference.

The requirements set forth herein shall constitute the specific affirmative action requirements for activities under this contract and supplement the equal employment opportunity requirements set forth in the Required Contract Provisions.

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The contractor and all subcontractors holding contracts in excess of \$10,000 shall comply with the following minimum requirement activities of equal employment opportunity. The contractor shall include these requirements in every subcontract in excess of \$10,000 with such modification of language as necessary to make them binding on the subcontractor.

Each contractor and subcontractor shall submit a monthly employment utilization report, Standard Form 257, covering the contractor's entire work force employed on all contracts (both federal and nonfederal) held in the New Orleans Area. In addition, a list of the federal and nonfederal contracts which are covered by the report shall be furnished. The report shall be submitted to the engineer no later than the 10th day following the end of the month being reported. The report shall end on the next to the last Saturday in the month being reported and shall reflect all hours worked between this date and the close out date in the preceding month. Copies of all payrolls and personnel data shall be retained for 3 years after final acceptance of the project. These records and documents, or copies thereof, shall be made available at reasonable times and places for inspection by an authorized representative of the State or Federal Government and shall be submitted upon request with any other compliance information which such representative may require.

In addition to the reporting requirements set forth above, the contractor and the subcontractors holding subcontracts, not including material suppliers, in excess of \$10,000 shall submit for every month of July during which work is performed, employment data as contained under Form FHWA-1391, and in accordance with the instructions included thereon.

A contractor may be in compliance with these bid conditions by its participation in the New Orleans Plan and applicable provisions contained in the "Notice of Requirement for Affirmative Action to Ensure Equal Employment Opportunity (Executive Order 11246)" and Standard Federal Equal Employment Opportunity Construction Contract Specifications (Executive Order 11246).

LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS

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ATTACHMENTS

A. Employment Preference for Appalachian Contracts (included in Appalachian contracts only)

I. GENERAL

1. These contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract.

2. Except as otherwise provided for in each section, the contractor shall insert in each subcontract all of the stipulations contained in these Required Contract Provisions, and further require their inclusion in any lower tier subcontract or purchase order that may in turn be made. The Required Contract Provisions shall not be incorporated by reference in any case. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with these Required Contract Provisions.

3. A breach of any of the stipulations contained in these Required Contract Provisions shall be sufficient grounds for termination of the contract.

4. A breach of the following clauses of the Required Contract Provisions may also be grounds for debarment as provided in 29 CFR 5.12:

Section I, paragraph 2;
Section IV, paragraphs 1, 2, 3, 4, and 7;
Section V, paragraphs 1 and 2a through 2g.

5. Disputes arising out of the labor standards provisions of Section IV (except paragraph 5) and Section V of these Required Contract Provisions shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the U.S. Department of Labor (DOL) as set forth in 29 CFR 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the DOL, or the contractor's employees or their representatives.

6. **Selection of Labor:** During the performance of this contract, the contractor shall not:

a. discriminate against labor from any other State, possession, or territory of the United States (except for employment preference for Appalachian contracts, when applicable, as specified in Attachment A), or

b. employ convict labor for any purpose within the limits of the project unless it is labor performed by convicts who are on parole, supervised release, or probation.

II. NONDISCRIMINATION

(Applicable to all Federal-aid construction contracts and to all related subcontracts of \$10,000 or more.)

1. **Equal Employment Opportunity:** Equal employment opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (28 CFR 35, 29 CFR 1630 and 41 CFR 60) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140 shall constitute the EEO and specific affirmative action standards for the contractor's project activities under this contract. The Equal Opportunity Construction Contract Specifications set forth under 41 CFR 60-4.3 and the provisions of the American Disabilities Act of 1990 (42 U.S.C. 12101 *et seq.*) set forth under 28 CFR 35 and 29 CFR 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

a. The contractor will work with the State highway agency (SHA) and the Federal Government in carrying out EEO obligations and in their review of his/her activities under the contract.

b. The contractor will accept as his operating policy the following statement:

"It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, preapprenticeship, and/or on-the-job training."

2. **EEO Officer:** The contractor will designate and make known to the SHA contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active contractor program of EEO and who must be assigned adequate authority and responsibility to do so.

3. **Dissemination of Policy:** All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action, or who are substantially involved in such action, will be made fully cognizant of, and will

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implement, the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer.

b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.

c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minority group employees.

d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.

e. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

4. **Recruitment:** When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minority groups in the area from which the project work force would normally be derived.

a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minority group applicants. To meet this requirement, the contractor will identify sources of potential minority group employees, and establish with such identified sources procedures whereby minority group applicants may be referred to the contractor for employment consideration.

b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, he is expected to observe the provisions of that agreement to the extent that the system permits the contractor's compliance with EEO contract provisions. (The DOL has held that where implementation of such agreements have the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Executive Order 11246, as amended.)

c. The contractor will encourage his present employees to refer minority group applicants for employment. Information and procedures with regard to referring minority group applicants will be discussed with employees.

5. **Personnel Actions:** Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, national origin, age or disability. The following procedures shall be followed:

a. The contractor will conduct periodic inspections of project sites to insure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.

b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.

c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.

d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with his obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of his avenues of appeal.

6. Training and Promotion:

a. The contractor will assist in locating, qualifying, and increasing the skills of minority group and women employees, and applicants for employment.

b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs, i.e., apprenticeship, and on-the-job training programs for the geographical area of contract performance. Where feasible, 25 percent of apprentices or trainees in each occupation shall be in their first year of apprenticeship or training. In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision.

c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.

d. The contractor will periodically review the training and promotion potential of minority group and women employees and will encourage eligible employees to apply for such training and promotion.

7. **Unions:** If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use his/her best efforts to obtain the cooperation of such unions to increase opportunities for minority groups and women within the unions, and to effect referrals by such unions of minority and female employees. Actions by the contractor either directly or through a contractor's association acting as agent will include the procedures set forth below:

a. The contractor will use best efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minority group members and women for membership in the unions and increasing the skills of minority group employees and women so that they may qualify for higher paying employment.

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b. The contractor will use best efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, national origin, age or disability.

c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the SHA and shall set forth what efforts have been made to obtain such information.

d. In the event the union is unable to provide the contractor with a reasonable flow of minority and women referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, national origin, age or disability; making full efforts to obtain qualified and/or qualifiable minority group persons and women. (The DOL has held that it shall be no excuse that the union with which the contractor has a collective bargaining agreement providing for exclusive referral failed to refer minority employees.) In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the SHA.

8. Selection of Subcontractors, Procurement of Materials and Leasing of Equipment: The contractor shall not discriminate on the grounds of race, color, religion, sex, national origin, age or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment.

a. The contractor shall notify all potential subcontractors and suppliers of his/her EEO obligations under this contract.

b. Disadvantaged business enterprises (DBE), as defined in 49 CFR 23, shall have equal opportunity to compete for and perform subcontracts which the contractor enters into pursuant to this contract. The contractor will use his best efforts to solicit bids from and to utilize DBE subcontractors or subcontractors with meaningful minority group and female representation among their employees. Contractors shall obtain lists of DBE construction firms from SHA personnel.

c. The contractor will use his best efforts to ensure subcontractor compliance with their EEO obligations.

9. Records and Reports: The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following completion of the contract work and shall be available at reasonable times and places for inspection by authorized representatives of the SHA and the FHWA.

a. The records kept by the contractor shall document the following:

(1) The number of minority and non-minority group members and women employed in each work classification on the project;

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women;

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minority and female employees; and

(4) The progress and efforts being made in securing the services of DBE subcontractors or subcontractors with meaningful minority and female representation among their employees.

b. The contractors will submit an annual report to the SHA each July for the duration of the project, indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on Form FHWA-1391. If on-the-job training is being required by special provision, the contractor will be required to collect and report training data.

III. NONSEGREGATED FACILITIES

(Applicable to all Federal-aid construction contracts and to all related subcontracts of \$10,000 or more.)

a. By submission of this bid, the execution of this contract or subcontract, or the consummation of this material supply agreement or purchase order, as appropriate, the bidder, Federal-aid construction contractor, subcontractor, material supplier, or vendor, as appropriate, certifies that the firm does not maintain or provide for its employees any segregated facilities at any of its establishments, and that the firm does not permit its employees to perform their services at any location, under its control, where segregated facilities are maintained. The firm agrees that a breach of this certification is a violation of the EEO provisions of this contract. The firm further certifies that no employee will be denied access to adequate facilities on the basis of sex or disability.

b. As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, restrooms and washrooms, restaurants and other eating areas, timeclocks, locker rooms, and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive, or are, in fact, segregated on the basis of race, color, religion, national origin, age or disability, because of habit, local custom, or otherwise. The only exception will be for the disabled when the demands for accessibility override (e.g. disabled parking).

c. The contractor agrees that it has obtained or will obtain identical certification from proposed subcontractors or material suppliers prior to award of subcontracts or consummation of material supply agreements of \$10,000 or more and that it will retain such certifications in its files.

IV. PAYMENT OF PREDETERMINED MINIMUM WAGE

(Applicable to all Federal-aid construction contracts exceeding \$2,000 and to all related subcontracts, except for projects located on roadways classified as local roads or rural minor collectors, which are exempt.)

1. General:

a. All mechanics and laborers employed or working upon the site of the work will be paid unconditionally and not less often than once a week and without subsequent deduction or rebate on any

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account [except such payroll deductions as are permitted by regulations (29 CFR 3) issued by the Secretary of Labor under the Copeland Act (40 U.S.C. 276c)] the full amounts of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment. The payment shall be computed at wage rates not less than those contained in the wage determination of the Secretary of Labor (hereinafter "the wage determination") which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor or its subcontractors and such laborers and mechanics. The wage determination (including any additional classifications and wage rates conformed under paragraph 2 of this Section IV and the DOL poster (WH-1321) or Form FHWA-1495) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers. For the purpose of this Section, contributions made or costs reasonably anticipated for bona fide fringe benefits under Section 1(b)(2) of the Davis-Bacon Act (40 U.S.C. 276a) on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of Section IV, paragraph 3b, hereof. Also, for the purpose of this Section, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs, which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in paragraphs 4 and 5 of this Section IV.

b. Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein, provided, that the employer's payroll records accurately set forth the time spent in each classification in which work is performed.

c. All rulings and interpretations of the Davis-Bacon Act and related acts contained in 29 CFR 1, 3, and 5 are herein incorporated by reference in this contract.

2. Classification:

a. The SHA contracting officer shall require that any class of laborers or mechanics employed under the contract, which is not listed in the wage determination, shall be classified in conformance with the wage determination.

b. The contracting officer shall approve an additional classification, wage rate and fringe benefits only when the following criteria have been met:

(1) the work to be performed by the additional classification requested is not performed by a classification in the wage determination;

(2) the additional classification is utilized in the area by the construction industry;

(3) the proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(4) with respect to helpers, when such a classification prevails in the area in which the work is performed.

c. If the contractor or subcontractors, as appropriate, the laborers and mechanics (if known) to be employed in the additional

classification or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the DOL, Administrator of the Wage and Hour Division, Employment Standards Administration, Washington, D.C. 20210. The Wage and Hour Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

d. In the event the contractor or subcontractors, as appropriate, the laborers or mechanics to be employed in the additional classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Wage and Hour Administrator for determination. Said Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

e. The wage rate (including fringe benefits where appropriate) determined pursuant to paragraph 2c or 2d of this Section IV shall be paid to all workers performing work in the additional classification from the first day on which work is performed in the classification.

3. Payment of Fringe Benefits:

a. Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor or subcontractors, as appropriate, shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly case equivalent thereof.

b. If the contractor or subcontractor, as appropriate, does not make payments to a trustee or other third person, he/she may consider as a part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, provided, that the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

4. Apprentices and Trainees (Programs of the U.S. DOL) and Helpers:

a. Apprentices:

(1) Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the DOL, Employment and Training Administration, Bureau of Apprenticeship and Training, or with a State apprenticeship agency recognized by the Bureau, or if a person is employed in his/her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Bureau of Apprenticeship and Training or a State

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apprenticeship agency (where appropriate) to be eligible for probationary employment as an apprentice.

(2) The allowable ratio of apprentices to journeyman-level employees on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any employee listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate listed in the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor or subcontractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman-level hourly rate) specified in the contractor's or subcontractor's registered program shall be observed.

(3) Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeyman-level hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator for the Wage and Hour Division determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination.

(4) In the event the Bureau of Apprenticeship and Training, or a State apprenticeship agency recognized by the Bureau, withdraws approval of an apprenticeship program, the contractor or subcontractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the comparable work performed by regular employees until an acceptable program is approved.

b. Trainees:

(1) Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the DOL, Employment and Training Administration.

(2) The ratio of trainees to journeyman-level employees on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed.

(3) Every trainee must be paid at not less than the rate specified in the approved program for his/her level of progress, expressed as a percentage of the journeyman-level hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee

program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman-level wage rate on the wage determination which provides for less than full fringe benefits for apprentices, in which case such trainees shall receive the same fringe benefits as apprentices.

(4) In the event the Employment and Training Administration withdraws approval of a training program, the contractor or subcontractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

c. Helpers:

Helpers will be permitted to work on a project if the helper classification is specified and defined on the applicable wage determination or is approved pursuant to the conformance procedure set forth in Section IV.2. Any worker listed on a payroll at a helper wage rate, who is not a helper under a approved definition, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed.

5. Apprentices and Trainees (Programs of the U.S. DOT):

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeymen shall not be greater than permitted by the terms of the particular program.

6. Withholding:

The SHA shall upon its own action or upon written request of an authorized representative of the DOL withhold, or cause to be withheld, from the contractor or subcontractor under this contract or any other Federal contract with the same prime contractor, or any other Federally-assisted contract subject to Davis-Bacon prevailing wage requirements which is held by the same prime contractor, as much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper employed or working on the site of the work, all or part of the wages required by the contract, the SHA contracting officer may, after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

7. Overtime Requirements:

No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers, mechanics, watchmen, or guards (including apprentices, trainees, and helpers described in paragraphs 4 and 5 above) shall require or permit any laborer, mechanic, watchman, or guard in any workweek in which he/she is employed on such work, to work in excess of 40 hours in such workweek unless such laborer, mechanic, watchman, or guard receives compensation at a rate not less than

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one-and-one-half times his/her basic rate of pay for all hours worked in excess of 40 hours in such workweek.

8. Violation:

Liability for Unpaid Wages; Liquidated Damages: In the event of any violation of the clause set forth in paragraph 7 above, the contractor and any subcontractor responsible thereof shall be liable to the affected employee for his/her unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory) for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer, mechanic, watchman, or guard employed in violation of the clause set forth in paragraph 7, in the sum of \$10 for each calendar day on which such employee was required or permitted to work in excess of the standard work week of 40 hours without payment of the overtime wages required by the clause set forth in paragraph 7.

9. Withholding for Unpaid Wages and Liquidated Damages:

The SHA shall upon its own action or upon written request of any authorized representative of the DOL withhold, or cause to be withheld, from any monies payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other Federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph 8 above.

V. STATEMENTS AND PAYROLLS

(Applicable to all Federal-aid construction contracts exceeding \$2,000 and to all related subcontracts, except for projects located on roadways classified as local roads or rural collectors, which are exempt.)

1. Compliance with Copeland Regulations (29 CFR 3):

The contractor shall comply with the Copeland Regulations of the Secretary of Labor which are herein incorporated by reference.

2. Payrolls and Payroll Records:

a. Payrolls and basic records relating thereto shall be maintained by the contractor and each subcontractor during the course of the work and preserved for a period of 3 years from the date of completion of the contract for all laborers, mechanics, apprentices, trainees, watchmen, helpers, and guards working at the site of the work.

b. The payroll records shall contain the name, social security number, and address of each such employee; his or her correct classification; hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalent thereof the types described in Section 1(b)(2)(B) of the Davis Bacon Act); daily and weekly number of hours worked; deductions made; and actual wages paid. In addition, for Appalachian contracts, the payroll records shall contain a notation indicating whether the employee does, or does not, normally reside in the labor area as defined in Attachment A, paragraph 1. Whenever the Secretary of Labor, pursuant to Section IV, paragraph

3b, has found that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in Section 1(b)(2)(B) of the Davis Bacon Act, the contractor and each subcontractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, that the plan or program has been communicated in writing to the laborers or mechanics affected, and show the cost anticipated or the actual cost incurred in providing benefits. Contractors or subcontractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprentices and trainees, and ratios and wage rates prescribed in the applicable programs.

c. Each contractor and subcontractor shall furnish, each week in which any contract work is performed, to the SHA resident engineer a payroll of wages paid each of its employees (including apprentices, trainees, and helpers described in Section IV, paragraphs 4 and 5, and watchmen and guards engaged on work during the preceding weekly payroll period). The payroll submitted shall set out accurately and completely all of the information required to be maintained under paragraph 2b of this Section V. This information may be submitted in any form desired. Optional Form WH-347 is available for this purpose and may be purchased from the Superintendent of Documents (Federal stock number 029-005-0014-1), U.S. Government Printing Office, Washington, D.C. 20402. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors.

d. Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his/her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(1) that the payroll for the payroll period contains the information required to be maintained under paragraph 2b of this Section V and that such information is correct and complete;

(2) that such laborer or mechanic (including each apprentice, trainee, and helper) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in the Regulations, 29 CFR 3;

(3) that each laborer or mechanic has been paid not less than the applicable wage rate and fringe benefits or cash equivalent for the classification of worked performed, as specified in the applicable wage determination incorporated into the contract.

e. The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 2d of this Section V.

f. The falsification of any of the above certifications may subject the contractor to civil or criminal prosecution under 18 U.S.C. 1001 and 31 U.S.C. 231.

g. The contractor or subcontractor shall make the records required under paragraph 2b of this Section V available for inspection, copying, or transcription by authorized representatives of the SHA, the FHWA, or the DOL, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the SHA, the FHWA, the DOL, or all

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may, after written notice to the contractor, sponsor, applicant, or owner, take such actions as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

VI. RECORD OF MATERIALS, SUPPLIES, AND LABOR

1. On all Federal-aid contracts on the National Highway System, except those which provide solely for the installation of protective devices at railroad grade crossings, those which are constructed on a force account or direct labor basis, highway beautification contracts, and contracts for which the total final construction cost for roadway and bridge is less than \$1,000,000 (23 CFR 635) the contractor shall:

a. Become familiar with the list of specific materials and supplies contained in Form FHWA-47, "Statement of Materials and Labor Used by Contractor of Highway Construction Involving Federal Funds," prior to the commencement of work under this contract.

b. Maintain a record of the total cost of all materials and supplies purchased for and incorporated in the work, and also of the quantities of those specific materials and supplies listed on Form FHWA-47, and in the units shown on Form FHWA-47.

c. Furnish, upon the completion of the contract, to the SHA resident engineer on Form FHWA-47 together with the data required in paragraph 1b relative to materials and supplies, a final labor summary of all contract work indicating the total hours worked and the total amount earned.

2. At the prime contractor's option, either a single report covering all contract work or separate reports for the contractor and for each subcontract shall be submitted.

VII. SUBLETTING OR ASSIGNING THE CONTRACT

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the State. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635).

a. "Its own organization" shall be construed to include only workers employed and paid directly by the prime contractor and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor, assignee, or agent of the prime contractor.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid on the contract as a whole and in general are to be limited to minor components of the overall contract.

2. The contract amount upon which the requirements set forth in paragraph 1 of Section VII is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. The contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the SHA contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the SHA contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the SHA has assured that each subcontract is evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract.

VIII. SAFETY: ACCIDENT PREVENTION

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the SHA contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 333).

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 333).

IX. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and

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similar acts, the following notice shall be posted on each Federal-aid highway project (23 CFR 635) in one or more places where it is readily available to all persons concerned with the project:

Notice to all Personnel engaged on Federal-Aid Highway Projects

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 1, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined not more than \$10,000 or imprisoned not more than 5 years or both."

X. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT

(Applicable to all Federal-aid construction contracts and to all related subcontracts of \$100,000 or more.)

By submission of this bid or the execution of this contract, or subcontract, as appropriate, the bidder, Federal-aid construction contractor, or subcontractor, as appropriate, will be deemed to have stipulated as follows:

1. That any facility that is or will be utilized in the performance of this contract, unless such contract is exempt under the Clean Air Act, as amended (42 U.S.C. 1857 *et seq.*, as amended by Pub.L. 92-604), and under the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 *et seq.*, as amended by Pub.L. 92-500), Executive Order 11738, and regulations in implementation thereof (40 CFR 15) is not listed, on the date of contract award, on the U.S. Environmental Protection Agency (EPA) List of Violating Facilities pursuant to 40 CFR 15.20.

2. That the firm agrees to comply and remain in compliance with all the requirements of Section 114 of the Clean Air Act and Section 308 of the Federal Water Pollution Control Act and all regulations and guidelines listed thereunder.

3. That the firm shall promptly notify the SHA of the receipt of any communication from the Director, Office of Federal Activities, EPA, indicating that a facility that is or will be utilized for the contract is under consideration to be listed on the EPA List of Violating Facilities.

4. That the firm agrees to include or cause to be included the requirements of paragraph 1 through 4 of this Section X in every nonexempt subcontract, and further agrees to take such action as the government may direct as a means of enforcing such requirements.

XI. CERTIFICATION REGARDING DEBARMENT, INELIGIBILITY AND SUSPENSION, VOLUNTARY EXCLUSION

1. Instructions for Certification - Primary Covered Transactions: (Applicable to all Federal-aid contracts - 49 CFR 29)

a. By signing and submitting this proposal, the prospective primary participant is providing the certification set out below.

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this covered transaction. The prospective participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective primary participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the department or agency determined to enter into this transaction. If it is later determined that the prospective primary participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause of default.

d. The prospective primary participant shall provide immediate written notice to the department or agency to whom this proposal is submitted if any time the prospective primary participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549. You may contact the department or agency to which this proposal is submitted for assistance in obtaining a copy of those regulations.

f. The prospective primary participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.

g. The prospective primary participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," provided by the department or agency entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered

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transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the nonprocurement portion of the "Lists of Parties Excluded From Federal Procurement or Nonprocurement Programs" (Nonprocurement List) which is compiled by the General Services Administration.

i. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph f of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Primary Covered Transactions

1. The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:

a. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;

b. Have not within a 3-year period preceding this proposal been convicted of or had a civil judgement rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

c. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph 1b of this certification; and

d. Have not within a 3-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

2. Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

2. Instructions for Certification - Lower Tier Covered Transactions: (Applicable to all subcontracts, purchase orders and other lower tier transactions of \$25,000 or more - 49 CFR 29)

a. By signing and submitting this proposal, the prospective lower tier is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "primary covered transaction," "participant," "person," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations.

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the Nonprocurement List.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

FOR INFORMATION ONLY

**Certification Regarding Debarment, Suspension,
Ineligibility and Voluntary Exclusion--Lower Tier
Covered Transactions:**

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

* * * * *

**XII. CERTIFICATION REGARDING USE OF
CONTRACT FUNDS FOR LOBBYING**

(Applicable to all Federal-aid construction contracts and to all related subcontracts which exceed \$100,000 - 49 CFR 20)

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any

Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

3. The prospective participant also agrees by submitting his or her bid or proposal that he or she shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such recipients shall certify and disclose accordingly.

FOR INFORMATION ONLY

**LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT**

**REQUIRED CONTRACT PROVISIONS FOR
DBE PARTICIPATION IN FEDERAL AID CONSTRUCTION
CONTRACTS
(DBE NO GOAL PROJECT)**

A. AUTHORITY AND DIRECTIVE: The Code of Federal Regulations, Title 49, Part 26 (49 CFR 26) as amended and the Louisiana Department of Transportation and Development's (DOTD) Disadvantaged Business Enterprise (DBE) Program, are hereby made a part of and incorporated by reference into this contract. Copies of these documents are available upon request, from DOTD, Compliance Programs Office, P. O. Box 94245, Baton Rouge, LA 70804-9245.

B. POLICY: It is the policy of the DOTD that it shall not discriminate on the basis of race, color, national origin, or sex in the award of any United States Department of Transportation (US DOT) financially assisted contracts or in the administration of its DBE program or the requirements of 49 CFR Part 26. The DOTD shall take all necessary and reasonable steps under 49 CFR Part 26 to ensure nondiscrimination in the award and administration of US DOT assisted contracts. The DBE program, as required by 49 CFR Part 26 and as approved by US DOT, is incorporated by reference in this agreement. Implementation of this program is a legal obligation and failure to carry out its terms shall be treated as a violation of this agreement. Upon notification of failure to carry out the approved DBE program, the US DOT may impose sanctions as provided for under 49 CFR Part 26 and may in appropriate cases, refer the matter for enforcement under 18 U.S.C. 1001 and/or the Program Fraud Civil Remedies Act of 1986 (31 U.S.C. 3801 et seq).

C. DBE OBLIGATION: The contractor, subrecipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of US DOT assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the DOTD deems appropriate.

The preceding policy and DBE obligation shall apply to this contract and shall be included in the requirements of any subcontract. Failure to carry out the requirements set forth therein shall constitute a breach of contract and, after notification by DOTD, may result in termination of the contract, a deduction from the contract funds due or to become due the contractor or other such remedy as DOTD deems appropriate. The contractor is encouraged to use the services offered by banks in the community which are owned and controlled by minorities or women when feasible and beneficial.

The term DBE is inclusive of women business enterprises (WBE) and all obligations applicable to DBE shall apply to firms certified and listed as WBE.

D. SPECIFIC CONTRACTOR REQUIREMENTS: This project has not been selected for a specific DBE goal; however, the contractor is required to meet the following obligations and by signing this bid gives the assurances that:

(1) The contractor shall not discriminate on the basis of race, color, national origin, or sex in subcontracting work on this project.

(2) The contractor shall promptly pay subcontractors and suppliers, including DBE, their respective subcontract amounts within 14 calendar days after the contractor receives payment from DOTD for the items of work performed by the subcontractors in accordance with Louisiana Revised Statute 9:2784.

a. Contractors shall pay subcontractors for work satisfactorily performed by the subcontractor within 14 calendar days after receipt of payment from the DOTD for subcontracted work. Retainage may be withheld by the contractor pending completion of a subcontractor's work in accordance with the terms of the subcontract. Retainage must be released by the contractor within 30 calendar days after satisfactory completion of the subcontractor's work for which payment for the completed work has been received from the DOTD.

b. Acceptance of the subcontracted work by the Project Engineer shall constitute satisfactory completion of subcontracted work. Delay or postponement of payment to the subcontractor may be imposed by the contractor when there is evidence that the subcontractor has failed to pay its labor force and suppliers for materials received and used on the project. Delay or postponement must have written approval by the Project Engineer.

(3) The contractor shall submit DOTD Forms OMF-1A, Request to Sublet, and OMF-2A, Subcontractor's EEO Certification and have them approved by the DOTD prior to any subcontracting work being performed. The requirements of Subsection 108.01, Subletting of Contract, of the Project Specifications shall be met.

(4) The contractor understands that these provisions are applicable to all bidders including DBE bidders.

General Decision Number: LA070040 10/12/2007 LA40

Superseded General Decision Number: LA20030040

State: Louisiana

Construction Type: Highway

Counties: Jefferson, Orleans, Plaquemines, St Bernard, St Charles, St James, St John the Baptist and St Tammany Counties in Louisiana.

HIGHWAY CONSTRUCTION PROJECTS (Does not include building structures in rest area projects)

Modification Number	Publication Date
0	02/09/2007
1	07/06/2007
2	10/12/2007

* CARP1098-005 02/01/2006

ST. JAMES PARISH (North of the Mississippi River) PARISH:

	Rates	Fringes
PILEDRIVERMAN.....	\$ 19.92	5.65

* CARP1846-002 02/01/2006

JEFFERSON, ORLEANS, PLAQUEMINES, ST. BERNARD, ST. CHARLES, ST. JAMES (South of the Mississippi River), ST. JOHN THE BAPTIST, AND ST. TAMMANY PARISHES:

	Rates	Fringes
PILEDRIVERMAN.....	\$ 19.92	5.00

* ELEC0130-010 12/01/2006

JEFFERSON, ORLEANS, PLAQUEMINES, ST. BERNARD, ST. CHARLES, ST. JAMES, AND ST. JOHN THE BAPTIST PARISHES

	Rates	Fringes
ELECTRICIAN (including traffic signal wiring and installation).....	\$ 22.09	7.90

* ELEC1077-007 03/01/2006

ST. TAMMANY PARISH:

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	Rates	Fringes
ELECTRICIAN (including traffic signal wiring and installation).....	\$ 18.50	5.27

 * ENGI0406-015 07/01/2006

	Rates	Fringes
POWER EQUIPMENT OPERATOR: Asphalt/Aggregate Spreader..	\$ 18.01	4.95

 * IRON0058-004 06/01/2006

	Rates	Fringes
IRONWORKER, STRUCTURAL.....	\$ 18.70	6.18

 * SULA2004-014 07/30/2004

	Rates	Fringes
CARPENTER (including formbuilding/formsetting).....	\$ 13.42	3.04
Cement Mason/Concrete Finisher...	\$ 13.24	1.68
IRONWORKER, REINFORCING.....	\$ 15.84	3.47
Laborers		
Asphalt Raker.....	\$ 10.13	0.18
General.....	\$ 9.26	1.14
Guardrail.....	\$ 8.81	1.80
Mason Tender.....	\$ 8.51	1.20
Pipelayer.....	\$ 9.99	1.20
Striping/Pavement Marker includes paint striping and attachment of reflector buttons.....	\$ 8.24	1.20
Traffic Control including flagger, sign placement, barricades, and cones.....	\$ 8.39	1.80
Painter, Brush, Spray and Roller.....	\$ 14.16	2.03
Power Equipment Operators		
Asphalt Paving Machine.....	\$ 14.38	0.18
Asphalt Screed.....	\$ 13.76	2.20
Backhoe/Excavator.....	\$ 13.93	3.00
Broom/Sweeper.....	\$ 12.78	2.92
Bulldozer.....	\$ 13.58	0.00
Crane.....	\$ 17.20	3.30
Front End Loader.....	\$ 13.31	0.00
Mechanic.....	\$ 13.53	2.92
Milling/Cold Planing		

Machine includes Rotomill and CMI Cutter.....	\$ 15.50	0.00
Motor Grader/Blade.....	\$ 14.42	3.02
Oiler.....	\$ 13.91	2.37
Post Driver.....	\$ 13.73	0.00
Roller.....	\$ 13.11	3.30
Trackhoe.....	\$ 11.00	0.00
Trenching/Boring Machine....	\$ 12.51	0.00

Truck drivers

Dump (all types).....	\$ 10.64	0.18
Flatbed.....	\$ 10.87	0.00
Lowboy.....	\$ 13.24	0.00
Pickup.....	\$ 10.60	0.00
Water.....	\$ 12.00	0.00

WELDERS - Receive rate prescribed for craft performing
operation to which welding is incidental.

Unlisted classifications needed for work not included within
the scope of the classifications listed may be added after
award only as provided in the labor standards contract clauses
(29CFR 5.5 (a) (1) (ii)).

In the listing above, the "SU" designation means that rates
listed under the identifier do not reflect collectively
bargained wage and fringe benefit rates. Other designations
indicate unions whose rates have been determined to be
prevailing.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can
be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on
a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests
for summaries of surveys, should be with the Wage and Hour
Regional Office for the area in which the survey was conducted
because those Regional Offices have responsibility for the
Davis-Bacon survey program. If the response from this initial
contact is not satisfactory, then the process described in 2.)
and 3.) should be followed.

With regard to any other matter not yet ripe for the formal
process described here, initial contact should be with the

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Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

FOR INFORMATION ONLY

DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT STATE OF LOUISIANA PLANS OF PROPOSED STATE HIGHWAY

INDEX TO SHEETS
SHEET NO. DESCRIPTION
1 TITLE SHEET
2 ESTIMATED QUANTITIES
3,4,5,6,7, WORK LOCATIONS
8 THRU 30 STANDARD PLANS
31 THRU 47 TCC DRAWINGS

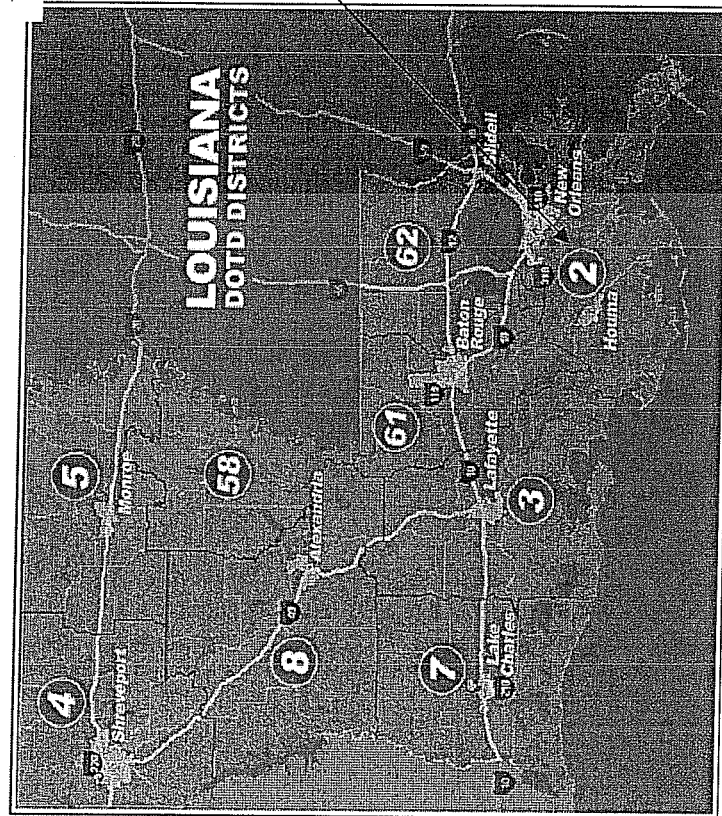
STATE PROJECT NO. 704-92-0017
F.A.P. NO. ER-ERP1(060)
INTERSTATE SIGN REPLACEMENT

JEFFERSON AND ORLEANS PARISHES
ROUTES I-10, I- 610 AND US 90

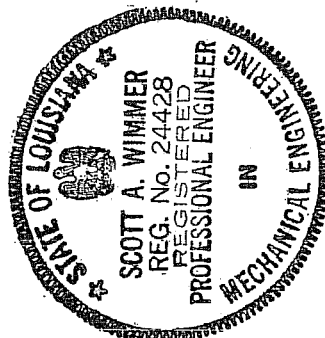
TRAFFIC DATA

I-10 140,642
I-610 73,811
US 90 106,212

WORK LOCATIONS IN THIS DISTRICT



FOR INFORMATION ONLY



APPROVED

Scott A. Wimmer

SIGN AND MARKING ENGINEER

DATE 3/12/2007

APPROVED

W. Temple

DOTD CHIEF ENGINEER

DATE 4-5-07

DATE	REVISIONS	DATE	RECOMMENDED	DATE	APPROVED
6-4-07	Sheets 1, 2 and 6	6/5/07	<i>Scott Wimmer</i>	6/5/07	<i>W</i>

THE 2006 LOUISIANA DOTD STANDARD SPECIFICATIONS
FOR ROADS AND BRIDGES, AS AMENDED BY THE PROJECT
SPECIFICATIONS, SHALL GOVERN ON THIS PROJECT.

SHEET NUMBER		TITLE SHEET		DIST 02 SIGN STRUCTURAL REPLACEMENT		STATE OF LOUISIANA		DOTD		TRAFFIC OPERATIONS	
1	704-92-0017	JEFFERSON AND ORLEANS	ER-ERP1(060)	704-92-0017	STATE PROJECT	DATE SHEET	BY	REVISION DESCRIPTION	DATE	MO	DATE
		DESIGNED	PROJECT								
		CHECKED	PROJECT								
		DETAILED	PROJECT								
		DATE SHEET	PROJECT								

DATED 06/04/07 13:32:01

F. A. P. NO.		STATE PROJECT		PARISH		SHEET NO.
ER-ERPl (060)		704-92-0017		DISTRICT 02		
SUMMARY OF ESTIMATED QUANTITIES						
ITEM NO.	ITEM	UNIT	QUANTITY	S. P. NO.	TOTAL QUANTITY	
202-02-J	REMOVAL OF EXISTING SIGNS			704-92-0017		
202-02-K	REMOVAL OF EXISTING SIGN SUPPORTS (LEGS ONLY)	SOFT		359.0		
		EACH		3		
713-01	TEMPORARY SIGNS & BARRICADES					
		LUMP		LUMP		
727-01	MOBILIZATION					
		LUMP		LUMP		
729-05-A	SIGN (TYPE E) (SIGN PROVIDED BY DOTD)					
729-06-A	SIGN (OVERHEAD MOUNTED) (SIGN PROVIDED BY DOTD)	SOFT		14.0		
729-12-A	MOUNTING (OVERHEAD CANTILEVER) (STRUCTURE MOUNTED) (EXISTING STRUCTURAL FOOTING) (SIGN PROVIDED BY DOTD)	SOFT		939.0		
		EACH		3		

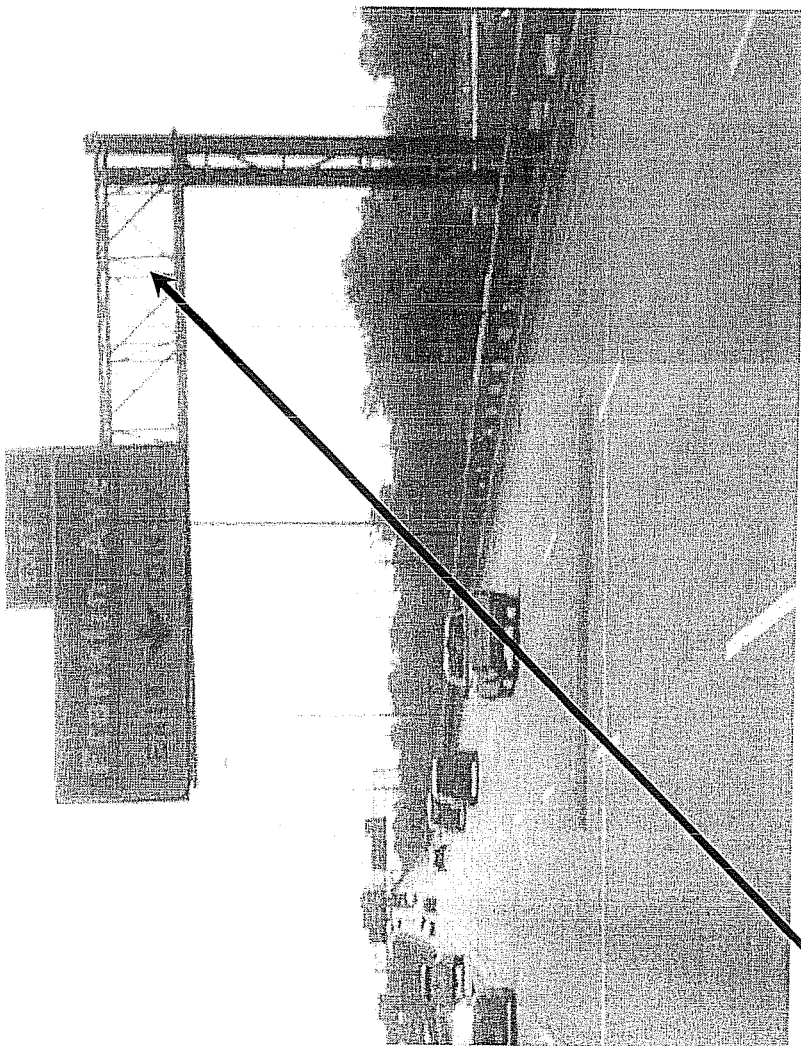
06/04/07 DELETED SIGN & ADJ. QTY.

FOR INFORMATION ONLY

FOR INFORMATION ONLY



NOTES:



- 1: INSTALL NEW CANTILEVER BOX AND POLE ALONG WITH HARDWARE AND SIGN MOUNTING SUPPORTS.
- 2: INSTALL NEW SIGN SUPPLIED BY DOTD.
- 3: STRUCTURAL FOOTING IS OK.
- 4: REMOVE EXISTING POLES.
- 5: WORK HOURS SHALL BE FROM 8:30AM TO 3:30 PM MONDAY THRU FRIDAY; WEEKEND WORK AND NIGHT WORK SHALL HAVE PRIOR APPROVAL FROM DIST 02.

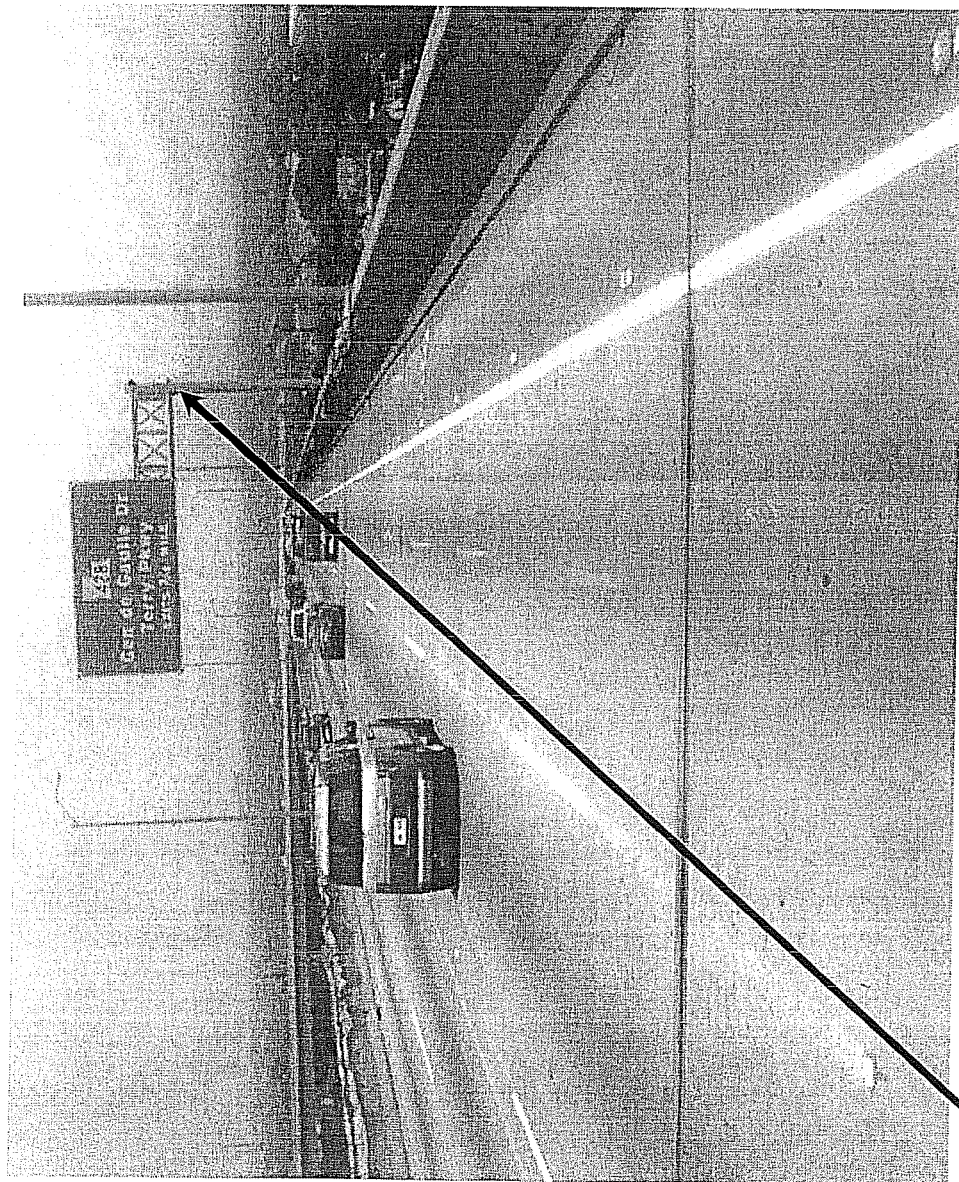


SIGN LOCATION

I-610 EASTBOUND @ FRANKLIN AVE EXIT 4

STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND INFRASTRUCTURE TRAFFIC OPERATIONS				DIST 02 SIGN STRUCTURAL REPLACEMENT		TITLE SHEET				<table><tr><td>NO.</td><td>DATE</td><td>REVISION DESCRIPTION</td><td>BY</td><td>DATE SHEET</td><td>DESIGNED</td><td>CHECKED</td><td>STATE PROJECT</td><td>704-92-0017</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>FEDERAL PROJECT</td><td>ER-ERP1 (060)</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>PARISH</td><td>JEFFERSON ORLEANS</td></tr></table>		NO.	DATE	REVISION DESCRIPTION	BY	DATE SHEET	DESIGNED	CHECKED	STATE PROJECT	704-92-0017								FEDERAL PROJECT	ER-ERP1 (060)								PARISH	JEFFERSON ORLEANS
NO.	DATE	REVISION DESCRIPTION	BY	DATE SHEET	DESIGNED	CHECKED	STATE PROJECT	704-92-0017																														
							FEDERAL PROJECT	ER-ERP1 (060)																														
							PARISH	JEFFERSON ORLEANS																														

		TITLE SHEET DIST 02 SIGN STRUCTURAL REPLACEMENT				NO. 	DATE 	REVISION DESCRIPTION 	BY 	DATE 	STATE PROJECT 704-92-0017	FEDERAL PROJECT ER-ERP1(060)	PARISH JEFFERSON ORLEANS	SHEET NUMBER 4
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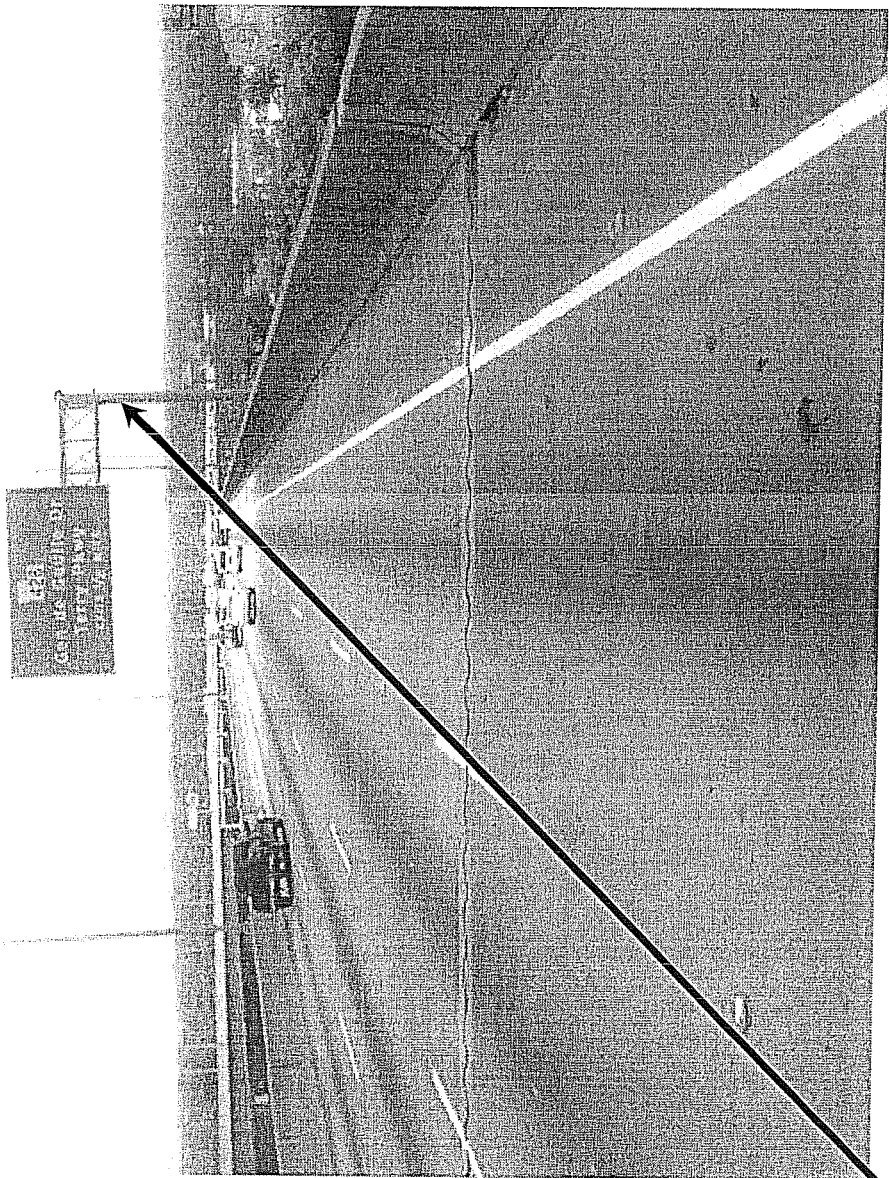


SIGN LOCATION

US 90 BUS WESTBOUND 3/4 MILE BEFORE GEN DE GAULLE DR.

NOTES:

- 1: INSTALL NEW CANTILEVER BOX AND POLE ALONG WITH HARDWARE AND SIGN MOUNTING SUPPORTS.
- 2: INSTALL NEW SIGN SUPPLIED BY DOTD.
- 3: STRUCTURAL FOOTING IS OK.
- 4: REMOVE EXISTING POLES.
- 5: WORK HOURS CAN START AT ANY TIME; LANE HAS TO BE OPEN BY 3:00 PM.



SIGN LOCATION

US 90 BUS WESTBOUND 1/2 MILE BEFORE GEN DE GAULLE DR.


NOTES:

- 1: INSTALL NEW CANTILEVER BOX AND POLE ALONG WITH HARDWARE AND SIGN MOUNTING SUPPORTS.
- 2: INSTALL NEW SIGN SUPPLIED BY DOTD.
- 3: STRUCTURAL FOOTINGS OK.
- 4: REMOVE EXISTING POLES.
- 5: WORK HOURS CAN START AT ANY TIME; LANE HAS TO BE OPEN BY 3:00 PM.

FOR INFORMATION ONLY


SHEET NUMBER	5	JEFFERSON ORLEANS	ER-ERP1(060)	704-92-0017	STATE PROJECT	FEDERAL PROJECT	PARISH	DESIGNED CHECKED	DATE SHEET	BY	REVISION / DESCRIPTION	NO	DATE	STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION DOTD	DIST 02 SIGN STRUCTURAL REPLACEMENT	TITLE SHEET	DEPARTMENT OF TRANSPORTATION DOTD	TRAFFIC OPERATIONS

SHEET NUMBER	6	JEFFERSON ORLEANS		PARISH	STATE PROJECT	704-92-0017
		ER-ERP1(060)		FEDERAL PROJECT		
DATE SHEET		DESIGNED CHECKED		DETAILED CHECKED		BY P.A.A.
NO.						REVISION DESCRIPTION
1						6-4-07 REMOVED SIGN
DATE						

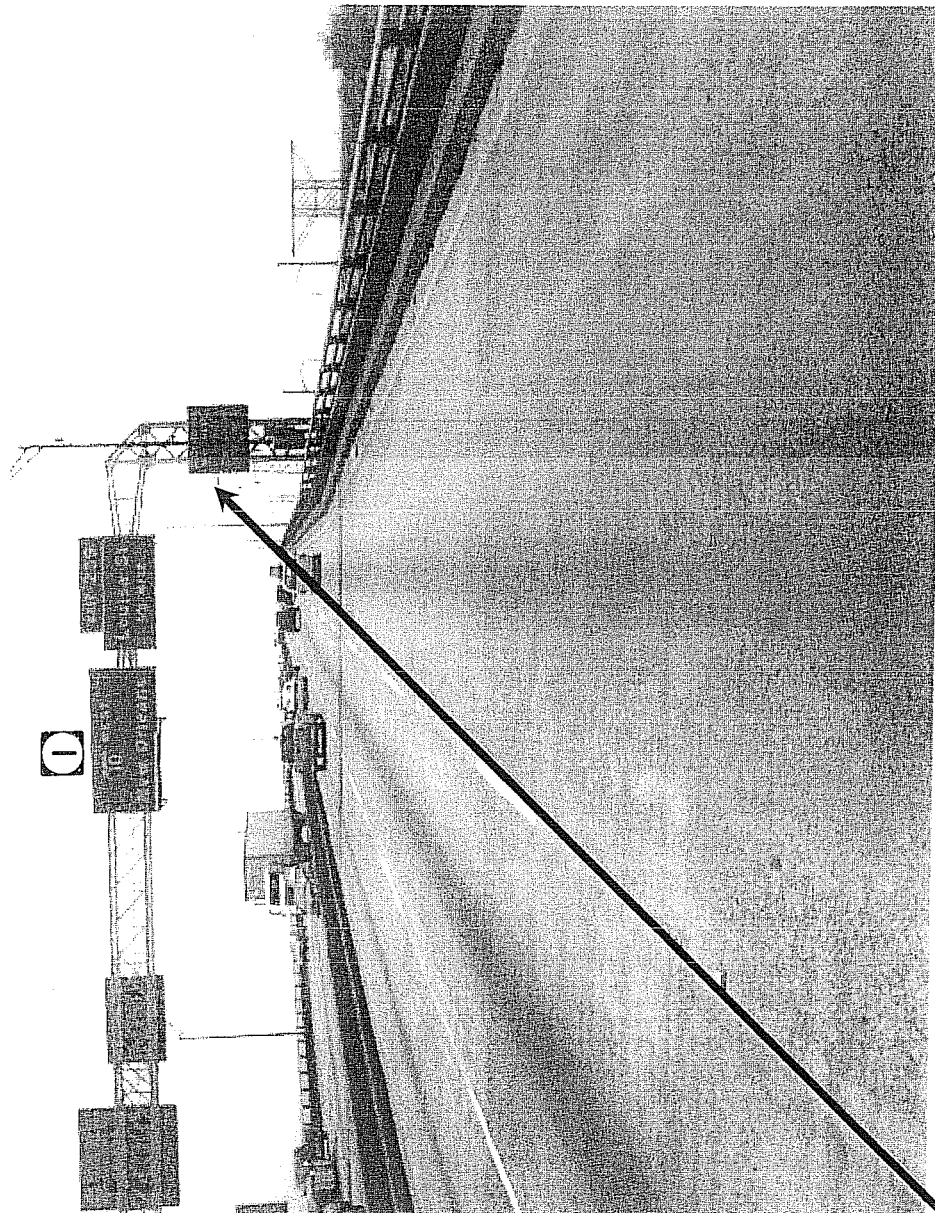


TITLE SHEET

DIST 02 SIGN STRUCTURAL
REPLACEMENT



TRAFFIC OPERATIONS



SIGN LOCATION

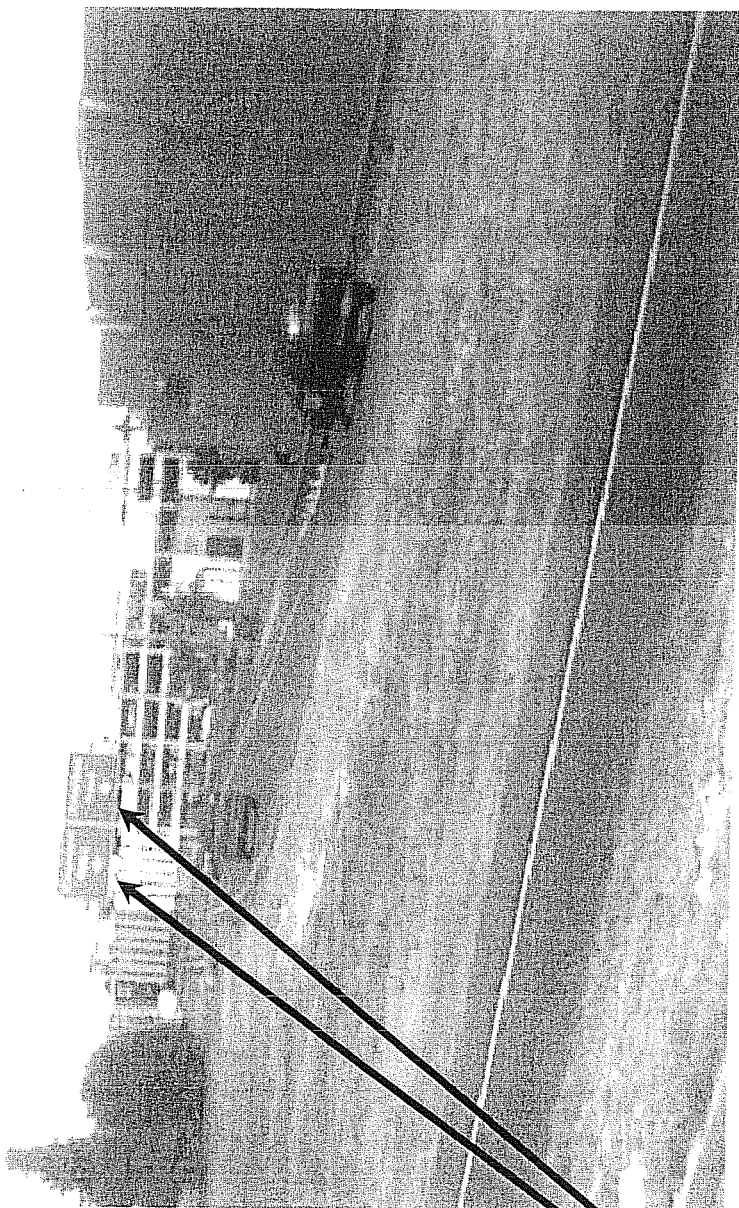
I-10 WESTBOUND ON THE INTERCOASTAL BRIDGE

FOR INFORMATION ONLY

NOTES:

- 1: REMOVE SIGN.
- 2: INSTALL NEW MOUNTING SUPPORTS AS PER SHEETS 12 & 13 OF THE STANDARDS.
- 3: INSTALL NEW SIGNS SUPPLIED BY D.O.T.D.
- 4: NIGHT WORK ONLY FROM 8:00 PM TO 5:00 AM.

FOR INFORMATION ONLY





SIGN LOCATION

I-10 WESTBOUND FRONTAGE ROAD @ CLEARVIEW PARKWAY

NOTES:

- 1: REMOVE EXISTING SIGNS
- 2: INSTALL NEW SIGNS SUPPLIED BY D.O.T.D.
- 3: WORK HOURS SHALL BE FROM 9:00AM TO 3:00 PM MONDAY THRU FRIDAY; WEEKEND WORK AND NIGHT WORK SHALL HAVE PRIOR APPROVAL FROM DIST 02.

		TITLE SHEET DIST 02 SIGN STRUCTURAL REPLACEMENT				NO 	DATE 	REVISION DESCRIPTION 	BY 	DATE SHEET 	DESIGNED 	CHECKED 	FEDERAL PROJECT ER-ERP1(060)	STATE PROJECT 704-92-0017	PARISH JEFFERSON ORLEANS	NUMBER 7
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GENERAL NOTES

CONSTRUCTION SPECIFICATIONS: CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT, STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, LATEST EDITION EXCEPT AS SUPPLEMENTED OR AMENDED BY THE PLANS, SUPPLEMENTAL SPECIFICATIONS AND/OR SPECIAL PROVISIONS.

DESIGN SPECIFICATIONS: AGSIST STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 1994 AND INTERIM SPECIFICATIONS.

STEEL: STEEL SHALL CONFORM TO A.S.T.M. A-709, GRADE 58, SILL TUBING SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF A.S.T.M. DESIGNATION A-36 OR HOT-FORMED TUBING (A-501) OR PIPE (A-53) TYPE "E" OR "S", GRADE "B" OR COLD-FORMED TUBING (A-500) GRADE "B" OR "C", UNLESS OTHERWISE NOTED.

ALUMINUM: ALL ALUMINUM EXCEPT SIGN PANELS SHALL CONFORM TO ASTM B-221, R-304 OR B-429 ALLOY 6061-T6 UNLESS OTHERWISE NOTED. SIGN PANELS SHALL BE 6061 THICK ALUMINUM CONFORMING TO ASTM B 209 ALLOY 5052 H32 OR 6061-T6.

CONCRETE AND REINFORCING STEEL: CONCRETE USED IN FOOTINGS FOR OVERHEAD SIGN TRUSS AND CANTILEVER POSTS SHALL BE CLASS "A" CONCRETE. ALL OTHER CONCRETE MAY BE CLASS "B". DIMENSIONS RELATING TO REINFORCING STEEL FABRICATION ARE OUT TO OUT OF BAR UNLESS OTHERWISE NOTED. DIMENSIONS RELATING TO REINFORCING STEEL SPACING ARE CENTER TO CENTER OF BAR OR RAIL OR CONCRETE 1" CENTERLINE OF BAR. REINFORCING STEEL SHALL HAVE A MINIMUM COVERING OF 2" EXCEPT WHEN CONCRETE IS CAST AGAINST THE EARTH. THE THICK COVERING WILL BE 3". ALL REINFORCING STEEL SHALL BE GRADE 60. THE FIRST DIGIT OF REINFORCING BAR NUMBER INDICATES THE BAR SIZE, THE TOP EDGES OF THE BAR SHALL BE CHAMFERED 1/4".

CONCRETE FINISH: ALL PORTIONS OF THE FOOTINGS FOR CANTILEVERS AND TRUSSES IN THE GROUNDLINE SHALL HAVE A FINISH IN ACCORDANCE WITH LOUISIANA SPECIFICATION, 605.130.

WELDING: ALL WELDING SHALL CONFORM TO THE L.A. STANDARD SPECIFICATIONS, SECTION 23 AND SUPPLEMENTAL SPECIFICATIONS.

SHOP DRAWINGS: NOT REQUIRED FOR SIGN BACKING AND SMALL GROUND MOUNTED SUPPORTS; UNLESS FABRICATOR INTENDS TO DEVIATE FROM THE DETAILS HEREIN. SHOP DRAWINGS ARE REQUIRED FOR ALL OVERHEAD TRUSSES, OVERHEAD CANTILEVER, FASCIA AND SMALL STRUCTURE UNDER SIGNS.

GALVANIZING: ALL STRUCTURAL STEEL AND MISCELLANEOUS STEEL SHALL BE GALVANIZED IN ACCORDANCE WITH A.S.T.M. DESIGNATION A-123. DAMAGE TO GALVANIZED SURFACES THAT ARE NOT TO BE ENCASED IN CONCRETE SHALL BE REPAIRED IN ACCORDANCE WITH L.A. STANDARD SPECIFICATIONS SUBSECTION 11.11.12. ALL BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH A.S.T.M. DESIGNATION A-193. ALL FIELD HOLES IN GALVANIZED MATERIAL SHALL BE TREATED WITH A COLD GALVANIZING COMPOUND ON G.P.L. NO. 23.

BOLTS: IT IS NOTED, ALL THREADED CONNECTIONS SHALL INCORPORATE A LOCKING DEVICE AND HAVE A MINIMUM OF 3 THREADS BEYOND THE NUTS. ALL BOLTS SHALL BE HIGH STRENGTH BOLTS, A.S.T.M. A-325, UNLESS OTHERWISE NOTED. ANCHOR BOLTS SHALL CONFORM TO AASHTO M31.4, GRADE 55 (OR APPROVED EQUAL) AND BE HOT DIP GALVANIZED TO A.S.T.M. A-153. STAINLESS STEEL FOR BOLTS SHALL CONFORM TO A.S.T.M. DESIGNATION A-320 B7, CLASS 2 TYPE 304, OR A-193 B7, CLASS 2 TYPE 304, UNLESS OTHERWISE NOTED. STAINLESS STEEL NUTS SHALL CONFORM TO A.S.T.M. DESIGNATION A-194, GRADE B, TYPE 304. ALUMINUM BOLTS SHALL CONFORM TO A.S.T.M. F-409 ALLOY 6061 T4 AND NUTS ARE A.S.T.M. F-467 ALLOY 6061-T6 OR 6262-T6, WHERE BOLTS ARE USED ON BEVELED SURFACES, BEVELED WASHERS SHALL BE PROVIDED TO GIVE FULL BEARING TO THE HEAD AND/OR THE NUT.

RIVETS: ALL RIVETS SHALL BE 1/2" DIAMETER BLIND RIVETS WITH POSITIVE MAINTENANCE. THE RIVET BODY AND MANIFOLD SHALL BE ALUMINUM WITH A 1/2" MAXIMUM DIAMETER DONE HEAD. THE RIVETS SHALL HAVE A MINIMUM ULTIMATE TENSILE STRENGTH - 875 LBS., AND CONFORM TO ASTM B-316 5056-H32.

BREAK-AWAY BASE: BASES FOR SIGNS LOCATED ADJACENT TO MORE THAN ONE ROADWAY (RAMP TERMINALS, INTERSECTIONS, ETC) SHALL BE ORIENTED IN THE DIRECTION OF THE HIGHER SPEED TRAFFIC. ALL 1/4" T-POST SIGNS WITH A DISTANCE BETWEEN POSTS OF 7'-0" CENTERS OR LESS SHALL HAVE BEVELED BASE CONNECTION. BASE CONNECTIONS SHALL BE WARPED PRIOR TO TAPPING THE FOOTING, WITH MATERIAL SUFFICIENT TO PREVENT CONCRETE SPLITTER ON THE BREAK-AWAY BASE ASSEMBLY.

ANCHOR BOLTS: ANCHOR BOLT NUTS TO BE TIGHTENED A MINIMUM ROTATION OF 240° (1/2) TURNING FROM THE SNUG TIGHT CONDITION.

SIGN SHEETING: UNLESS OTHERWISE REQUIRED, ALL SIGN MATERIAL SHALL BE TYPE III REFLECTIVE SHEETING. TYPE VII RETROREFLECTIVE SHEETING WILL BE USED ON STOP SIGNS, YIELD SIGNS, 4-WAY, ALL WAY, DO NOT ENTER, CHURNING, NO PASSING ZONE PERMANENT, AND WRONG WAY SIGNS. IN ORDER TO OBTAIN AN ACCEPTABLE COLOR MATCH BETWEEN MULTIPLE PANELS ON A GUIDE SIGN, ALL OF THE BACKGROUND SHEETING FOR ANY GUIDE SIGN SHALL BE THE MINIMUM WIDTH OF THE LARGEST PANEL AND SHALL COME FROM THE SAME LOT OR RUN NUMBER FROM THE SHEETING MANUFACTURER UNLESS OTHERWISE APPROVED IN WRITING, REFLECTIVE SHEETING SHALL BE APPLIED TO PANELS IN SUCH A MANNER THAT THERE ARE NO HORIZONTAL SPLICES.

OVERLAY PANELS: FULL SIGN OVERLAY PANELS SHALL BE IN ACCORDANCE WITH SECTION 725.08(C). PARTIAL SIGN OVERLAYS AND ALL-SHIELDS SHALL HAVE SIGNING SURFACES. SIGNS SHALL BE AT LEAST 1/8" THICK AND SIZED SO THEY WILL NOT END BEYOND EDGE OF OVERLAY. RIVETS SHALL BE AS SPECIFIED ON THIS STANDARD DETAIL SHEET.

SIGN LOCATIONS: FOR GROUND MOUNTED SIGN INSTALLATIONS, THE ENGINEER MAY ADJUST THE TYPE D AND E SIGN LOCATIONS INDICATED ON THE PLANS. THIS WILL BE ALLOWED TO AVOID PLACEMENT IN DEEP DITCHES, STEEP BACKSLOPES, TREE LINES, AND ANY OTHER UNACCOUNTED FOR FIELD CONDITIONS AND TO PROVIDE BETTER MESSAGE PRESENTATION. ANY ADJUSTMENTS MUST BE WITH THE CONFORMANCE OF THE GEOMETRIC DESIGN ENGINEER.

SIGN TYPES: TYPE A - SMALL SIGN WITH ONE POST, TYPE B - CLUSTER ASSEMBLY OF TYPE A SIGNS; TYPE D - LARGE RECTANGULAR SIGN ADJACENT TO TRAFFIC MOUNTED WITH MULTIPLE POSTS; TYPE E - SECONDARY SIGN (SUCH AS AN EXISTING NUMBER PANEL) ATTACHED TO A LARGE RECTANGULAR PRIMARY SIGN; OVERHEAD MOUNTED - LARGE RECTANGULAR SIGN ABOVE TRAFFIC MOUNTED ON TRUSSES, CANTILEVER, BUTTERFLY, OR FACED-DELINATOR, MILEPOST AND OBJECT MARKER SIGNS ARE NOT COVERED UNDER TRAFFIC SIGNS. SEE STANDARD PLAN HS-03.

MISCELLANEOUS: THE CONTRACTOR SHALL MARK THE DATE OF FABRICATION, SHEETING MANUFACTURER CODE, AND SIZE OF SIGN ON THE BACK OF EACH SIGN WITH AN APPROVED WEATHER RESISTANT PAINT STICK. MARK SHALL BE 2" MINIMUM HEIGHT ON MULTI-POST SIGNS. SEE DETAIL "A", SHEET 7 OF 21.

POST HINGE SPLICE ON MULTI-POST SIGNS WITH ALL POSTS CONNECTED BY A SECONDARY SIGN SHALL BE LOCATED BELOW THE SECONDARY SIGN. STUB POST SHALL BE ASSEMBLED TO SIGN POST WITH REQUIRED BOLTS AND ONE FLAT WASHER ON EACH BOLT BETWEEN PLATES PRIOR TO SHIPMENT. POST SPLICE SHALL BE ASSEMBLED TO MINIMUM HOLE LUNSON IN SHOP PRIOR TO SHIPMENT. SIGN POST SHALL BE SHIPPED TO JOB SITE ASSEMBLED WITH ALL HARDWARE REQUIRED IN PLACE AND SECURED. EXPOSED ENDS OF ALL PIPE SHALL BE CAPPED. USE OF SECTIONS PROVIDING EQUAL OR GREATER STRENGTH FOR ANY MEMBER DESIGNATED ON THE PLANS SHALL BE SUBMITTED TO THE BRIDGE ENGINEER FOR APPROVAL.

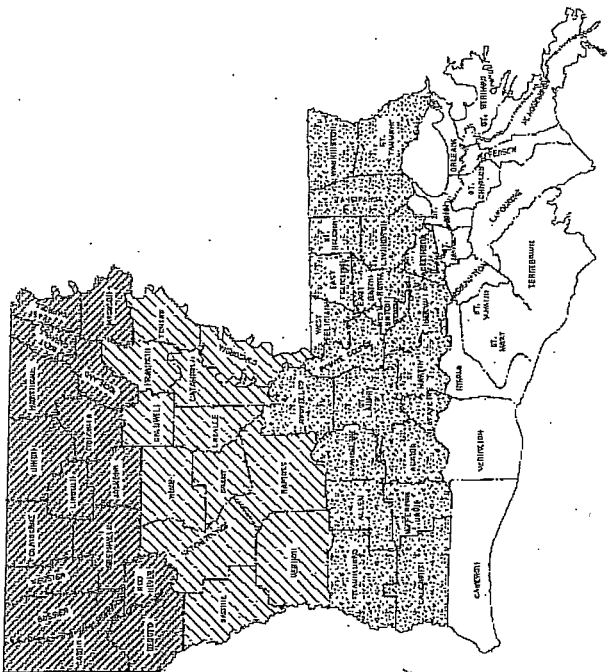
ALL DIMENSIONS REQUIRED FOR SATISFACTORY INSTALLATION SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE FABRICATION. ADJUSTMENTS SHALL BE MADE AS DIRECTED BY THE ENGINEER.

ALL ALUMINUM SURFACES PLACED IN CONTACT WITH, OR FASTENED TO, UNGALVANIZED STEEL MEMBERS SHALL BE THOROUGHLY COATED WITH AN APPROVED ALUMINUM IMPREGNATED CAULKING COMPOUND. PAINT ALUMINUM SECTIONS IN CONTACT WITH CONCRETE WITH A HEAVY COAT OF AN ALKALI RESISTANT BITUMINOUS PAINT OR A COAT OF ZINC CHROMATE PAINT AND ALLOW TO DRY BEFORE PLACING.

BEFORE SHIPPING A TRUSS, IT SHALL BE ASSEMBLED IN THE SHOP WITH ALL BOLTS IN PLACE. THE DISTANCE BETWEEN CENTER LINES OF BASE PLATES SHALL BE MEASURED AND CHECKED AGAINST FIELD MEASUREMENTS OF THE COLUMN SUPPORT SYSTEM PRIOR TO SHIPMENT.

IN GENERAL, A STRUCTURE MOUNTED OVERHEAD SIGN SUPPORT SHOULD BE PLACED IN A LOW MOMENT AREA OF THE STRUCTURAL SPAN. THE IDEAL LOCATION IS WITHIN THE END 1/4 OF THE SPAN LENGTH FOR A SINGLE SPAN STRUCTURE AND NEAR THE POINT OF CONTRAFLEXURE FOR A CONTINUOUS SPAN STRUCTURE. FOR OVERHEAD MOUNTED TRUSS SIGNS, THE VERTICAL SUPPORT MEMBERS SHALL BE REPLACED WITH ONE PIECE FULL HEIGHT VERTICAL SUPPORT MEMBERS.

TREE TRIMMING: THE CONTRACTOR SHALL BE RESPONSIBLE FOR MISCELLANEOUS BRUSH AND TREE TRIMMING TO ALLOW FOR FULL SIGN PRESENTATION AS DIRECTED BY THE PROJECT ENGINEER.



WIND LOAD MAP

SYMBOL	ROADSIDE MOUNTED		TRUSS MOUNTED	
	WIND VELOCITY (MPH)	WIND VELOCITY (PSF)	WIND VELOCITY (MPH)	WIND VELOCITY (PSF)
1	70	20	70	20
2	80	27	80	27
3	90	35	90	35
4	100	43	100	43
5	110	51	110	51

H = DISTANCE FROM GROUND TO E SIGN OR TRUSS IN FEET.

25 YEAR MEAN RECURRENCE INTERVAL

INCLUDES 1.2

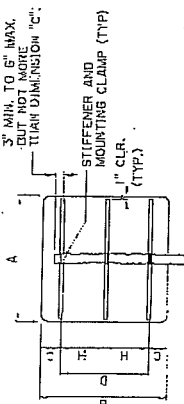


TRAFFIC SIGNS
WIND LOAD MAP B GENERAL NOTES

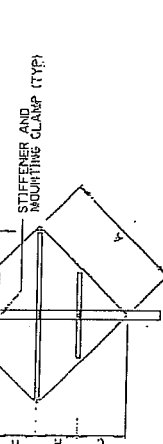
1	1-1-03	ALUMINUM ALLOY SPECIFICATION
2	1-1-03	LETTERING ON BACKS AND SIGNS
3	1-1-03	UPDATES FOR 2008 SPECIFICATIONS
4	1-1-03	UPDATES FOR 2008 SPECIFICATIONS
5	1-1-03	UPDATES FOR 2008 SPECIFICATIONS
6	1-1-03	UPDATES FOR 2008 SPECIFICATIONS
7	1-1-03	UPDATES FOR 2008 SPECIFICATIONS
8	1-1-03	UPDATES FOR 2008 SPECIFICATIONS
9	1-1-03	UPDATES FOR 2008 SPECIFICATIONS
10	1-1-03	UPDATES FOR 2008 SPECIFICATIONS
11	1-1-03	UPDATES FOR 2008 SPECIFICATIONS
12	1-1-03	UPDATES FOR 2008 SPECIFICATIONS
13	1-1-03	UPDATES FOR 2008 SPECIFICATIONS
14	1-1-03	UPDATES FOR 2008 SPECIFICATIONS
15	1-1-03	UPDATES FOR 2008 SPECIFICATIONS
16	1-1-03	UPDATES FOR 2008 SPECIFICATIONS
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85	1-1-03	UPDATES FOR 2008 SPECIFICATIONS
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97	1-1-03	UPDATES FOR 2008 SPECIFICATIONS
98	1-1-03	UPDATES FOR 2008 SPECIFICATIONS
99	1-1-03	UPDATES FOR 2008 SPECIFICATIONS
100	1-1-03	UPDATES FOR 2008 SPECIFICATIONS



EQUILATERAL TRIANGLE



**SQUARE, RECTANGLE, CIRCLE,
OCTAGON AND ROUTE MARKERS**



DIAMOND

SQUARE, RECTANGLE, CIRCLE, TUBES, CONES AND ROUTE MARKERS				
4 DIA (IN)	C (IN)	D (IN)	H (IN)	STIFFENER NUMBER REQUIRED
1	3			1
1.2	6			1
1.5	7.5			1
2	9			1
3	12			2
4	15			2
6	21			2
8	28			3
10	35			4
12	42			4
15	52.5			5
18	63			6
21	73.5			7
24	84			8
28	105			10
35	131.25			13
42	157.5			16
48	184			19
54	210.75			22
60	237			25
66	263.25			28
72	289.5			31
78	315.75			34
84	342			37
90	368.25			40
96	394.5			43
102	420.75			46
108	447			49
114	473.25			52
120	500			55
126	526.25			58
132	552.5			61
138	578.75			64
144	605			67
150	631.25			70
156	657.5			73
162	683.75			76
168	710			79
174	736.25			82
180	762.5			85
186	788.75			88
192	815			91
198	841.25			94
204	867.5			97
210	893.75			100
216	920			103
222	946.25			106
228	972.5			109
234	998.75			112
240	1025			115
246	1051.25			118
252	1077.5			121
258	1103.75			124
264	1130			127
270	1156.25			130
276	1182.5			133
282	1208.75			136
288	1235			139
294	1261.25			142
300	1287.5			145
306	1313.75			148
312	1340			151
318	1366.25			154
324	1392.5			157
330	1418.75			160
336	1445			163
342	1471.25			166
348	1497.5			169
354	1523.75			172
360	1550			175
366	1576.25			178
372	1602.5			181
378	1628.75			184
384	1655			187
390	1681.25			190
396	1707.5			193
402	1733.75			196
408	1760			199
414	1786.25			202
420	1812.5			205
426	1838.75			208
432	1865			211
438	1891.25			214
444	1917.5			217
450	1943.75			220
456	1970			223
462	1996.25			226
468	2022.5			229
474	2048.75			232
480	2075			235
486	2101.25			238
492	2127.5			241
498	2153.75			244
504	2180			247
510	2206.25			250
516	2232.5			253
522	2258.75			256
528	2285			259
534	2311.25			262
540	2337.5			265
546	2363.75			268
552	2390			271
558	2416.25			274
564	2442.5			277
570	2468.75			280
576	2495			283
582	2521.25			286
588	2547.5			289
594	2573.75			292
600	2600			295
606	2626.25			298
612	2652.5			301
618	2678.75			304
624	2705			307
630	2731.25			310
636	2757.5			313
642	2783.75			316
648	2810			319
654	2836.25			322
660	2862.5			325
666	2888.75			328
672	2915			331
678	2941.25			334
684	2967.5			337
690	2993.75			340
696	3020			343
702	3046.25			346
708	3072.5			349
714	3098.75			352
720	3125			355
726	3151.25			358
732	3177.5			361
738	3203.75			364
744	3230			367
750	3256.25			370
756	3282.5			373
762	3308.75			376
768	3335			379
774	3361.25			382
780	3387.5			385
786	3413.75			388
792	3440			391
798	3466.25			394
804	3492.5			397
810	3518.75			400
816	3545			403
822	3571.25			406
828	3597.5			409
834	3623.75			412
840	3650			415
846	3676.25			418
852	3702.5			421
858	3728.75			424
864	3755			427
870	3781.25			430
876	3807.5			433
882	3833.75			436
888	3860			439
894	3886.25			442
900	3912.5			445
906	3938.75			448
912	3965			451
918	3991.25			454
924	4017.5			457
930	4043.75			460
936	4070			463
942	4096.25			466
948	4122.5			469
954	4148.75			472
960	4175			475
966	4201.25			478
972	4227.5			481
978	4253.75			484
984	4280			487
990	4306.25			490
996	4332.5			493
1002	4358.75			496
1008	4385			499
1014	4411.25			502
1020	4437.5			505
1026	4463.75			508
1032	4490			511
1038	4516.25			514
1044	4542.5			517
1050	4568.75			520
1056	4595			523
1062	4621.25			526
1068	4647.5			529
1074	4673.75			532
1080	4700			535
1086	4726.25			538
1092	4752.5			541
1098	4778.75			544
1104	4805			547
1110	4831.25			550
1116	4857.5			553
1122	4883.75			556
1128	4910			559
1134	4936.25			562
1140	4962.5			565
1146	4988.75			568
1152	5015			571
1158	5041.25			574
1164	5067.5			577
1170	5093.75			580
1176	5120			583
1182	5146.25			586
1188	5172.5			589
1194	5198.75			592
1200	5225			595
1206	5251.25			598
1212	5277.5			601
1218	5303.75			604
1224	5330			607
1230	5356.25			610
1236	5382.5			613
1242	5408.75			616
1248	5435			619
1254	5461.25			622
1260	5487.5			625
1266	5513.75			628
1272	5540			631
1278	5566.25			634
1284	5592.5			637
1290	5618.75			640
1296	5645			643
1302	5671.25			646
1308	5697.5			649
1314	5723.75			652
1320	5750			655
1326	5776.25			658
1332	5802.5			661
1338	5828.75			664
1344	5855			667
1350	5881.25			670
1356	5907.5			673
1362	5933.75			676
1368	5960			679
1374	5986.25			682
1380	6012.5			685
1386	6038.75			688
1392	6065			691
1398	6091.25			694
1404	6117.5			697
1410	6143.75			700
1416	6170			703
1422	6196.25			706
1428	6222.5			709
1434	6248.75			712
1440	6275			715
1446	6301.25			718
1452	6327.5			721
1458	6353.75			724
1464	6380			727
1470	6406.25			730
1476	6432.5			733
1482	6458.75			736
1488	6485			739
1494	6511.25			742
1500	6537.5			745
1506	6563.75			748
1512	6590			751
1518	6616.25			754
1524	6642.5			757
1530	6668.75			760
1536	6695			763
1542	6721.25			766
1548	6747.5			769
1554	6773.75			772
1560	6800			775
1566	6826.25			778
1572	6852.5			781
1578	6878.75			784
1584	6905			787
1590	6931.25			790
1596	6957.5			793
1602	6983.75			796
1608	7010			799
1614	7036.25			802
1620	7062.5			805
1626	7088.75			808
1632	7115			811
1638	7141.25			814
1644	7167.5			817
1650	7193.75			820
1656	7220			823
1662	7246.25			826
1668	7272.5			829
1674	7298.75			832
1680	7325			835
1686	7351.25			838
1692	7377.5			841
1698	7403.75			844
1704	7430			847
1710	7456.25			850
1716	7482.5			853
1722	7508.75			856
1728	7535			859
1734	7561.25			862
1740	7587.5			865
1746	7613.75			868
1752	7640			871
1758	7666.25			874
1764	7692.5			877
1770	7718.75			880
1776	7745			883
1782	7771.25			886
1788	7797.5			889
1794	7823.75			892
1800	7850			895
1806	7876.25			898
1812	7902.5			901
1818	7928.75			904
1824	7955			907
1830	7981.25			910
1836	8007.5			913
1842				

EQUILATERAL TRIANGLE

EQUILATERAL TRIANGLE			
A (IN.)	C (IN.)	H (IN.)	STIFFENER NUMBER REQUIRED
24	0		1
30	6	10	2
36	6	12.5	2
48	6	23	2
60	6	33.5	2

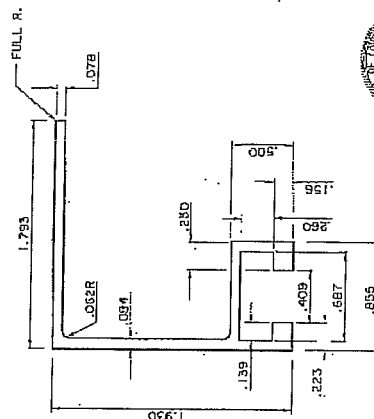
DIAMOND			
A (IN.)	C (IN.)	H (IN.)	STIFFENER NUMBER REQUIRED
24	10	6.91	1
30	12	9.21	2
36	14	11.46	2
48	18.5	15.44	3
60	22.5	19.53	3

DIAMOND

* SEE SUMMARY SHEET
AND APPLICABLE
SIGN SHAPE TABLE
ON THIS SHEET
FOR DIMENSIONS

ONE 3/8" Ø TRACK HEAD BOLT, FLAT
WASHER, AND HEX LOCK NUT (ALUMINUM) (4)
OR TWO POST CLIP ASSEMBLIES

TYPE B SIGN
(CLUSTER ASSEMBLY)



EXTRUSION STIFFENER

NOTES:

1. NO BOLTS SHALL BE PLACED THROUGH FACE OF SIGN.

2. ALL TRACK HEAD BOLTS SHALL HAVE HEADS DESIGNED TO FIT AND TRANSMIT LOAD TO BOLT SLOTS IN THE STIFFENER.

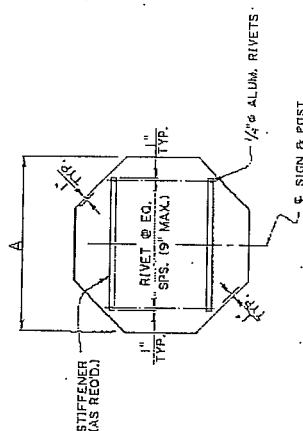
3. STIFFENERS SHALL BE ALUMINUM EXTRUSIONS AS DETAILED ON THIS SHEET UNLESS OTHERWISE NOTED.

4. MOUNTING CLAMP REQUIRED AT EACH HORIZONTAL STIFFENER.

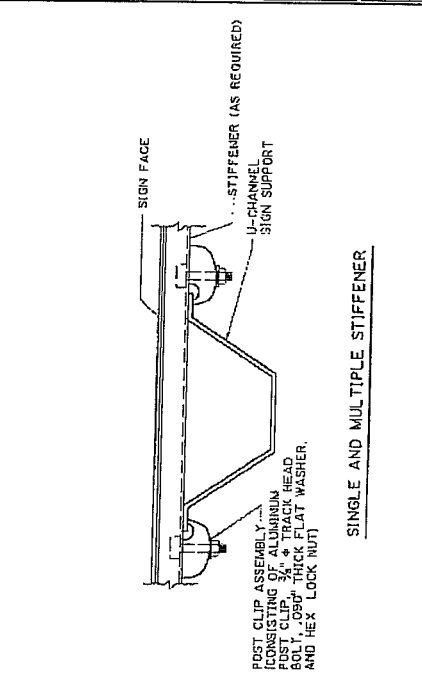
5. SIGN PANELS AND POSTS SHALL BE THE SIZE SPECIFIED ON THE PLANS AND SUMMARY SHEET.

6. SEE OTHER SHEETS FOR MOUNTING DETAILS.

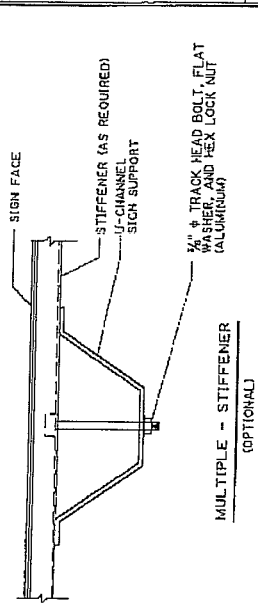
7. THIS SHEET TO BE USED WITH WIND LOAD MAP AND GENERAL NOTE SHEET.



TYPICAL SIGN BACKING DETAIL

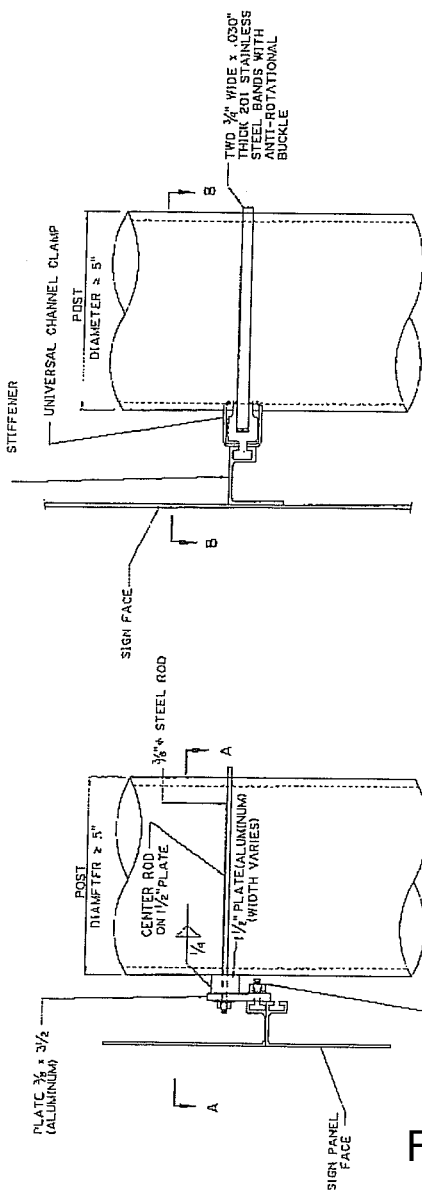


SINGLE AND MULTIPLE STIFFENER



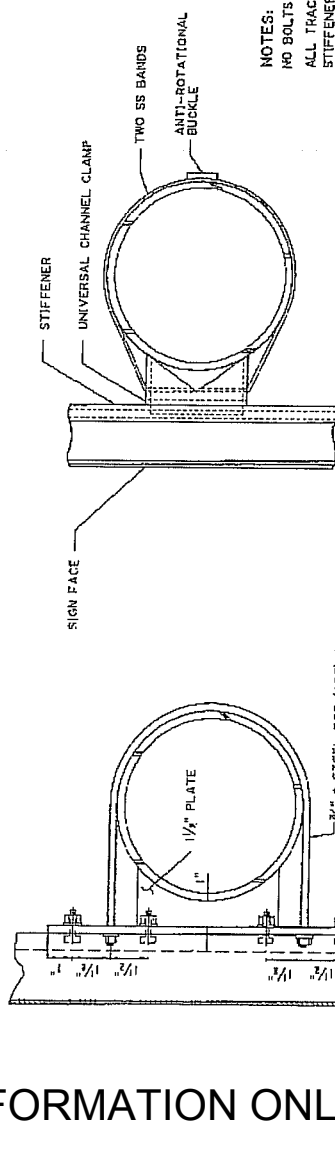
MULTIPLE - STIFFENER (OPTIONAL)

MOUNTING DETAIL (U-CHANNEL POST)



ELEVATION (TYPICAL AT EACH STIFFENER.)

ELEVATION (TYPICAL AT EACH STIFFENER.)



SECTION 8-B

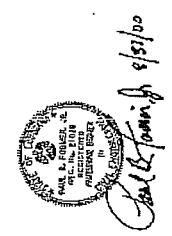
SECTION A-A

MOUNTING DETAIL (BAND TYPE)
(FOR ALL POSTS ≥ 5" AND WITH SIGN AREAS ≤ 20 SQ. FT. OR LESS THAN 4 FEET WIDE)

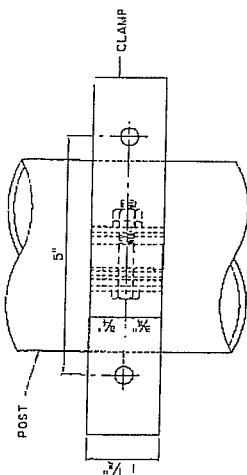
MOUNTING DETAIL (TYPE 1)
(FOR NON-TAPERED ROUND METAL POST SIZES ≥ 5" DIAMETER AND SIGNS ≥ 20 SQ. FT.)

NOTES:

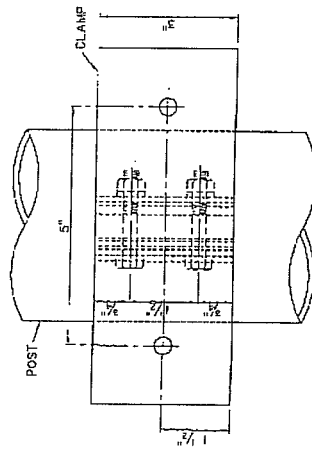
- NO BOLTS SHALL BE PLACED THROUGH FACE OF SIGN.
- ALL TRACK HEAD BOLTS SHALL HAVE HEADS DESIGNED TO FIT AND TRANSMIT LOAD TO BOLT SLOTS IN THE STIFFENER.
- MOUNTING CLAMP REQUIRED AT EACH HORIZONTAL STIFFENER.
- U-CHANNEL POSTS SHALL BE AT LEAST 3 POUND PER FOOT FLANGED CHANNEL STEEL FABRICATED FROM STEEL CONFORMING TO A.S.T.M. A-99, GRADE 50. HOLES 3/8" IN DIAMETER SHALL BE PUNCHED THROUGH EACH POST ON ONE INCH CENTERS ALONG THE CENTERLINE OF THE POST FOR ITS FULL LENGTH.
- U-CHANNEL POSTS SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH A.S.T.M. A-123.
- U-CHANNEL POSTS SHALL BE DRIVEN TO A DEPTH OF 3 FEET BELOW NATURAL GROUND USING A SUITABLE PROTECTIVE DRIVING CAP AND SHALL BE VERTICAL.
- U-CHANNEL POST USE WILL BE LIMITED TO A TOTAL SIGN AREA OF LESS THAN 6.4 SQUARE FEET PER POST AND WITH A CENTROID LESS THAN 8' FROM THE GROUND.



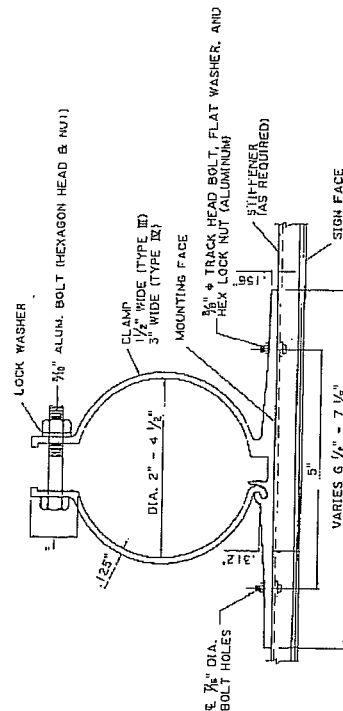
FOR INFORMATION ONLY



ELEVATION (TYPE III)
(FOR SIGNS < 12 SQ. FT.)

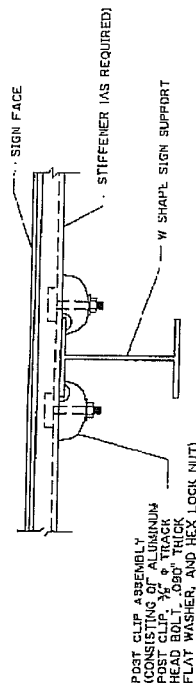


ELEVATION (TYPE IV)
(FOR SIGNS > 12 SQ. FT.)



PLAN
MOUNTING DETAIL (TYPE III & IV)
(FOR ROUND POSTS < 5" IN DIAMETER.)

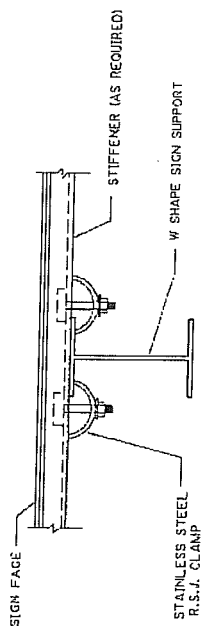
FOR INFORMATION ONLY



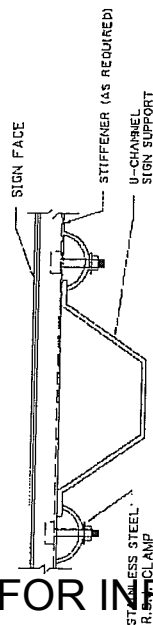
MOUNTING DETAIL (TYPE II)

NOTES:
TYPE III OR TYPE IV CLAMPS SHALL BE ALUMINUM 6061-T6 OR 6063-T6.
FOR BACK TO BACK SIGNS USING TYPE III AND IV MOUNTING DETAILS,
STAGGER CLAMPS AND FACE IN OPPOSITE DIRECTIONS.
ALL TRACK HEAD BOLTS SHALL HAVE HEADS DESIGNED TO FIT AND
TRANSMIT LOAD TO THE BOLT SLOTS IN THE STIFFENER.
MOUNTING CLAMP REQUIRED AT EACH HORIZONTAL STIFFENER.
THIS SHEET TO BE USED WITH WIND LOAD MAP AND GENERAL NOTE SHEET

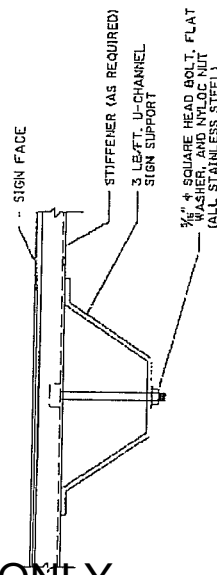




MOUNTING DETAIL (TYPE II)

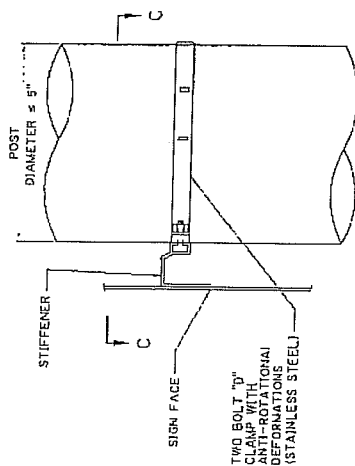


SINGLE AND MULTIPLE STIFFENER

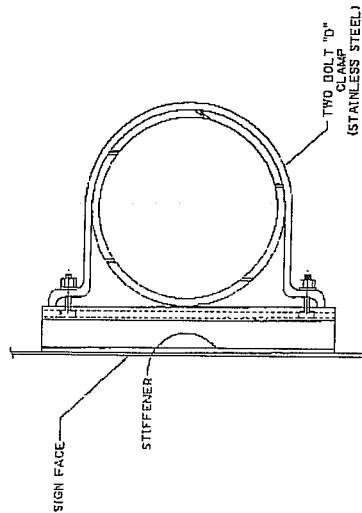


MULTIPLE - STIFFENER (OPTIONAL)

MOUNTING DETAIL (U-CHANNEL POST)



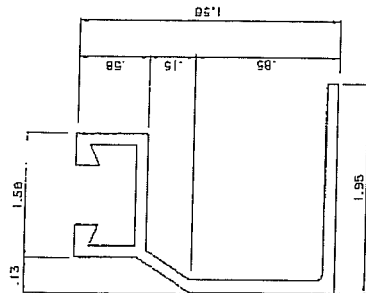
ELEVATION



SECTION C-C

ALTERNATE TYPE II & IV MOUNTING DETAIL

(FOR ALL POSTS $\leq 5"$ DIAMETER AND SIGNS ≤ 20 SQ. FT.)



LARGE CORNER ANGLE EXTRUSION (ALTERNATE TO EXTRUSION STIFFENER)

NOTES:

ALL BOLTED ATTACHMENTS SHALL INCORPORATE SIGN-FIX STAINLESS STEEL $\frac{3}{16}"$ LJP-LOC BOLTS, FLAT WASHERS, AND NYLOC NUTS, UNLESS OTHERWISE NOTED.

SQUARE HEAD BOLTS SHALL HAVE HEADS DESIGNED TO FIT AND TRANSMIT LOAD TO THE ROLT SLOTS IN THE STIFFENER.

FOR BACK-TO-BACK MOUNTING ON ALL ROUND METAL, POSTS $\leq 5"$ DIAMETER AND SIGNS ≤ 20 SQUARE FEET, USE EITHER:

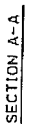
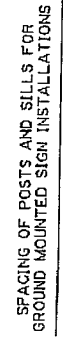
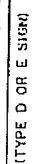
- 1) BACK-TO-BACK CHANNEL CLAMPS
- 2) TWO BOLT "D" CLAMPS, STAGGERED, AND FACE IN OPPOSITE DIRECTIONS.

MOUNTING CLAMP REQUIRED AT EACH HORIZONTAL STIFFENER.

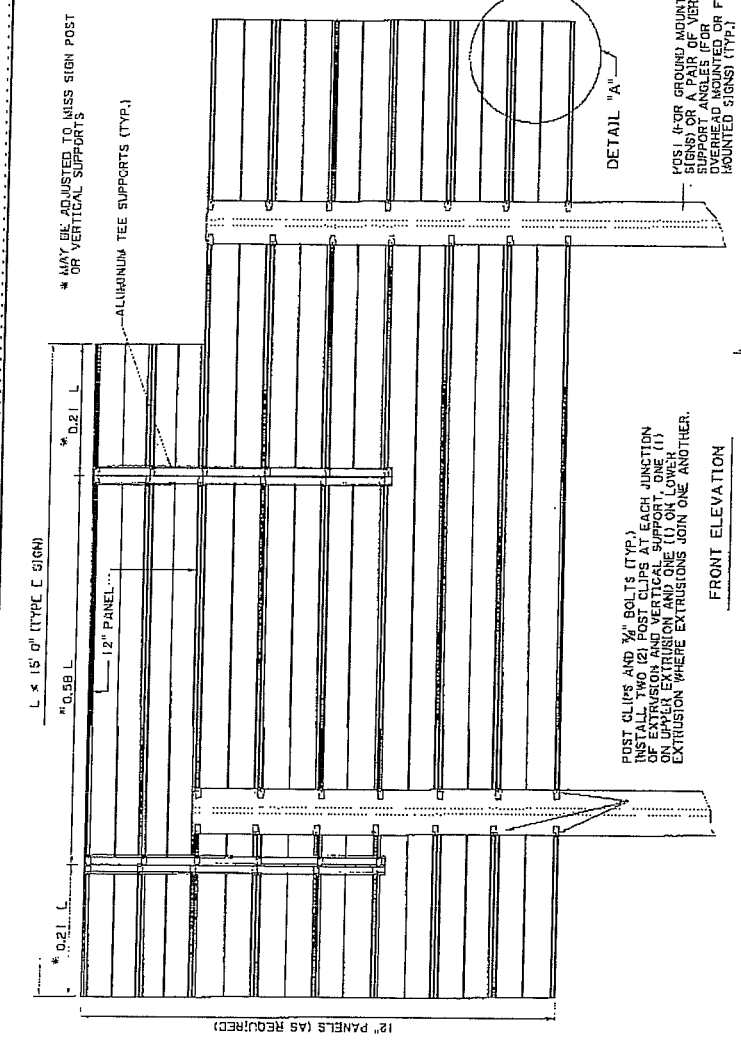
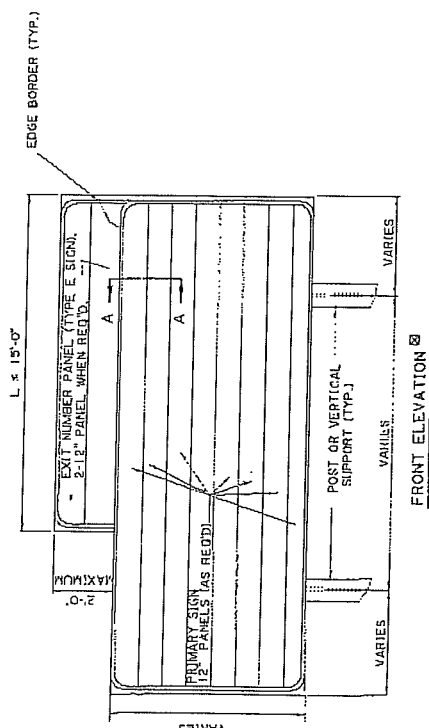
THIS SHEET TO BE USED WITH WIND LOAD MAP AND GENERAL NOTE SHEET.

IF THE CONTRACTOR ELECTS TO USE SIGN-FIX DETAILS, HE WILL BE REQUIRED TO USE SIGN-FIX DETAILS WHERE POSSIBLE FOR THE ENTIRE PROJECT.





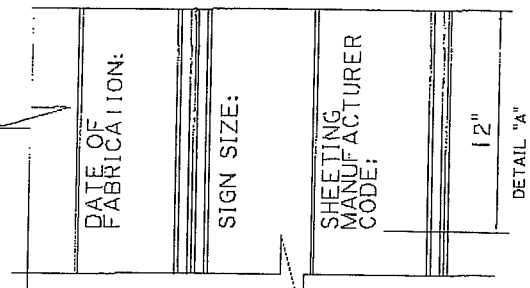
Paul D. Farrelly 8/31/00



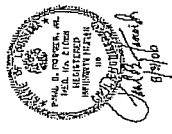
NOTES:

- EXTRUDED ALUMINUM PANELS WILL BE ALLOWED TO BE USED AS AN ALTERNATE TO SIGN PANEL DETAILS FOR TYPE "D" AND "E" GROUND MOUNTED AND OVERHEAD MOUNTED SIGNS. NUMBER AND SPACING OF POST SHALL MATCH THOSE SHOWN FOR PANEL DETAILS.
- ALL 12" EXTRUDED ALUMINUM PANELS SHALL BE ALUMINUM ALLOY 356-T6.
- ALL POST CLIPS SHALL BE ALUMINUM ALLOY 356-T6.
- ALL EXTRUDED PANEL BOLTS AND POST CLIP BOLTS SHALL BE ALUMINUM.
- ALL HEX LOCK NUTS SHALL BE ALUMINUM ALLOY 2017-T4.
- ALL POST CLIP BOLTS SHALL BE TORQUED TO A MINIMUM OF 175 IN-LBS.
- ALL POST CLIP BOLTS, SHALL HAVE HEADS DESIGNED TO FIT THE BOLT SLOTS IN THE PANELS.
- TYPE "E" SIGNS SHALL BE ATTACHED TO PRIMARY SIGNS WITH ALUMINUM TEE SUPPORTS, 15'-1" LENGTH, POST CLIPS, POST CLIP BOLTS, AND HEX LOCK NUTS.
- FOR NEW OVERHEAD SIGNS (INCLUDING FASCIA MOUNTED) INCORPORATING EXISTING MOUNTS, THE CONTRACTOR SHALL REPLACE VERTICAL SUPPORT ANGLES WITHOUT SPLICES THAT EXTEND THE FULL HEIGHT OF THE EXTRUDED PRIMARY SIGN PANEL.
- FOR NEW TYPE D SIGNS INCORPORATING EXISTING MOUNTS, THE EXISTING POST MAY BE REUSED IF THE NEW SIGN PANEL DOES NOT EXTEND OVER 2'-0" ABOVE THE EXISTING POST. SUCH NEW SIGNS WILL BE MOUNTED TO ALUMINUM TEE SUPPORTS BEGINNING AT THE TOP OF THE SIGN AND EXTENDING DOWNWARD FROM THE TOP OF THE POST. THE DISTANCE THE NEW SIGN IS ABOVE THE EXISTING POST PLUS 1'-0", ONE TEE IS REQUIRED ADJACENT TO EACH POST. THE NEW SIGN SHALL BE ATTACHED WITH POST CLIPS AS SHOWN FOR NEW TYPE E SIGNS. IF THE NEW SIGN EXTENDS OVER 2'-0" ABOVE THE EXISTING POST, THE CONTRACTOR IS TO REPLACE THE EXISTING POST AND MEET DETAILS FOR NEW CONSTRUCTION.
- REFLECTIVE SHEETING FOR EXTRUDED PANELS: ONLY SPLICES THAT OCCUR AS PART OF THE MANUFACTURING PROCESS SHALL BE PERMITTED. A MAXIMUM OF TWO VERTICAL SPLICES ON ANY ONE SIGN ARE ALLOWED. USING EXTRUDED PANELS, WITH ONE SPLICE PER EXTRUDED PANELS SHALL BE ALLOWED. ALL "EXIT ON" PANELS FABRICATED DETAILED WITH THE TOP AND/OR BOTTOM EDGE NOT AT AN EXTRUDED PANEL EDGE SHALL BE FABRICATED BY APPLYING THE YELLOW REFLECTIVE SHEETING AS AN OVERLAY. ALL OTHER "EXIT ON" PANELS SHALL BE THE REFLECTIVE SHEETING APPLIED TO EXTRUDED PANELS. THE REFLECTIVE SHEETING SHALL EXTEND APPROXIMATELY 1/4" OVER EACH SIDE AND SHALL BE ADHERED TO THE SIDE OF THE PANEL.
- THIS SHEET TO BE USED WITH WIND LOAD MAP AND GENERAL NOTE SHEET.

IF POSSIBLE LOWER MOUNTED TYPE E SIGN NOT SHOWN, WHEN LOWER MOUNT IS REQUIRED, IT SHALL BE CENTERED BETWEEN THE EDGES OF THE MAIN SIGN.



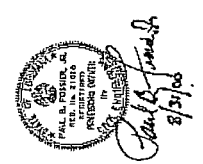
2" LETTERING IN LAST 12" OF SIGN, SEE MISCELLANEOUS NOTE ON GENERAL NOTE SHEET OF TRAFFIC SIGN DETAILS.



TRAFFIC SIGNS
EXTRUDED ALUMINUM PANEL
TYPE "E" AND
OVERHEAD MOUNTED SIGN



1	7-10-01	2" LETTERING ON BACK OF SIGN (DETAIL "A")	P.E.	PAUL E. PFEIFFER	8/1/00
2	7-10-01	2" LETTERING ON BACK OF SIGN (DETAIL "A")	P.E.	PAUL E. PFEIFFER	8/1/00
3	7-10-01	2" LETTERING ON BACK OF SIGN (DETAIL "A")	P.E.	PAUL E. PFEIFFER	8/1/00
4	7-10-01	2" LETTERING ON BACK OF SIGN (DETAIL "A")	P.E.	PAUL E. PFEIFFER	8/1/00
5	7-10-01	2" LETTERING ON BACK OF SIGN (DETAIL "A")	P.E.	PAUL E. PFEIFFER	8/1/00
6	7-10-01	2" LETTERING ON BACK OF SIGN (DETAIL "A")	P.E.	PAUL E. PFEIFFER	8/1/00
7	7-10-01	2" LETTERING ON BACK OF SIGN (DETAIL "A")	P.E.	PAUL E. PFEIFFER	8/1/00
8	7-10-01	2" LETTERING ON BACK OF SIGN (DETAIL "A")	P.E.	PAUL E. PFEIFFER	8/1/00
9	7-10-01	2" LETTERING ON BACK OF SIGN (DETAIL "A")	P.E.	PAUL E. PFEIFFER	8/1/00
10	7-10-01	2" LETTERING ON BACK OF SIGN (DETAIL "A")	P.E.	PAUL E. PFEIFFER	8/1/00

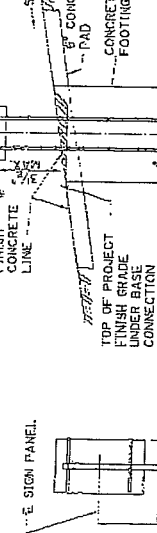


MILLIMETER WALL THICKNESS IS 0.080"
UNLESS OTHERWISE SPECIFIED

TYPE A SIGN

TYPE B SIGN

CLUSTER ASSEMBLY
MAX. DIM. FOR DIFFERENT SIGN BLANK
DIAMOND SHAPED DIM.
5'-0" MAX. HORIZ. DIM.
OTHER SHAPES, TRIANGULAR: 5'-0" MAX. HORIZ. DIM.
5'-0" MAX. HORIZ. DIM.



DETAIL "A"

#1 TO MAINTAIN CORRECT STUB PROJECTION,
RECESS CONCRETE AS NECESSARY FOR BOLT
INSTALLATION. RECESS SHAVE TO DRAIN.

ROUND OR RECTANGULAR CONCRETE SLAB (4" WIDTH)
COST TO BE INCLUDED IN BID PRICE FOR SIGN POST.

JOINT MATERIAL IS NOT REQUIRED IF SLAB AND
FOOTING ARE POURED MONOLITHIC.

EVERY SIGN AT
MATERIAL (TYP.)

REAR ELEVATION OF
SINGLE POST MOUNTING

LOCATION OF GROUND MOUNTED
SIGN STRUCTURES

USE 95° FOR SIGNS OFFSET < 30'-0"
USE 47° FOR SIGNS OFFSET > 30'-0"

TYPICAL FOR MULTIPLE POST SIGNS.
MOUNT SINGLE POST SIGNS PERPENDICULAR TO EDGE OF RDWY.

EDGE OF ROADWAY

TO SIGN (MAX.)

TO SIGN (MIN.)

TO SIGN (MAX.)

TO SIGN (MIN.)

TO SIGN (MAX.)

TO SIGN (MIN.)

TO SIGN (MAX.)

TO SIGN (MIN.)

TO SIGN (MAX.)

TO SIGN (MIN.)

TO SIGN (MAX.)

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TO SIGN (MIN.)

TO SIGN (MAX.)

TO SIGN (MIN.)

TO SIGN (MAX.)

TO SIGN (MIN.)

TO SIGN (MAX.)

TO SIGN (MIN.)

TO SIGN (MAX.)

SINGLE POST MOUNTS		TOTAL SQ. FT. SIGN AREA	
ZONE I	ZONE II	ALUMINUM ALTERNATE	STEEL
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20
21	21	21	21
22	22	22	22
23	23	23	23
24	24	24	24
25	25	25	25
26	26	26	26
27	27	27	27
28	28	28	28
29	29	29	29
30	30	30	30
31	31	31	31
32	32	32	32
33	33	33	33
34	34	34	34
35	35	35	35
36	36	36	36
37	37	37	37
38	38	38	38
39	39	39	39
40	40	40	40
41	41	41	41
42	42	42	42
43	43	43	43
44	44	44	44
45	45	45	45
46	46	46	46
47	47	47	47
48	48	48	48
49	49	49	49
50	50	50	50
51	51	51	51
52	52	52	52
53	53	53	53
54	54	54	54
55	55	55	55
56	56	56	56
57	57	57	57
58	58	58	58
59	59	59	59
60	60	60	60
61	61	61	61
62	62	62	62
63	63	63	63
64	64	64	64
65	65	65	65
66	66	66	66
67	67	67	67
68	68	68	68
69	69	69	69
70	70	70	70
71	71	71	71
72	72	72	72
73	73	73	73
74	74	74	74
75	75	75	75
76	76	76	76
77	77	77	77
78	78	78	78
79	79	79	79
80	80	80	80
81	81	81	81
82	82	82	82
83	83	83	83
84	84	84	84
85	85	85	85
86	86	86	86
87	87	87	87
88	88	88	88
89	89	89	89
90	90	90	90
91	91	91	91
92	92	92	92
93	93	93	93
94	94	94	94
95	95	95	95
96	96	96	96
97	97	97	97
98	98	98	98
99	99	99	99
100	100	100	100

DETAIL "A"

#1 TO MAINTAIN CORRECT STUB PROJECTION,
RECESS CONCRETE AS NECESSARY FOR BOLT
INSTALLATION. RECESS SHAVE TO DRAIN.

ROUND OR RECTANGULAR CONCRETE SLAB (4" WIDTH)
COST TO BE INCLUDED IN BID PRICE FOR SIGN POST.

JOINT MATERIAL IS NOT REQUIRED IF SLAB AND
FOOTING ARE POURED MONOLITHIC.

EVERY SIGN AT
MATERIAL (TYP.)

REAR ELEVATION OF
SINGLE POST MOUNTING

LOCATION OF GROUND MOUNTED
SIGN STRUCTURES

USE 95° FOR SIGNS OFFSET < 30'-0"
USE 47° FOR SIGNS OFFSET > 30'-0"

TYPICAL FOR MULTIPLE POST SIGNS.
MOUNT SINGLE POST SIGNS PERPENDICULAR TO EDGE OF RDWY.

EDGE OF ROADWAY

TO SIGN (MAX.)

TO SIGN (MIN.)

TO SIGN (MAX.)

TO SIGN (MIN.)

TO SIGN (MAX.)

TO SIGN (MIN.)

TO SIGN (MAX.)

TO SIGN (MIN.)

TO SIGN (MAX.)

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TO SIGN (MIN.)

TO SIGN (MAX.)

TO SIGN (MIN.)

TO SIGN (MAX.)

TO SIGN (MIN.)

TO SIGN (MAX.)

TO SIGN (MIN.)

TO SIGN (MAX.)

SINGLE POST MOUNTS		TOTAL SQ. FT. SIGN AREA	
ZONE I	ZONE II	ALUMINUM ALTERNATE	STEEL
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20
21	21	21	21
22	22	22	22
23	23	23	23
24	24	24	24
25	25	25	25
26	26	26	26
27	27	27	27
28	28	28	28
29	29	29	29
30	30	30	30
31	31	31	31
32	32	32	32
33	33	33	33
34	34	34	34
35	35	35	35
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44	44	44	44
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46	46	46	46
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94	94	94	94
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96	96	96	96
97	97	97	97
98	98	98	98
99	99	99	99
100	100	100	100

DETAIL "A"

#1 TO MAINTAIN CORRECT STUB PROJECTION,
RECESS CONCRETE AS NECESSARY FOR BOLT
INSTALLATION. RECESS SHAVE TO DRAIN.

ROUND OR RECTANGULAR CONCRETE SLAB (4" WIDTH)
COST TO BE INCLUDED IN BID PRICE FOR SIGN POST.

JOINT MATERIAL IS NOT REQUIRED IF SLAB AND
FOOTING ARE POURED MONOLITHIC.

EVERY SIGN AT
MATERIAL (TYP.)

REAR ELEVATION OF
SINGLE POST MOUNTING

LOCATION OF GROUND MOUNTED
SIGN STRUCTURES

USE 95° FOR SIGNS OFFSET < 30'-0"
USE 47° FOR SIGNS OFFSET > 30'-0"

TYPICAL FOR MULTIPLE POST SIGNS.
MOUNT SINGLE POST SIGNS PERPENDICULAR TO EDGE OF RDWY.

EDGE OF ROADWAY

TO SIGN (MAX.)

TO SIGN (MIN.)

TO SIGN (MAX.)

TO SIGN (MIN.)

TO SIGN (MAX.)

TO SIGN (MIN.)

TO SIGN (MAX.)

TO SIGN (MIN.)

TO SIGN (MAX.)

TO SIGN (MIN.)

TO SIGN (MAX.)

TO SIGN (MIN.)

TO SIGN (MAX.)

TO SIGN (MIN.)

TO SIGN (MAX.)

TO SIGN (MIN.)

TO SIGN (MAX.)

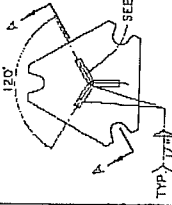
TO SIGN (MIN.)

TO SIGN (MAX.)

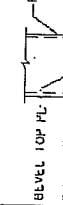
TO SIGN (MIN.)

TO SIGN (MAX.)

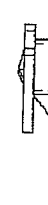
SINGLE POST MOUNTS		TOTAL SQ. FT. SIGN AREA	
ZONE I	ZONE II	ALUMINUM ALTERNATE	STEEL
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7



TOP VIEW STUB POST



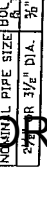
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"



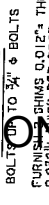
DETAIL "E"



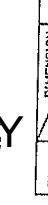
DETAIL "F"



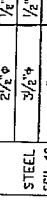
DETAIL "G"



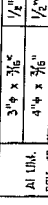
DETAIL "H"



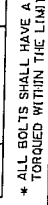
DETAIL "I"



DETAIL "J"



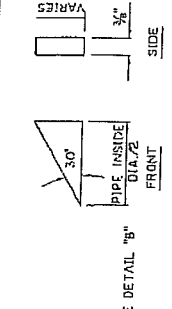
DETAIL "K"



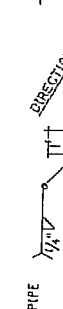
DETAIL "L"



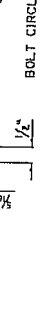
DETAIL "M"



DETAIL "N"



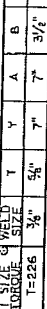
DETAIL "O"



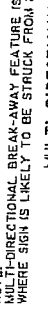
DETAIL "P"



DETAIL "Q"



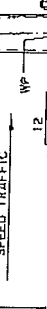
DETAIL "R"



DETAIL "S"



DETAIL "T"



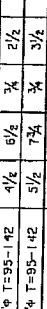
DETAIL "U"



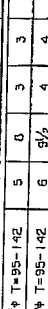
DETAIL "V"



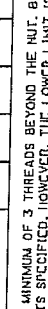
DETAIL "W"



DETAIL "X"



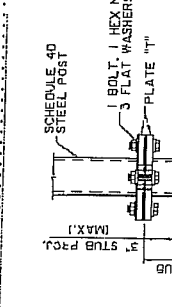
DETAIL "Y"



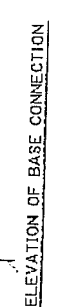
DETAIL "Z"



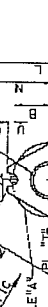
DETAIL "AA"



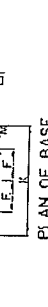
DETAIL "AB"



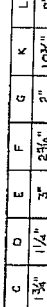
DETAIL "AC"



DETAIL "AD"



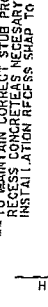
DETAIL "AE"



DETAIL "AF"



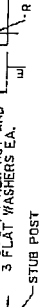
DETAIL "AG"



DETAIL "AH"



DETAIL "AI"



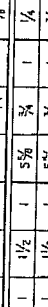
DETAIL "AJ"



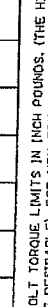
DETAIL "AK"



DETAIL "AL"



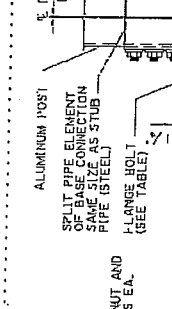
DETAIL "AM"



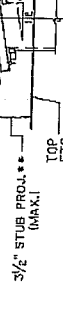
DETAIL "AN"



DETAIL "AO"



DETAIL "AP"



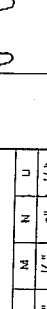
DETAIL "AQ"



DETAIL "AR"



DETAIL "AS"



DETAIL "AT"



DETAIL "AU"



DETAIL "AV"



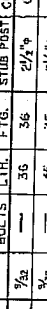
DETAIL "AW"



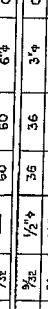
DETAIL "AX"



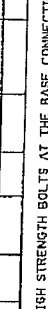
DETAIL "AY"



DETAIL "AZ"



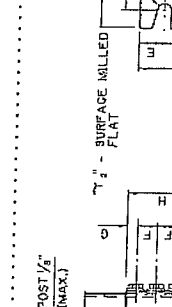
DETAIL "BA"



DETAIL "BB"



DETAIL "BC"



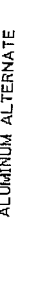
DETAIL "BD"



DETAIL "BE"



DETAIL "BF"



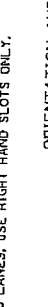
DETAIL "BG"



DETAIL "BH"



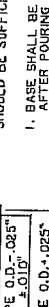
DETAIL "BI"



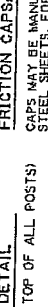
DETAIL "BJ"



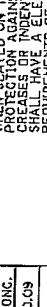
DETAIL "BK"



DETAIL "BL"



DETAIL "BM"



DETAIL "BN"



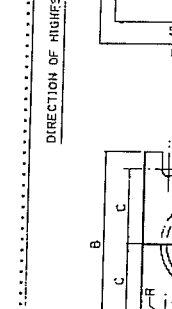
DETAIL "BO"



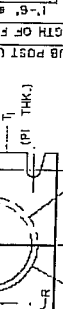
DETAIL "BP"



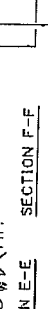
DETAIL "BQ"



DETAIL "BR"



DETAIL "BS"



DETAIL "BT"



DETAIL "BU"



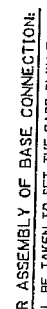
DETAIL "BV"



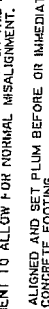
DETAIL "BW"



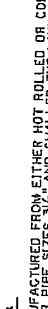
DETAIL "BX"



DETAIL "BY"



DETAIL "BZ"



DETAIL "CA"



DETAIL "CB"



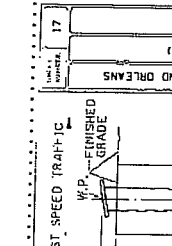
DETAIL "CC"



DETAIL "CD"



DETAIL "CE"



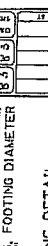
DETAIL "CF"



DETAIL "CG"



DETAIL "CH"



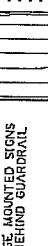
DETAIL "CI"



DETAIL "CJ"



DETAIL "CK"



DETAIL "CL"



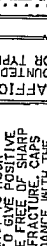
DETAIL "CM"



DETAIL "CN"



DETAIL "CO"



DETAIL "CP"



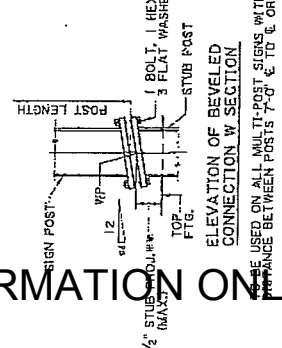
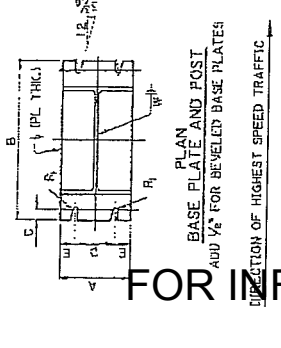
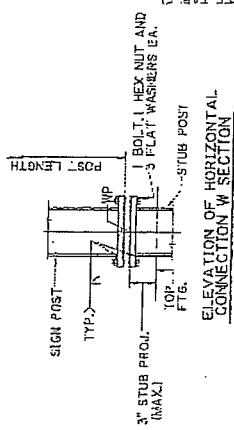
DETAIL "CQ"



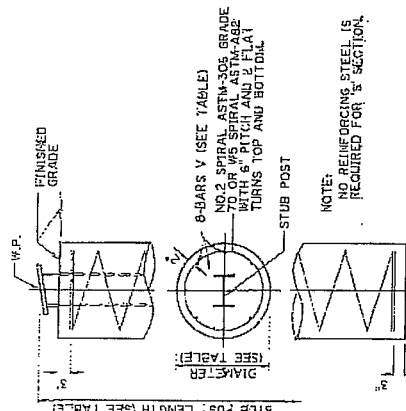
DETAIL "CR"



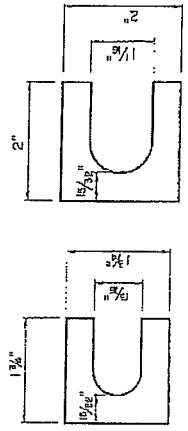
DETAIL "CS"



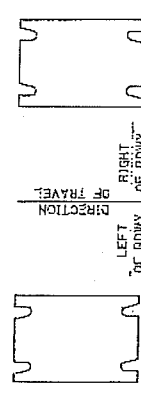
NOTE: MAINTAIN CORRECT STUB PROJECTION
NECESSARY FOR BOLTS
INSTALLATION. RECESS SHAPE TO DRAIN.



NOTE: NO REINFORCING STEEL IS
REQUIRED FOR 'S' SECTION.



NOTE: FURNISH 2 SHIMS 0.032\"/>



FOR ONE-WAY TRAFFIC LANES, FOR TWO-WAY TRAFFIC LANES, USE RIGHT HAND SLOTS ONLY.



FOR ONE-WAY TRAFFIC LANES, FOR TWO-WAY TRAFFIC LANES, USE RIGHT HAND SLOTS ONLY.

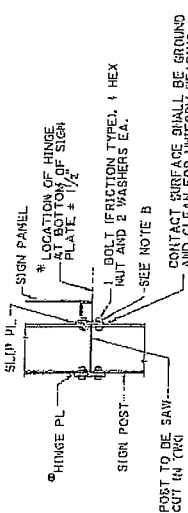
ORIENTATION AND USE OF SLOTS AND HOLES

PROCEDURE FOR ASSEMBLY OF BASE CONNECTION

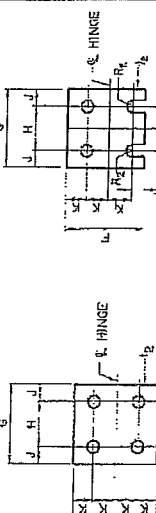
SPECIAL CARE SHALL BE TAKEN TO SET THE BASE PLUMB TO AVOID EXCESSIVE SHIMMING AT THE BREAK-AWAY FEATURE AFTER FINAL TIGHTENING. THE BREAK-AWAY FEATURE FOR WHICH SHIMS ARE DESIGNED SHOWN ON THIS DRAWING SHOULD BE SUFFICIENT TO ALLOW FOR NORMAL MISALIGNMENT.

1. BASE SHALL BE ALIGNED AND SET PLUMB BEFORE OR IMMEDIATELY AFTER POURING CONCRETE FOOTING.

2. H.S. BOLTS IN BASE PLATE SHALL BE TIGHTENED TO THE PRESCRIBED TORQUE. CARE SHALL BE TAKEN TO AVOID OVERTIGHTENING.



NOTE: WHEN SIGN IS LOCATED ON SIDE OF ROADWAY WITH TWO-WAY TRAFFIC, A SLIP PLATE WILL BE USED IN SITES OF THE POST IN LIEU OF THE HINGE PLATE SHOWN.



NOTE: BOLT HOLE DIAMETERS TO BE CRUISED TO BOLT DIA. + 1/16\"/>

SLIP PLATE CONNECTION NOTES:

1. POST SHALL BE SAW CUT OR TORCH CUT PRIOR TO GALVANIZING.
2. SLIP PLATE SHALL BE INSTALLED WITH H.S. BOLTS AT MINIMUM BOLT TENSION.
3. TIGHTENING SHALL BE OBTAINED BY:
 - (a) TURNING POST AND/OR METHOD USING LOAD INDICATOR WASHER. SEE NOTE A.
4. TIGHTENING SHALL BE TO SUCH A DEGREE AS TO OBTAIN MINIMUM TENSION INDICATED IN STANDARD SPECIFICATIONS SUBSECTION 807.2.1, CURRENT AT TIME OF FABRICATION.
5. TIGHTEN BOLTS IN A SYSTEMATIC ORDER TO THE PRESCRIBED MINIMUM BOLT TENSION.

NOTE: EACH STRENGTH BOLT IS TIGHTENED BY USE OF A DIRECT TENSION INDICATOR. THE TENSION INDICATOR FOR STRENGTH SHALL BE IN ACCORDANCE WITH SPECIFICATION FOR STRENGTHENING, SECTION 8 AND 9 FOR ASTM A-325 BOLTS APPROVED BY THE RESEARCH COUNCIL ON RIVETED AND BOLTED STRUCTURAL JOINTS. FOLLOWED BY INSPECTION AND INSPECTION PROCEDURES. CONTRACTOR SHALL BE REQUIRED TO SUBMIT BROCHURES TO THE BRIDGE DESIGN ENGINEER FOR APPROVAL.

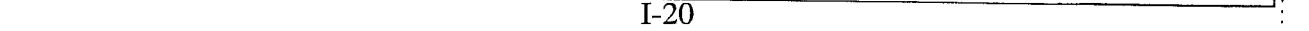
NOTE: HIGH STRENGTH BOLT IS TIGHTENED BY USE OF A DIRECT TENSION INDICATOR METHOD. THE WASHER UNDER THE BOLT HEAD SHALL BE A LOAD INDICATOR WASHER.

SECTION	DIMENSION (INCH)	BASE CONNECTION DATA										SLIP PLATE & HINGE PLATE DATA										FOOTING DATA																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
		BOLT SIZE & TORQUE LIMITS		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC	JD	JE	JF	JG	JH	JI	IJ	JK	KL	KM	KN	KO	KP	KQ	KR	KS	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG	LH	LI	LJ	LK	LM	LN	LO	LP	LQ	LR	LS	LT	LU	LV	LW	LX	LY	LZ	MA	MB	MC	MD	ME	MF	MG	MH	MI	MJ	MK	ML	MM	MN	MO	MP	MQ	MR	MS	MT	MU	MV	MW	MX	MY	MZ	NA	NB	NC	ND	NE	NF	NG	NH	NI	NJ	NK	NL	NM	NN	NO	NP	NQ	NR	NS	NT	NU	NV	NW	NX	NY	NZ	OA	OB	OC	OD	OE	OF	OG	OH	OI	OJ	OK	OL	OM	ON	OO	OP	OQ	OR	OS	OT	OU	OV	OW	OX	OY	OZ	PA	PB	PC	PD	PE	PF	PG	PH	PI	PJ	PK	PL	PM	PN	PO	PP	PQ	PR	PS	PT	PU	PV	PW	PX	PY	PZ	QA	QB	QC	QD	QE	QF	QG	QH	QI	QJ	QK	QL	QM	QN	QO	QP	QQ	QR	QS	QT	QU	QV	QW	QX	QY	QZ	RA	RB	RC	RD	RE	RF	RG	RH	RI	RJ	RK	RL	RM	RN	RO	RP	RQ	RR	RS	RT	RU	RV	RW	RX	RY	RZ	SA	SB	SC	SD	SE	SF	SG	SH	SI	SJ	SK	SL	SM	SN	SO	SP	SQ	SR	SS	ST	SU	SV	SW	SX	SY	SZ	TA	TB	TC	TD	TE	TF	TG	TH	TI	TJ	TK	TL	TM	TN	TO	TP	TQ	TR	TS	TT	TU	TV	TW	TX	TY	TZ	UA	UB	UC	UD	UE	UF	UG	UH	UI	UJ	UK	UL	UM	UN	UO	UP	UQ	UR	US	UT	UU	UV	UW	UX	UY	UZ	VA	VB	VC	VD	VE	VF	VG	VH	VI	VJ	VK	VL	VM	VN	VO	VP	VQ	VR	VS	VT	VU	VV	VW	VX	VY	VZ	WA	WB	WC	WD	WE	WF	WG	WH	WI	WJ	WK	WL	WM	WN	WO	WP	WQ	WR	WS	WT	WU	WV	WW	WX	WY	WZ	XA	XB	XC	XD	XE	XF	XG	XH	XI	XJ	XK	XL	XM	XN	XO	XP	XQ	XR	XS	XT	XU	XV	XW	XX	XY	XZ	YA	YB	YC	YD	YE	YF	YG	YH	YI	YJ	YK	YL	YM	YN	YO	YP	YQ	YR	YS	YT	YU	YV	YW	YX	YY	YZ	ZA	ZB	ZC	ZD	ZE	ZF	ZG	ZH	ZI	ZJ	ZK	ZL	ZM	ZN	ZO	ZP	ZQ	ZR	ZS	ZT	ZU	ZV	ZW	ZX
S3x5.7	1/2" T= 55-142	4	7	7/8	2	1	1/2	3/8	3/8	2 1/2	7/8	1	1 1/2	5/8	4/4	3/8	1/2	1/2	3/8	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/																																																																																																																																																																																																																																																																																																	

BASE PLATE TO POST WELD ALTERNATE (AS AN ALTERNATE TO WELDS SHOWN IN DETAILS, THE POST MEMBERS TABULATED MAY BE WELDED ALL AROUND WITH A FILLET WELD W/AL.T.)

* ALL BOLTS SHALL HAVE A MINIMUM OF 3 THREADS BEYOND THE NUT. BOLT TORQUE LIMITS ARE IN INCH POUNDS. (THE HIGH STRENGTH BOLTS AT THE BASE CONNECTION SHOULD BE TORQUED WITHIN THE LIMITS SPECIFIED, HOWEVER, THE LOWER LIMIT IS DESIRABLE. FOR NON-BREAKAWAY USE TORQUE LIMITS GIVEN IN THE STANDARD SPECIFICATIONS.





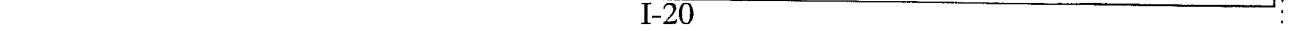
POST
(SEE TABLE)

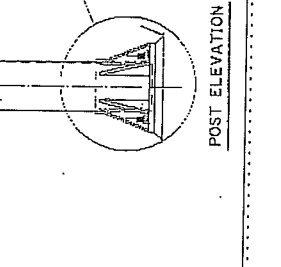
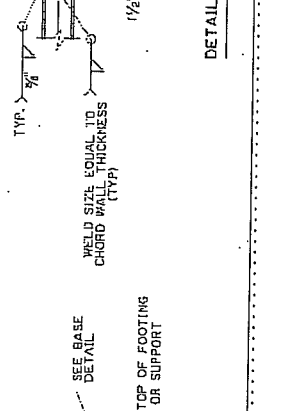
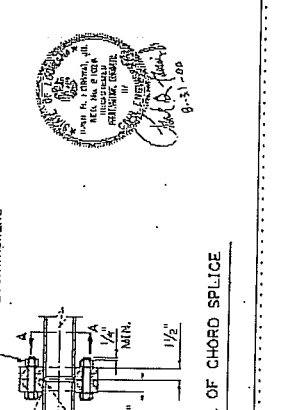
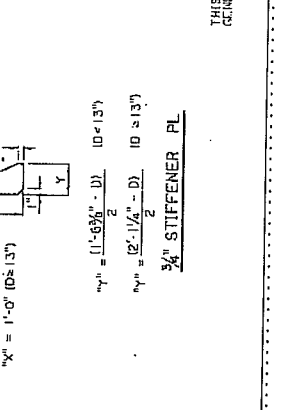
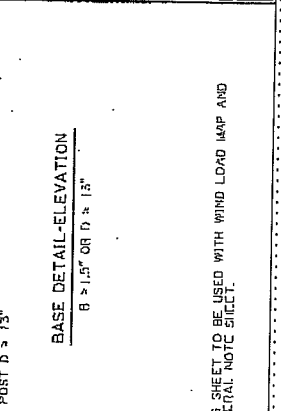
SEE DETAIL "A"
SH. 3 OF 3

POST STRUT
(SEE TABLE)

4 EQ. SPS. = 24'-0" (MAX.)

INFORMATION



[illegible]

THIS SHEET TO BE USED WITH WIND LOAD MAP AND
GENERAL NOTE SHEET.

* TIMBER PILES ARE ESTIMATED AT 40 IN LENGTH; HOWEVER, THE PROJECT ENGINEER MAY VARY THE ORDER LENGTH AS REQUIRED WITHIN THE LIMITS OF +10' AND -70'. THE MAXIMUM PILE DESIGN LOAD PER EACH PILE MAY BE TAKEN AS 15 TONS, 14 K IPLE.

TUBE OR A FULL PIPE SECTIONS PROVIDING EQUAL OR GREATER STRENGTH TO ANY MEMBER DISCONTINUED IN THE TAIL MAY BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

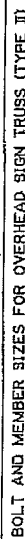
THESE DIMENSIONS MAY BE VARIED ± ONE FOOT TO ADJUST LIFT-VIA FOR SITE CONDITIONS. ADJUST BARS 40' & 60' ACCORDINGLY.

5. NO. 601 BARS MAY BE MOVED TO CLEAR TRUSS ANCHOR BOLTS.

FOR ANCHOR BOLT INFORMATION, SEE GENERAL NOTE 18.

NOTE: SHIP TO BE USED WITH WIND LOAD MAP AND GENERAL HOE SHEET.

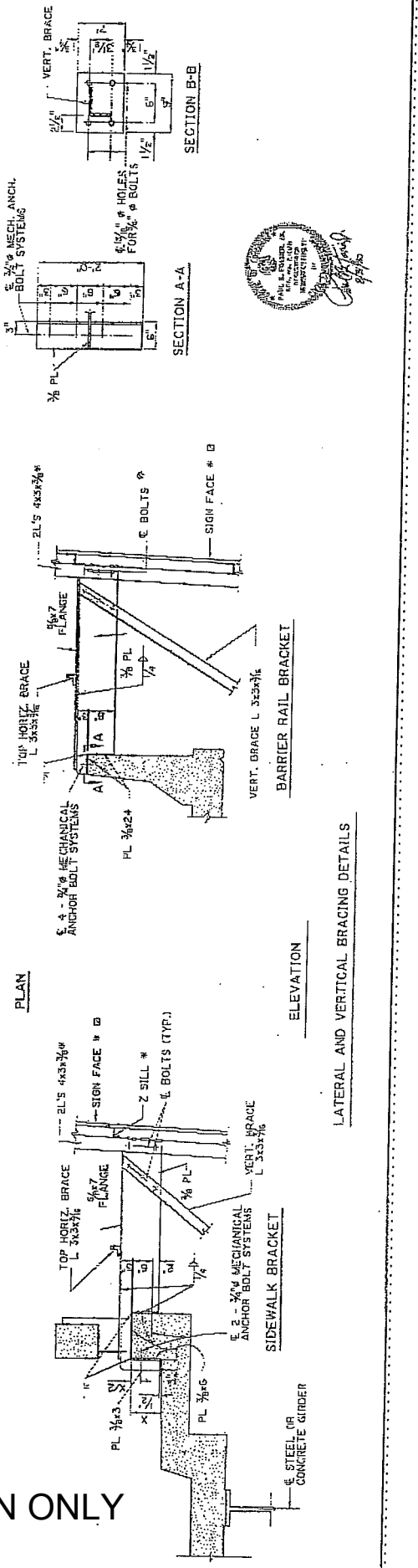
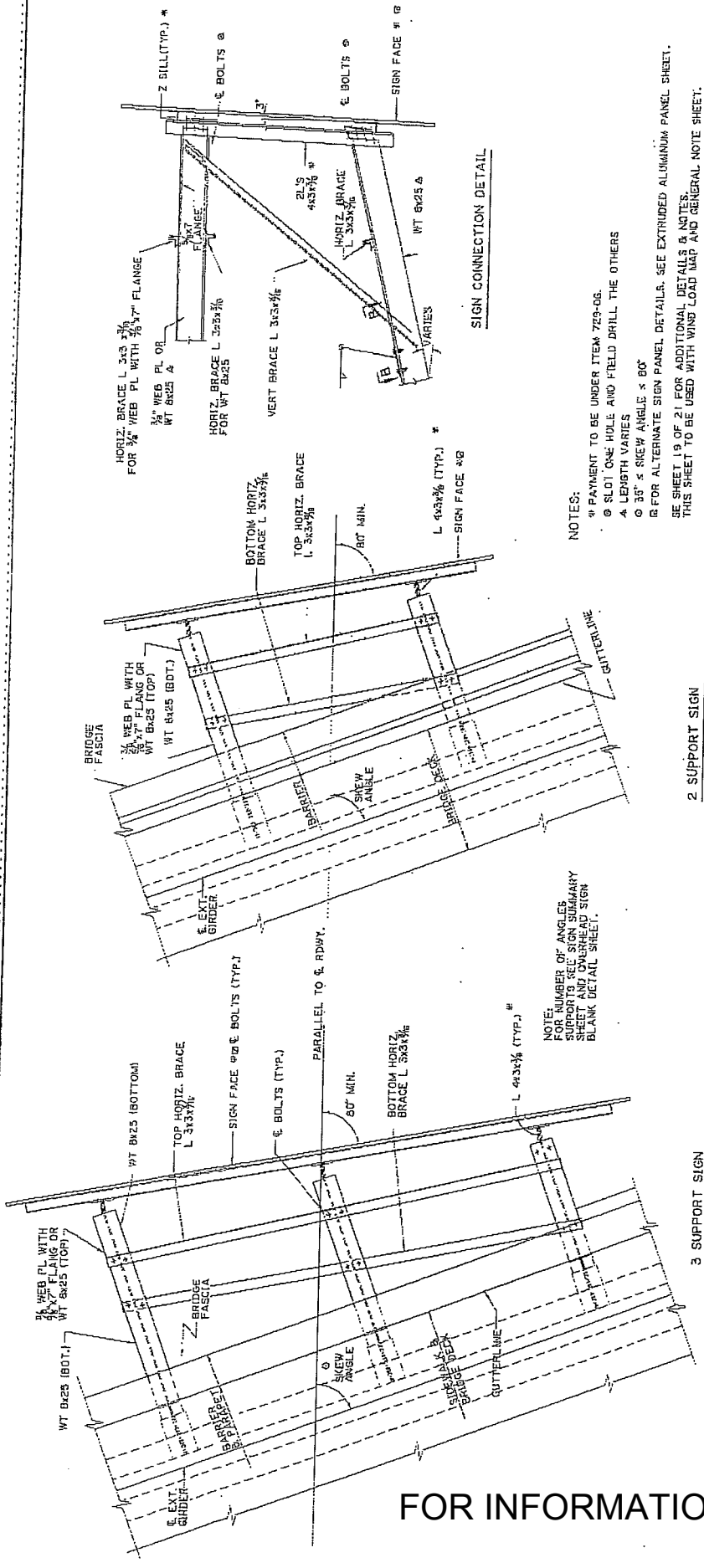
ANCHOR BOLTS SHALL BE FURNISHED IN A POSITIONED ANCHOR JOINT ASSEMBLY.
(TWO TEMPLETS REQUIRED)



⑥ EXACT LENGTH AND LOCATION SUBJECT TO FIELD MEASUREMENTS BY CONTRACTOR.
⑦ MEMBER DIA. (IN.) X MEMBER THICKNESS (IN.)

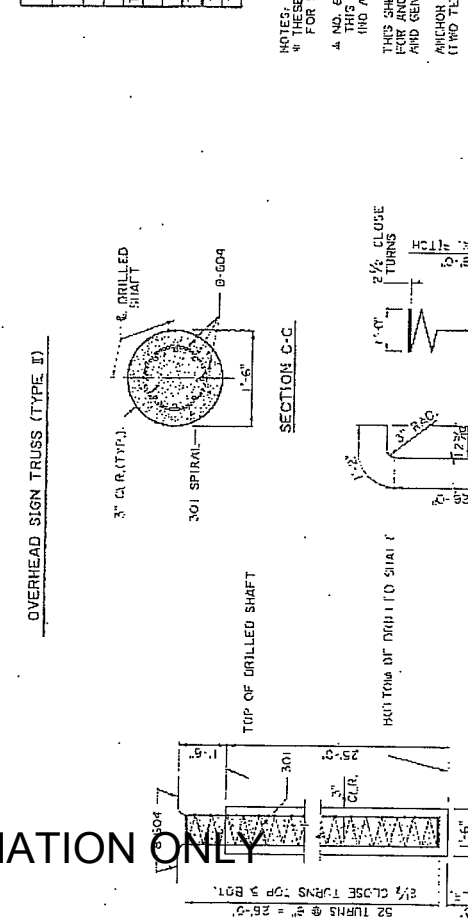
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FOR INFORMATION ONLY

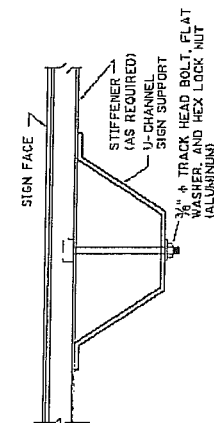


ESTIMATED QUANTITIES (ONE DRILLED SHAFT)				
BAR	NO.	UNIT LENGTH	TOTAL LENGTH	LOCATION
604	8	27'-2"	217'-4"	DRILL HD SHAFT
TOTAL NO. 6 BARS = 217'-4"			=	326 LBS.
301	1	55'-3 1/2"	55'-3"	SPIRAL
TOTAL NO. 3 BARS = 55'-3"			=	3 LBS.
TOTAL DEFORMED REINFORCING STEEL =				329 LBS.
TOTAL CLASS 3 CONCRETE =				1.64 CU.YDS.

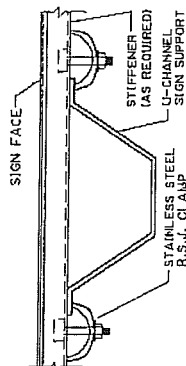
1. DIMENSIONS MAY VARY 1/8" DOME FOOT TO ADJUST ELEVATION
SITE CONDITIONS, ADJUST BARS 401 & 501 ACCORDINGLY.
2. BARS MAY BE MOVED TO CLEAR TRUSS ANCHOR BOLTS.
3. DRILLED SHAFT ALTERNATE IS ALLOWED IN LIEU OF THREE PILES
4. ADDITIONAL COST TO DTD.
5. SET IS A SUPPLEMENT TO PLAIN SHEET NO. 1.
6. FOR BOLT DETAILS, SEE TYPE II TRUSS & CANTILEVER DETAIL 5,
SEVERAL NOTES.
7. BOLTS SHALL BE FURNISHED IN A PREPOSITIONED ANCHOR BOLT ASSEMBLY,
WELTS REQUIRED!



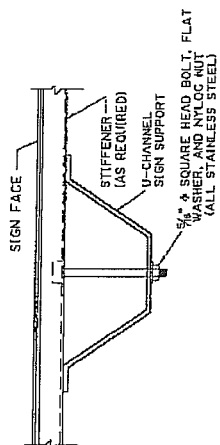
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SINGLE AND MULTIPLE STIFFENER



SINGLE AND MULTIPLE STIFFENER
(SIGN-FIX ALTERNATE)



MULTIPLE - STIFFENER
OPTIONAL SIGN-FIX ALTERNATED

MOUNTING DETAIL (U-CHANNEL POST)

MISCELLANEOUS NOTES:

U-CHANNEL POST USE WILL BE LIMITED TO A TOTAL SIGN AREA OF LESS THAN 6.4 SQUARE FEET PER POST AND WITH A CENTROID LESS THAN 8" FROM THE GROUND.

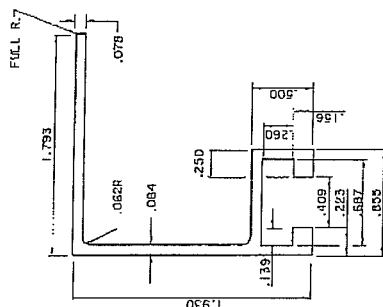
U-CHANNEL POSTS SHALL BE AT LEAST 3 POUND PER FOOT FLANGED CHANNEL STEEL FABRICATED FROM STEEL CONFORMING TO A.S.T.M. A-499, GRADE 60. HOLES $\frac{3}{8}$ " IN DIAMETER SHALL BE PUNCHED THROUGH EACH POST ON ONE (1) INCH CENTERS ALONG THE CENTERLINE OF THE POST FOR ITS FULL LENGTH.

U-CHANNEL POSTS SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH A.S.T.M. A-123

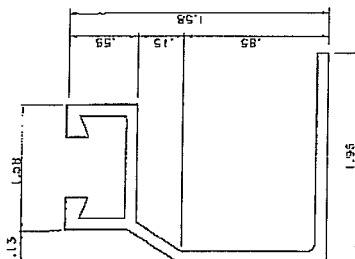
U-CHANNEL POSTS FOR GROUND MOUNTED SMALL DESIGNS SHALL BE DRIVEN TO A DEPTH OF 3 FEET BELOW NATURAL GROUND USING A SUITABLE PROTECTIVE DRIVING CAP AND SHALL BE VERTICAL. THE CONTRACTOR SHALL MARK THE DATE OF FABRICATION, SHEETING MANUFACTURER, PRODUCT CODE, AND SIZE OF SIGN ON THE BACK OF EACH SIGN WITH AN APPROVED WEATHER RESISTANT PAINT STICK. MARK SHALL BE 2" MINIMUM HEIGHT ON MULTI-POST SIGNS.

STIFFENERS SHALL BE ALUMINUM EXTRUSIONS AS DETAILED ON THIS SHEET, UNLESS OTHERWISE NOTED.

MOUNTING CLAMP REQUIRED AT EACH HORIZONTAL STIFFENER.



EXTRUSION STIFFENER



LARGE CORNER ANGLE EXTRUSION
SIGN FIX ALTERNATE TO EXTRUSION STIFFENER

29	SAC - HARRIS	JEFFERSON AND DREAMS CR-CP; (08B) FBI-WASH DC	STEWART E. DANIEL JULY 7, 2000 AUGUST 1, 1981	DATE	RECEIVED DESTRUCTION	PAGE	 <p>TRAFFIC SIGNS INCIDENTAL TO MAIN PROJECT USING U-CHANNEL POST</p>  <p>BRIDGE AND STRUCTURAL UNIT</p>	



- All temporary Traffic Control Devices used shall be in accordance with the L&O 210 Standard Specifications for Signs and Markings, the Manual on Uniform Traffic Control Devices (MUTCD), and shall meet the National Cooperative Highway Research Program (NCHRP) 350 for Test Level 3 requirements.
- Materials used for Temporary Traffic Controls shall be in accordance with the L&O 210 Standard Specifications for Signs and Markings, the Manual on Uniform Traffic Control Devices (MUTCD), and shall meet the National Cooperative Highway Research Program (NCHRP) 350 for Test Level 3 requirements.
- No temporary traffic controls shall be erected without the approval of the Project Engineer and all work is about to begin, unless they are covered.
- No lane closures, lane shifts, diversions, or detours shall occur without the authorization of the Project Engineer.
- Responsibility is hereby placed upon the contractor for the installation, maintenance, and operation of all temporary traffic control devices called for in these plans or required by the Project Engineer for the protection of the traveling public as well as all Department and construction personnel.
- The contractor shall also be responsible for the maintenance of all permanent signs and pavement markings left in place as assembled to the safe movement and guidance of traffic within the project limits.
- The District Traffic Operations Engineer (DTOE) shall serve as a technical advisor to the Project Engineer for all Traffic Control matters.
- "Road Work XX AHEAD" sign shall be required on all projects and located at the beginning of the project unless otherwise noted. The sign shall be a minimum 36" x 60" unless otherwise noted.
- When used for lane closures or lane shifts in which the road shall be returned to full public use within 14 hours or less may be used on NCHRP350 approved portable sign frames.

CHANNELIZING DEVICES

- The following devices may be used:
 - Tubular Members, Vertical Panels, Cones, Drums, and Super Cones.
 - Drums (at standard spacing) and Super Cones (at 200' standard spacing) are the only devices allowed to be used in taper areas on the interstate system during daylight hours. Only drums can be used in taper areas during night operations.
 - The spacing of channelizing devices in a taper should not exceed a distance in feet equal to 1.0 times the posted speed limit in mph (with a minimum of 50 feet).
 - The spacing of channelizing devices in a longest should not exceed a distance in feet equal to 2.0 times the posted speed limit in mph with a maximum of 100 feet unless otherwise noted.
 - Retroreflective material patterns used on super cones shall match that used on drums.
 - 28" traffic cones are not allowed on: 1) Interstates, 2) Highways with speeds greater than 40 mph. During night time operations, 1) 28" and 36" cones are not allowed, 2) drums are the only device allowed in the taper.

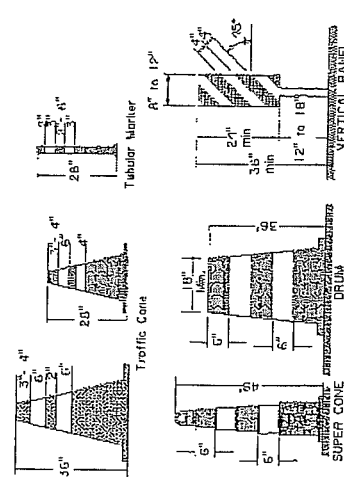
PAVEMENT MARKINGS (see OPL)

- All pavement markings within the limits of the project that are in conflict with the project signing or the required traffic operations shall be removed from the pavement by laser, chipping, or grinding (chipping and grinding shall not be permitted over white block 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 (RPMs) may be added to supplement temporary striping in areas of transition in taper, in detours, and in other areas of need as dictated by the Project Engineer.
- Materials and placement of temporary pavement markings shall conform to section 713 of the Standard Specifications. If no pay item exists, temporary markings will be considered incidental to traffic control.

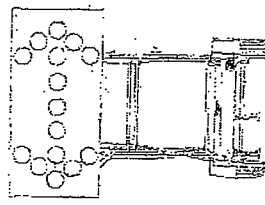
- When used for temporary traffic controls shall follow the Department's Traffic Control (TC) details and the MUTCD. Signs shown in the TC illustrations are typical and may vary with each specific condition.
- More appropriate signing for a specific condition may be required or substituted with the approval of the Project Engineer and reviewed by the District Traffic Operations Engineer.
- When projects are separated by less than one mile, they shall be signed as one project.
- At no time shall signs warning against a particular operation be left in place once the operation has been completed or where the obstacle has been removed.
- Signs over 13 sq ft shall be mounted on two post and signs over 20 sq ft shall be mounted on at least three post.
- Signs shall have a minimum of two bolts per post.
- Permanent signs no longer applicable or in conflict shall be removed or covered with a storm, lightweight, opaque material.
- Warning signs used for temporary traffic control shall meet the following guidelines unless otherwise noted in the plans:
 - (A) size shall be 48" x 48"
 - (B) see the Department's Standard Specifications and the OPL for flashing information, (C) a minimum of 1" x 2" U-Channel post may be used driven to a minimum depth of 5'; (D) sign height shall be a minimum of 5' above the roadway surface unless there is a concern for pedestrian or bicycle traffic in which it shall be a minimum of 7'; (E) lateral distance of signs shall be a minimum of 5' from the edge of shoulder or edge of pavement if no shoulder exists and 2' from the back of curb in urban areas.
- Vinyl Roll Up signs will be allowed for short term uses (less than 12 hours) daytime work provided that lines meet all size, color, retroreflectivity requirements, and NCHRP 350.
- Mesh rollup signs shall not be allowed on any project.
- All signs shall be removed or covered when no longer applicable.
- Contractor shall use caution not to damage existing signs which remain in place. Any DOTD signs damaged by work operations shall be replaced.

CHANNELIZING DEVICES

- The following devices may be used:
 - Tubular Members, Vertical Panels, Cones, Drums, and Super Cones.
 - Drums (at standard spacing) and Super Cones (at 200' standard spacing) are the only devices allowed to be used in taper areas on the interstate system during daylight hours. Only drums can be used in taper areas during night operations.
 - The spacing of channelizing devices in a taper should not exceed a distance in feet equal to 1.0 times the posted speed limit in mph (with a minimum of 50 feet).
 - The spacing of channelizing devices in a longest should not exceed a distance in feet equal to 2.0 times the posted speed limit in mph with a maximum of 100 feet unless otherwise noted.
 - Retroreflective material patterns used on super cones shall match that used on drums.
 - 28" traffic cones are not allowed on: 1) Interstates, 2) Highways with speeds greater than 40 mph. During night time operations, 1) 28" and 36" cones are not allowed, 2) drums are the only device allowed in the taper.



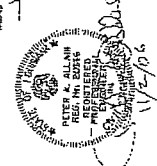
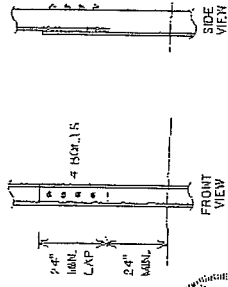
- When working within the traveled way, including shoulders and regularly spaced, changeable message signs (CMS) shall be used on all Interstate Highways and on all other roadways (where space is available) with on ADT greater than 20,000 and should be delineated with retroreflective TTC devices. CMS will be paid for by each.
- When used in advance of a lane closure or a lane shift, the CMS 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 1/2 mile for other roadways.
- If vehicles are queuing beyond the 2 mile mark, an additional CMS should be placed on the right hand side of the road approximately 5 miles in advance of the taper for Interstates.
- CMS messages shall be approved by the District Traffic Operations Engineer (DTOE).
- When Portable Changeable Message signs are not being used, they should be removed. If not removed, they should be shielded by guardrail or barriers or if the previous two options are not feasible, they should be delineated with retroreflective TTC devices.



- Flashing Arrow Panels shall be used for lane closures on all facilities with 2 or more lanes in a single direction on all speed limit greater than 35 mph.
- When used, flashing arrow panels should be located on the shoulder at the beginning of the taper.
- Where the shoulder width is limited, the flashing arrow panel should be placed within the closed lane as close to the beginning of the taper as practical.
- All Flashing Arrow Panels used on high speed roadways (45 mph and greater) shall be 4' x 8' Type C.
- When Flashing Arrow Panels are used, they should be shielded by guardrail or barriers, or if the previous two options are not feasible, they should be delineated with retroreflective TTC devices.

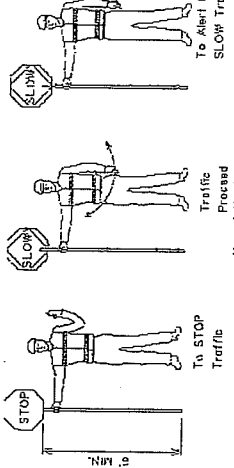
LIGHTING (see OPL)

- When used for overnight closures, lighting shall supplement all barricades that are placed in a closed lane or that extend across a highway. Two Type B High Intensity Lights shall be used per lane closed in rural areas. In urban areas two Type A Low Intensity Lights may be used where adequate ambient lighting is available.
- One Type B High Intensity Light shall be used to supplement the first sign for pair of signs that gives warning about a lane closure during night time operations.
- Type C steady burn lights shall be used on all channelizing devices in the taper as well as the first two devices in the taper, for night use.
- ALLOWABLE LAP SPICE FOR U-CHANNEL POST
 - U-Channel posts may be spaced 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 splice section shall be secured with at least four 1/2 inch diameter hex bolts spaced equally along the splice.



FLAGGERS

- All flaggers must be qualified. The contractor shall be responsible for training and ensuring that all flaggers are qualified in performing flagging duties. A certificate indicating completion of a flagger training course shall be available to the engineer if requested. A Qualified Flagger is one that has attended course such as those offered by the American Traffic Safety Services Association (ATSSA) or other courses approved by the Louisiana DOTD's Work Zone Tech Center.
- When utilized, a flagger shall use a minimum 18 inch sign on a minimum 6' step-down posts and wear ANSI Class 2 vest during day time operations and ANSI Class 3 assembly during night operations. In all flagging operations, the flagger must be visible from flagger advance warning sign. Flaggers shall be properly trained.



TYPE III BARRICADES

- All barricades shall use Type 3 High Intensity Channeling on both sides of the barricade.
- All Type III Barricades shall be a minimum of 8 feet in length and must meet NCHRP 350 requirements.
- When signs and lights are to be mounted to a barricade, they must meet NCHRP 350 requirements.

MUTCD Website:







http://mutcd.fhwa.dot.gov/

SPEED LIMIT (see note 5)	Approximate Sign Spacing		
	"A"	"B"	"C"
35 mph	500'	100'-200'	14'A
45 mph	1050'	100'-200'	500'
55 mph	1500'	200'-300'	500'

SIGN SPACING TO BE ADJUSTED
FOR HORIZONTAL & VERTICAL CURVES.

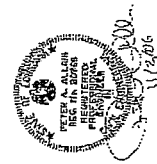
- b. ANY SIGNS IN CONFLICT WITH THE CONTRACTOR, SIGNING SHALL BE REMOVED OR COVERED BY THE CONTRACTOR.
- c. MINIMUM CONSTRUCTION SIGNING, ANY ADDITIONAL SIGNS SHOWN IN THE "WARRANT ON UNDERGROUND UTILITIES" SHALL BE REMOVED BY THE PROJECT ENGINEER SHALL BE INSTALLED UNDER THEIR 10' FOOT.
- d. TYPE III BARRICADES SHALL BE PLACED IN THE CLOSED LANE AT A 100' INTERVAL WHERE NO ACTIVE WORK IS ON GOING AND BE AT LEAST 10' FROM THE END OF THE CLOSED LANE. TYPE III BARRICADES ARE ALSO REQUIRED BEFORE EACH OR GROUP OF UNPAVED LANES FILLED WITH TEMPORARY MATERIAL, OR WHERE UNPAVED CONCRETE EXPOSED.

LEGEND

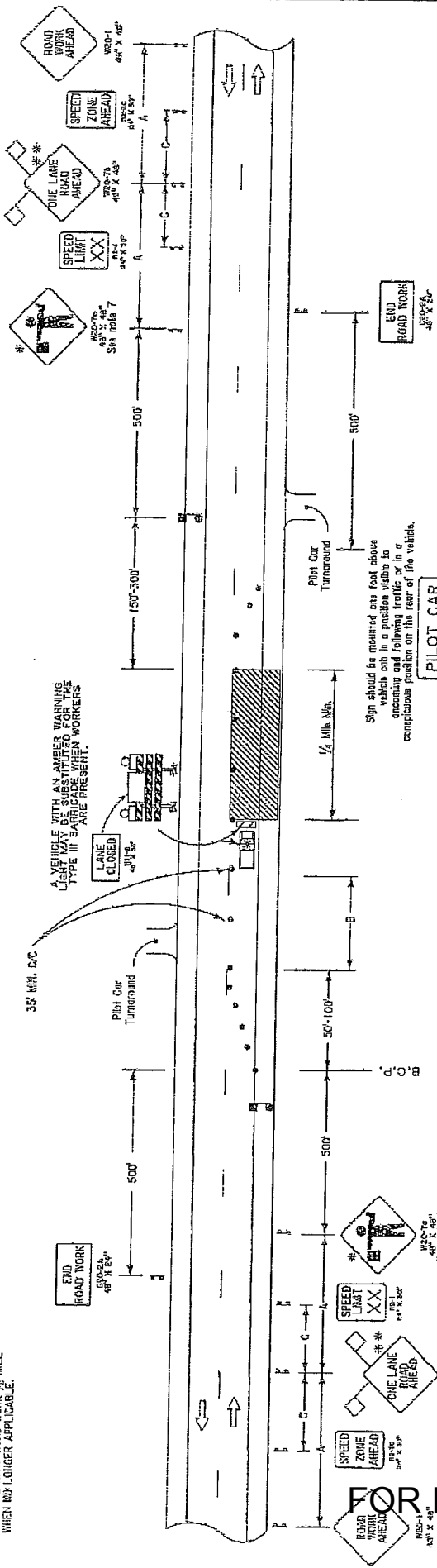
- | | |
|---|----------------------|
|  | Traffic Sign |
|  | Flagger |
|  | Channelizing Devices |
|  | Type III Barricades |
|  | Work Area |
|  | Type B Light |

NOTES
THIS SHEET SHALL BE USED WITH THE "TEMPORARY
TRAFFIC CONTROL GENERAL NOTES SHEET (TC-001)".

1. CONDITIONS REPRESENTED ARE FOR WORK WHICH REQUIRES CLOSING TRAFFIC LANES DURING DAYLIGHT HOURS ONLY. PORTABLE SIGNS MAY BE USED FOR WORK LASTING LESS THAN 3 DAYS.
2. WHEN A WORK AREA HAS BEEN ESTABLISHED ON ONE SIDE OF THE ROADWAY ONLY, THERE SHALL BE NO PARKING ON THE OPPOSITE SHOULDER WITHIN 100 FEET OF THE WORK AREA.
3. CHANNELIZING DEVICES MAY BE PLACED UP TO 2' BEYOND CENTERLINE ONLY AT SPECIFIC LOCATIONS WHERE ACTUAL WORK ACTIVITY IS TAKING PLACE. A 1' MINIMUM TRAVELED LANE SHOULD BE MAINTAINED WHERE PRACTICAL. CHANNELIZING DEVICES SHALL BE RETURNED TO THE CENTERLINE WHEN THE WORK ACTIVITY HAS PASSED.
4. SPACING OF CHANNELIZING DEVICES IN THE TAPER SHOULD BE NO MORE THAN 20'. A MINIMUM OF 3 CHANNELIZING DEVICES ARE TO BE USED IN THE TAPER.
5. SPEED LIMIT REFERS TO THE LEGALLY ESTABLISHED SPEED LIMIT BEFORE CONSTRUCTION.
6. 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.
7. VISUAL OR RADIO CONTACT SHALL BE REQUIRED BETWEEN FLAGGERS AT ALL TIMES. THE FLAGGER SHALL BE VISIBLE FROM FLAGGER SIGN.



- * REMOVE OR COVER WHEN NO LONGER APPLICABLE.
- ** REPLACE WITH "ROAD WORK 1/2 MILE" WHEN NO LONGER APPLICABLE.



NOTES:
THIS SHEET SHALL BE USED WITH THE "TEMPORARY TRAFFIC CONTROL GENERAL NOTES SHEET ITS-001".

1. WHEN A WORK AREA HAS BEEN ESTABLISHED ON ONE SIDE OF THE ROADWAY ON THE OTHER SIDE, THERE SHALL BE A MINIMUM OF 500 FEET OF THE OPPOSITE SHOULDER.
2. CHANNELIZING DEVICES MAY BE PLACED UP TO 2' BEYOND CENTERLINE ON EITHER SIDE OF THE ROADWAY. WHEN ACTUAL WORK ACTIVITY IS TAKING PLACE, A 10' MINIMUM TRAVELED LANE SHOULD BE MAINTAINED WHERE PRACTICAL. CHANNELIZING DEVICES SHALL BE RETURNED TO THE CENTERLINE WHEN THE WORK ACTIVITY HAS PASSED.
3. SPACING OF CHANNELIZING DEVICES IN THE TAPER SHOULD BE NO MORE THAN 10'. A MINIMUM OF 5 CHANNELIZING DEVICES ARE TO BE USED IN THE TAPER.
4. SPEED LIMIT REFERS TO THE LEGALLY ESTABLISHED SPEED LIMIT BEFORE CONSTRUCTION.
5. 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.
6. WITH THE APPROVAL OF THE ENGINEER, THE LENGTH OF THE WORK AREA MAY, FOR A SHORT DURATION, BE CHANGED TO AS MUCH AS ONE-HALF MILE MAXIMUM TO IMPROVE THE SIGHT DISTANCE TO THE FLAGGER. VISUAL OR RADIO CONTACT SHALL BE MAINTAINED BETWEEN THE FLAGGERS AT ALL TIMES.
7. FOR PROJECTS IN RURAL AREAS THE DISTANCE BETWEEN FLAGGERS SHALL NOT EXCEED 2.5 MILES FOR A.D.T. (AVERAGE DAILY TRAFFIC) OF LESS THAN 2,500 AND 2.0 MILES FOR A.D.T. FROM 2,500 TO 5,000. DISTANCE BETWEEN FLAGGERS SHALL NOT EXCEED 1.5 MILES FOR A.D.T. GREATER THAN 5,000 VEHICLES.

PILOT CAR
FOLLOW ME
35" X 16"
G22-4

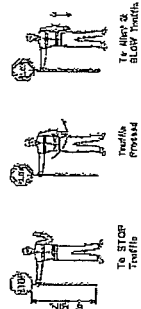
8. THE CONTRACTOR MAY EXTEND THE LANE CLOSURE AN ADDITIONAL 1.0 MILE UNDER THE FOLLOWING PROVISIONS:
 - (a) THE LANE CLOSURE EXTENSION IS PERMITTED ONLY DURING NON-PEAK HOURS.
 - (b) SINCE THE TRAFFIC CONTROL DEVICES HAVE BEEN PLACED TO EXTEND THE LANE CLOSURE, THE TRAFFIC CONTROL DEVICES AT THE BEGINNING OF THE TRAFFIC CONTROL SHALL BE MOVED DOWNSTREAM TO LIMIT THE WORK AREA TO THE DISTANCE DEFINED IN NOTE 7.
9. ANY SIGNS IN CONFLICT WITH CONSTRUCTION SIGNING SHALL BE REMOVED OR COVERED.
10. MINIMUM CONSTRUCTION SIGNING: ANY ADDITIONAL SIGNS SHOWN IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND REQUIRED BY THE PROJECT ENGINEER SHALL BE INSTALLED UNDER ITEM 713-01.
11. USUAL OR RADIO CONTACT SHALL BE REQUIRED BETWEEN FLAGGERS AT ALL TIMES. THE FLAGGER SHALL BE VISIBLE FROM FLAGGER SIGN.
12. TYPE III BARRICADES SHALL BE PLACED IN THE CLOSED LANE AT A 100' INTERVAL. WHEN THE LANE CLOSURE IS EXTENDED, THE LANE MUST REMAIN CLOSED. TYPE III BARRICADES ARE ALSO REQUIRED TO BE FILLED WITH UNFILLED HOLES OR HOLES FILLED WITH TEMPORARY MATERIAL, OR WHERE UNCURD CONCRETE EXISTS.
13. IF THE CONTRACTOR IS REQUIRED TO USE A PILOT CAR, HE IS NOT REQUIRED TO HAVE CHANNELIZING DEVICES IN THE TANGENT SECTION, IF NOT REQUIRED, THE CONTRACTOR CAN USE EITHER A PILOT CAR OR CHANNELIZING DEVICES.

SPEED LIMIT (See note 4)	Approximate Sign Spacing		
	"A"	"B"	"C"
35 mph	500'	100'-200'	N/A
45 mph	1000'	100'-200'	500'
55 mph	1500'	200'-300'	800'

PILOT CAR SHALL BE USED TO GUIDE A QUEUE OF VEHICLES THROUGH THE TEMPORARY TRAFFIC CONTROL OR DETOUR. IT SHALL BE USED IN RESTRICTED VISIBILITY OPERATIONS SUCH AS NIGHTTIME, FOG, RAIN, CHIP SEALS, OR OPERATIONS IN HILLY OR CURVY TERRAIN. PILOT CARS CAN NOT SEE EACH OTHER (REQUIRE A CLEAR LINE-OF-SIGHT). PILOT CARS ARE NOT REQUIRED IN CONFINED OPERATIONS SUCH AS STRIPING OR OTHER LIMITED LANE CLOSURE OPERATIONS LESS THAN 250' (i.e., CROSS DRAIN INSTALLATIONS UNLESS THERE ARE MULTIPLE CROSS DRAINS WITH A CONTINUOUS LANE CLOSURE). THE OPERATION OF THE PILOT VEHICLE SHALL BE COORDINATED WITH FLAGGER OPERATIONS OR OTHER CONTROLS AT EACH END OF THE ONE-LANE SECTION.

FLAGGERS

WHEN UTILIZED, A FLAGGER SHALL USE A MINIMUM 18 INCH SIGN ON A MINIMUM 8' STOP/ SLOW PADDLE AND WEAR ANSI CLASS 2 VEST DURING DAY OPERATIONS AND ANSI CLASS 3 ENSEMBLE DURING NIGHT OPERATIONS. IN ALL FLAGGING OPERATIONS, THE FLAGGER MUST BE VISIBLE FROM FLAGGER ADVANCE WARNING SIGN. FLAGGERS SHALL BE PROPERLY TRAINED.

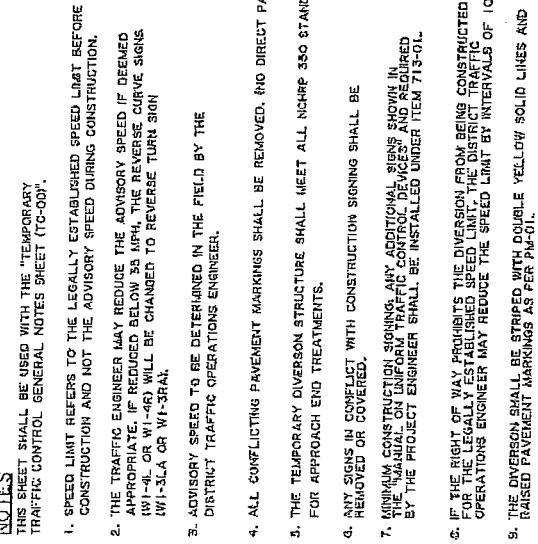


LEGEND

- Traffic Sign
- Flagger
- Channelizing Devices
- Type III Barricade
- Work Area
- Type B Light

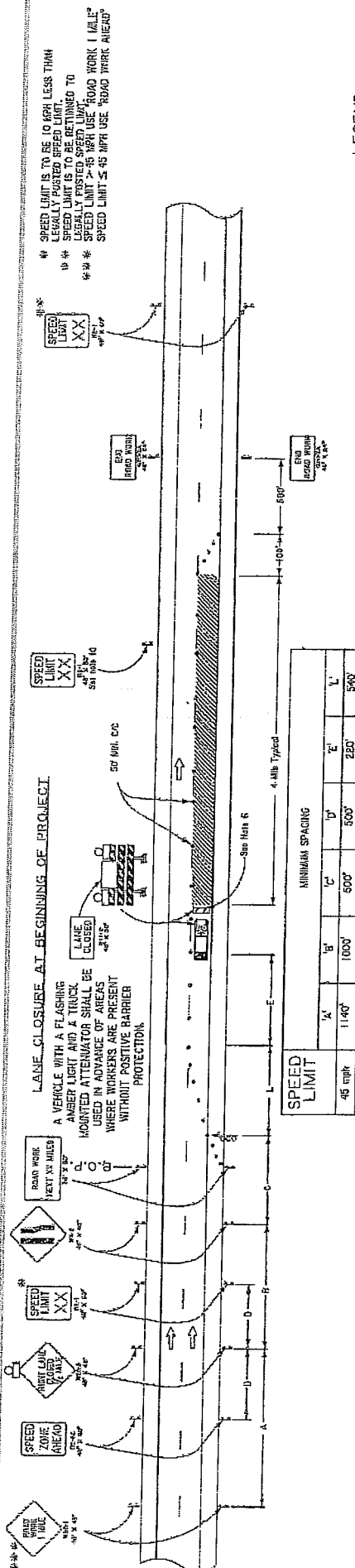


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SPEED LIMIT		Approximate Sign Spacing
	35 mph	'4'
	≥ 45 mph	500' 1000'

FOR INFORMATION ONLY

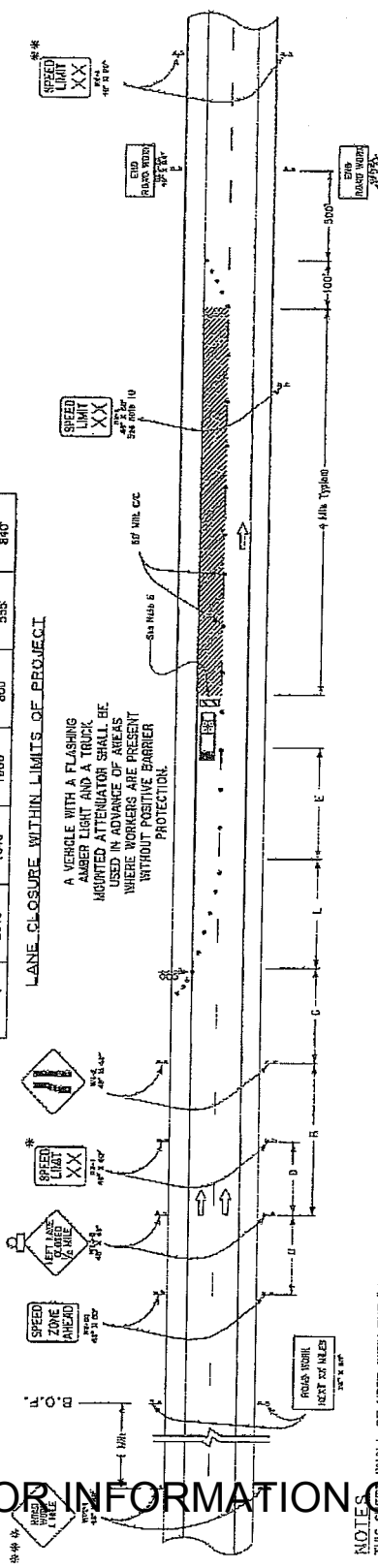


MINIMUM SPACING

SPEED LIMIT	A'	B'	C'	D'	E'	L'
45 mph	1140'	1000'	500'	500'	220'	540'
55 mph	2840'	1640'	1000'	800'	335'	660'
60 mph	2840'	1640'	1000'	800'	415'	720'
65 mph	2840'	1640'	1000'	800'	485'	780'
70 mph	2840'	1640'	1000'	800'	555'	840'

LANE CLOSURE WITHIN LIMITS OF PROJECT

A VEHICLE WITH A FLASHING AMBER LIGHT AND A TRUCK MOUNTED ATTENUATOR SHALL BE USED IN ADVANCE OF AREAS WHERE WORKERS ARE PRESENT WITHOUT POSITIVE PROTECTION.



NOTES

THIS SHEET SHALL BE USED WITH THE "TEMPORARY TRAFFIC CONTROL GENERAL NOTES SHEET (TC-00)".

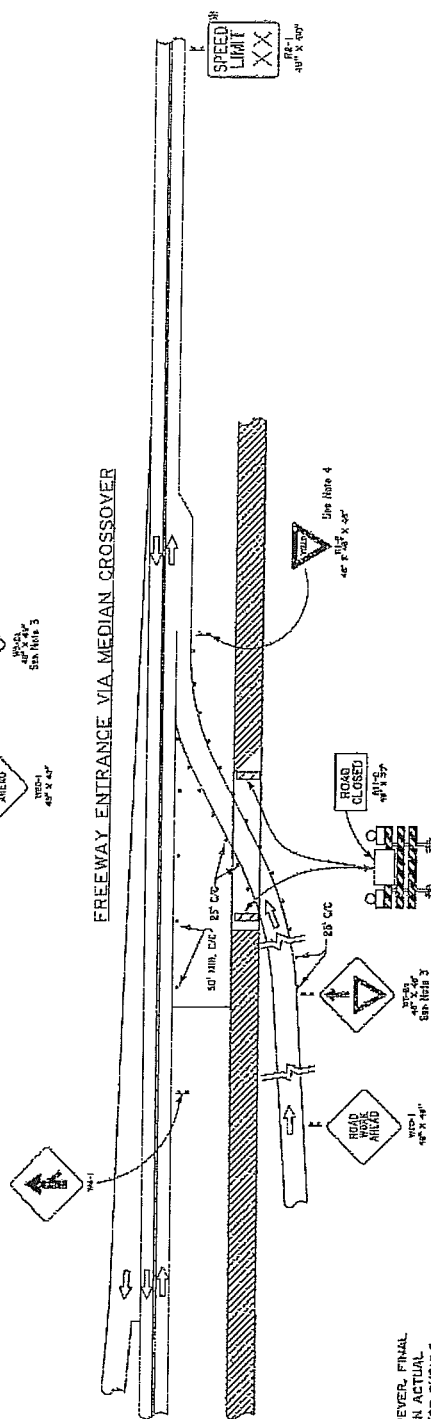
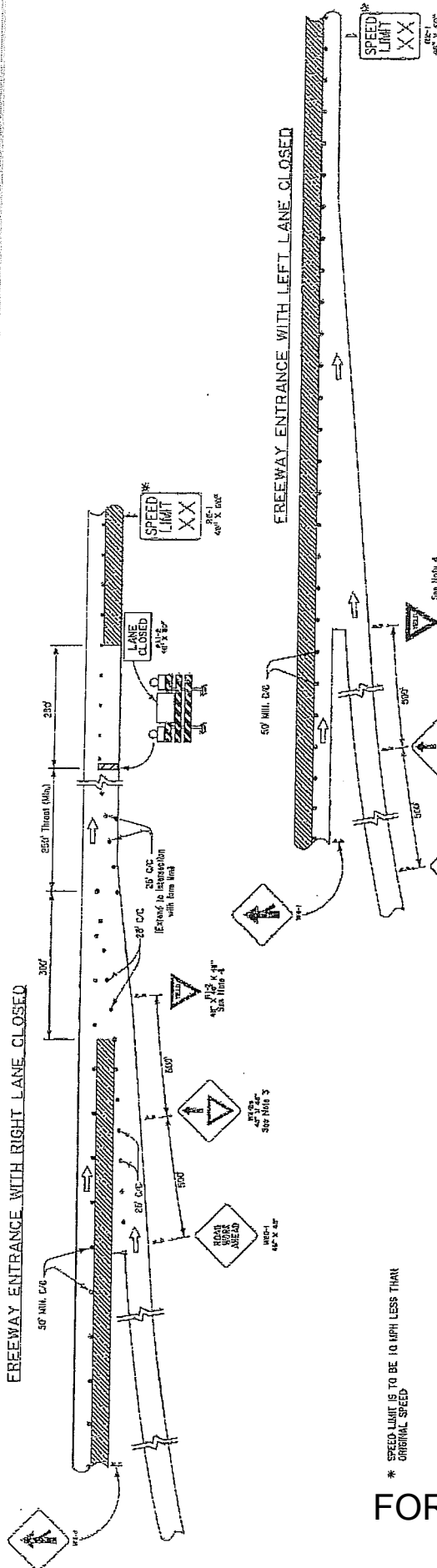
1. SPEED LIMIT REFERS TO THE LEGALLY ESTABLISHED SPEED LIMIT BEFORE CONSTRUCTION.
2. WHEN DOING ANY INTERSTATE WORK, A MINIMUM OF TWO DYNAMIC MESSAGE SIGNS PER DIRECTION SHALL BE PLACED IN ADVANCE OF THE LANE CLOSURE. GUIDANCE AS TO PLACEMENT IS SHOWN ON TC-03; HOWEVER, SPECIFIC DISTANCES TO BE SET BY THE PROJECT ENGINEER.
3. DOWNSTREAM TAPERS SHALL BE 100' PER LANE WITH CHANNELIZING DEVICES SPACED AT A SPACING OF 20'.
4. TYPE II BARRICADES SHALL BE PLACED IN THE CLOSED LANE AT A 1000' INTERVAL, WHERE NO ACTIVE WORK IS ON GOING AND THE LANE MUST REMAIN CLOSED. TYPE II BARRICADES SHALL ALSO BE REQUIRED BEFORE EACH OR GROUP OF UNFILLED HOLES OR HOLES FILLED WITH TEMPORARY MATERIAL, OR WHERE UNCLERED CONCRETE EXISTS.
5. IF A RAMP ENTRANCE OR EXIT TAPER FALLS WITHIN THE WORK AREA, REFER TO STANDARD ROAD PLANS TC-08 AND TC-03 FOR TRAFFIC CONTROL DETAILS.
6. A VEHICLE WITH A FLASHING AMBER LIGHT AND A TRUCK MOUNTED ATTENUATOR SHALL BE USED IN ADVANCE OF AREAS WHERE WORKERS ARE PRESENT WITHOUT POSITIVE PROTECTION.

7. CHANNELIZING DEVICES MAY ENCLOSE UP TO 2 FEET FROM CENTERLINE INTO THE OPEN LANE ONLY AT SPECIFIC LOCATIONS WHERE ACTUAL WORK ACTIVITY IS TAKING PLACE. CHANNELIZING DEVICES SHALL BE RETURNED TO THE CLOSED LANE WHEN THE WORK ACTIVITY HAS PASSED, IN NO CASE SHALL THE MAINLINE WIDTH OF THE TRAVEL LANE BE LESS THAN 10'.
8. A FLAGGER SHALL BE USED TO ALERT MOTORISTS WHEN EQUIPMENT OR WORKERS ENCLOSE WITHIN 2 FEET OF AN OPEN LANE. THE FLAGGER SHALL BE POSTED ADJACENT TO THE OPEN TRAVEL LANE AND IMMEDIATELY UPSTREAM OF EACH OPERATION. ENCROACHMENT SHALL BE HELD TO A MINIMUM.
9. WHEN THE LENGTH OF CLOSURE IS GREATER THAN 1 MILE, INSTALL SPEED LIMIT SIGNS AT 1 MILE INTERVALS.
10. IF CONDITIONS RESULT IN A DROPOFF OR RISE, BETWEEN LANE CLOSURE AND TRAVEL LANE, WHICH EXCEEDS 2 INCHES OVERNIGHT, THE CONTRACTOR SHALL PLACE A TEMPORARY EDGE LINE IN THE OPEN LANE, A MINIMUM OF 1 FOOT FROM THE DROPOFF OR RISE. IF THE CONTRACTOR CHOOSES TO USE DEVICES FOR THE CHANNELIZING DEVICES, THE TEMPORARY EDGE LINE MAY BE DRIVEN AS LONG AS THE DEVICE SPACING IS 50' OR LESS. IN EITHER CASE, THE CHANNELIZING DEVICES SHALL BE PLACED IN THE CLOSED LANE DURING NONWORKING HOURS.

11. HIGH INTENSITY FLASHING LIGHTS SHALL BE USED TO MARK THE SECOND ADVANCE WARNING SIGN (TC-08) LANE CLOSED 1/2 MILE. ON HIGHWAY 100' OFF THE TRAVEL WAY. STEADY BURNING LIGHTS SHALL BE USED ON ALL TRAFFIC CONTROL DEVICES USED FOR ENCLOSEMENT. AFTER THE TAPER ENDS, FIRST LIGHT IN A MESSAGE TAPER SHALL BE FLASHING.
12. THE MAXIMUM SPACING BETWEEN CHANNELIZING DEVICES IN A TAPERING TAPER AND SHIFTING TAPER SHALL NOT BE GREATER THAN 50'.
13. ANY SIGNS IN CONFLICT WITH CONSTRUCTION SIGNING SHALL BE REMOVED OR COVERED.
14. MINIMUM CONSTRUCTION SIGNING: ANY ADDITIONAL SIGNS SHOWN IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND REQUIRED BY THE PROJECT ENGINEER SHALL BE INSTALLED UNDER ITEM 713-01.



FOR INFORMATION ONLY



FOR INFORMATION ONLY

Conclusion

DESIGN SHOULD BE BASED ON ACTUAL
GEOMETRICS. THE CONTRACTOR SHOULD
CONSULT WITH THE PROJECT ENGINEER.

NOTES

THIS SHEET SHALL BE USED WITH THE "TEMPORARY TRAFFIC CONTROL GENERAL NOTES SHEET (TC-00)".

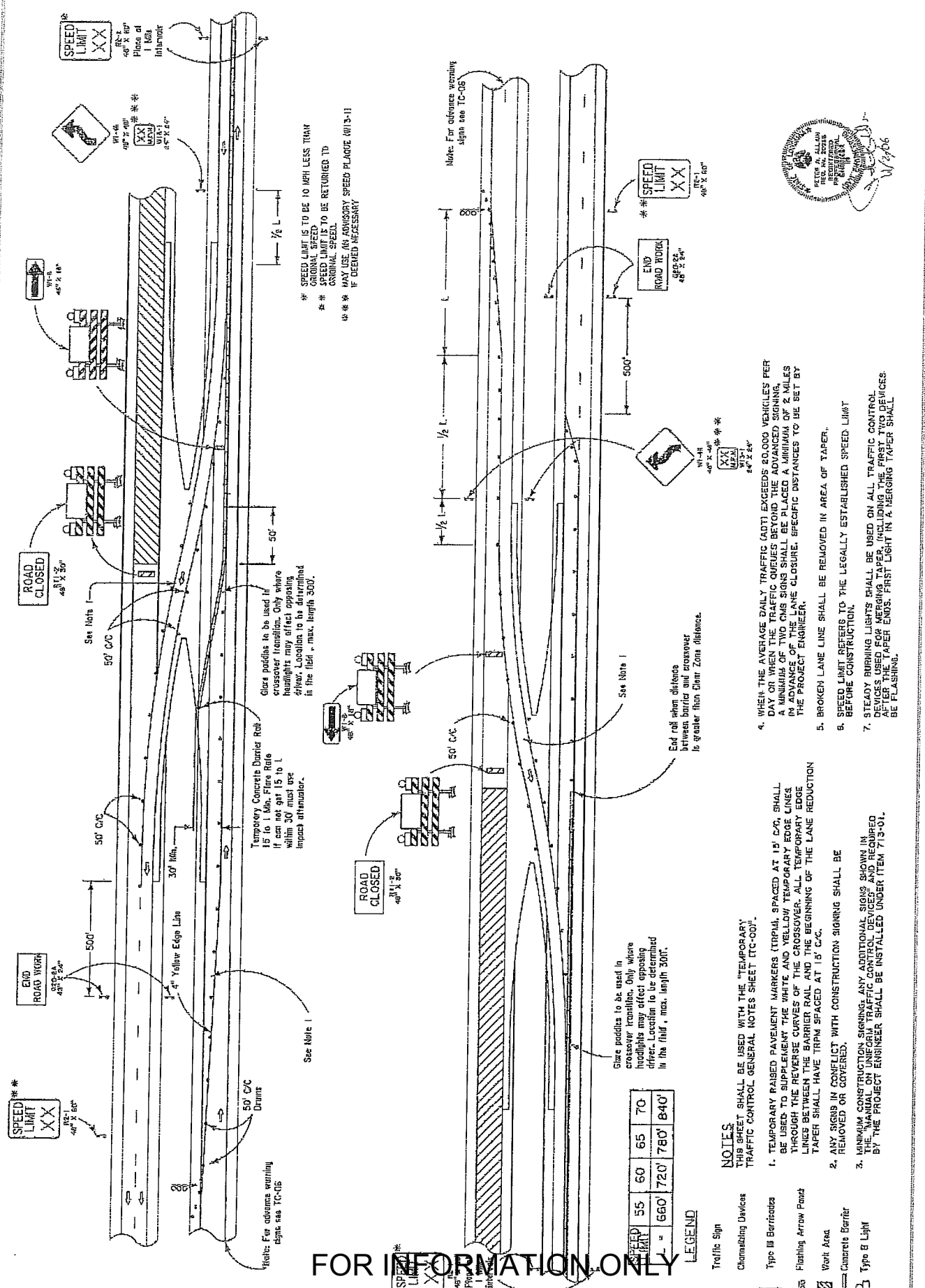
1. FOR MAINLINE LANE CLOSURES SEE OTHER SHEETS.
2. CHANNELIZING DEVICES ON THE LANE LINE SHALL BE OF THE SAME TYPE. CHANNELIZING DEVICES IN EACH TAPEX SHALL BE OF THE SAME TYPE.
3. THE "YIELD AHEAD" SIGN IS REQUIRED EXCEPT FOR SHORT TERM MAINTENANCE OPERATIONS WHERE ITS USE MAY BE AN OPTION AS DETERMINED BY THE PROJECT ENGINEER.

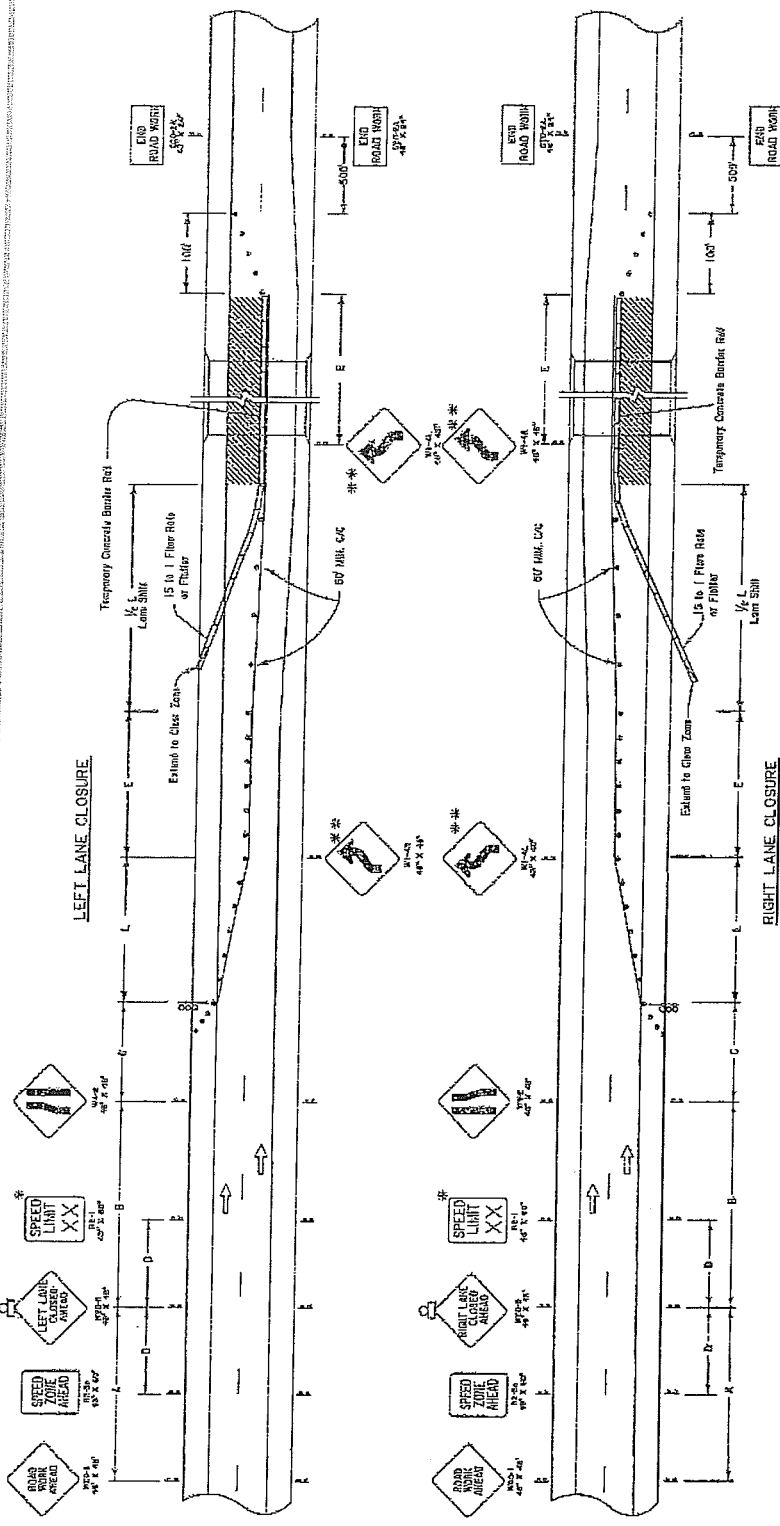
4. USE EXISTING "YIELD" SIGN IF PRESENT, OTHERWISE FURNISH "YIELD" SIGN. WHERE INADEQUATE ACCELERATION DISTANCE EXISTS FOR THE TEMPORARY ENTRANCE, THE YIELD SIGN SHALL BE REPLACED WITH STOP SIGNS ONE ON EACH SIDE OF THE APPROACH, AND STOP AHEAD SIGNS SHALL REPLACE THE YIELD AHEAD SIGNS.

2. LOCATION OF CHANNELIZING DEVICES WITHIN THE CORE AREA TO BE BASED ON DRIVER SIGHT DISTANCE, TO BE DETERMINED BY THE DISTRICT TRAFFIC OPERATIONS ENGINEER.
3. ANY SIGNS IN CONFLICT WITH CONSTRUCTION SIGNING SHALL BE REMOVED OR COVERED.

7. MINIMUM CONSTRUCTION SIGNING: ANY ADDITIONAL SIGNS SHOWN IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND REQUIRED BY THE PROJECT ENGINEER SHALL BE INSTALLED UNDER ITEM 710-0.







SPEED LIMIT	MINIMUM SPACING						
	'A'	'B'	'C'	'D'	'E'	'F'	
45 mph	1140'	1000'	500'	500'	220'	540'	
55 mph	2640'	1840'	1000'	800'	335'	660'	
60 mph	2640'	1640'	1000'	800'	415'	720'	
65 mph	2640'	1640'	1000'	800'	485'	780'	
70 mph	2640'	1640'	1000'	800'	555'	840'	

NOTES:

- THIS SHEET SHALL BE USED WITH THE "TEMPORARY TRAFFIC CONTROL GENERAL NOTES SHEET (TC-001)".
- THE MAXIMUM SPACING BETWEEN CHANNELIZING DEVICES IN A MERGING TAPER SHALL BE APPROXIMATELY EQUAL IN FEET TO THE SPEED LIMIT.
- CHANNELIZING DEVICES ON THE LAINE LINE SHALL BE OF THE SAME TYPE. CHANNELIZING DEVICES IN EACH TAPER SHALL BE OF THE SAME TYPE.
- IF A RAMP ENTRANCE OR EXIT TAPER FALLS WITHIN THE WORK AREA, REFER TO STANDARD ROAD PLAN TC-08 AND TC-09 FOR TRAFFIC CONTROL DETAILS.
- DOWNSTREAM TAPERS SHALL CONTAIN A MINIMUM OF 4 CHANNELIZING DEVICES.
- BROKEN LAINE LINE SHALL BE REMOVED IN AREA OF TAPER.
- PARKING OF VEHICLES OR UNATTENDED EQUIPMENT, OR STORAGE OF MATERIALS, WITHIN THE CLEAR ZONE SHALL NOT BE PERMITTED UNLESS PROTECTED BY FUNCTIONING BARRIER RAIL.

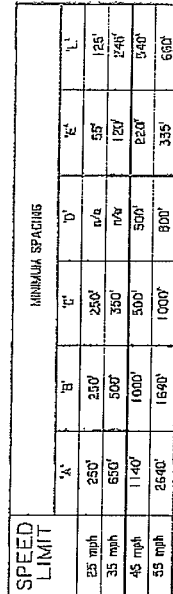
LEGEND

- Traffic Sign
- Channelizing Devices
- Flashing Arrow Panel (Type C)
- Work Area
- Type B Light
- Concrete Barrier

* SPEED LIMIT IS TO BE 10 MPH LESS THAN ORIGINAL SPEED
IS TO BE USED ONLY WHEN A LAINE SHIFT IS UTILIZED

- ANY SIGNS IN CONFLICT WITH CONSTRUCTION SIGNING SHALL BE REMOVED OR COVERED.
- MINIMUM CONSTRUCTION SIGNING ANY ADDITIONAL SIGNS SHOWN IN THE MANUAL ON UNIFORM CONTROL DEVICES AND REQUIRED BY THE PROJECT ENGINEER SHALL BE INSTALLED UNDER ITEM 715-01.
- SPEED LIMIT REFERS TO THE LEGALLY ESTABLISHED SPEED LIMIT BEFORE CONSTRUCTION.
- HIGH INTENSITY FLASHING LIGHTS SHALL BE USED TO MARK THE SECOND ADVANCE WARNING SIGN AND LAINE CLOSED AHEAD.
- LOW INTENSITY FLASHING LIGHTS SHALL BE USED TO MARK ALL OTHER HAZARDS OFF THE TRAVEL WAY.
- STEADY BURNING LIGHTS SHALL BE USED ON ALL TRAFFIC CONTROL DEVICES USED FOR MERGING TAPER, INCLUDING THE FIRST TWO DEVICES USED FOR TAPER ENDS. FIRST LIGHT IN A MERGING TAPER SHALL BE FLASHING.

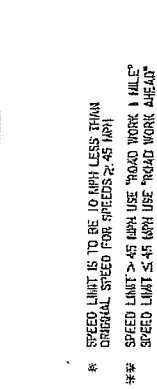




1. WHEN TRAFFIC CONTROL IS PLANNED TO BE IN PLACE FOR MORE THAN 3 DAYS, CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED AND TEMPORARY MARKINGS ADDED.

1. HIGH INTENSITY FLASHING LIGHTS SHALL BE USED TO MARK THE LOW ADVANCE WARNING SIGN (.....) ARE CLOSED AHEAD). LOW INTENSITY FLASHING LIGHTS SHALL BE USED TO MARK ALL. WE HAZARDS OFF THE TRAVEL WAY. HIGH INTENSITY FLASHING LIGHTS SHALL BE USED ON ALL TRAFFIC CONTROL DEVICES USED FOR AFTER TAPER DEVICES INCLUDING THE FIRST TWO DEVICES AFTER THE TAPER ENDS. FIRST LIGHT IN A MERGING TAPER SHALL BE FLASHING.

Type B Light



* SPEED LIMIT IS TO BE 10 MPH LESS THAN ORIGINAL SPEED FOR SPEEDS ≥ 45 MPH

** SPEED LIMIT ≥ 45 MPH USE "ROAD WORK AHEAD" SIGN

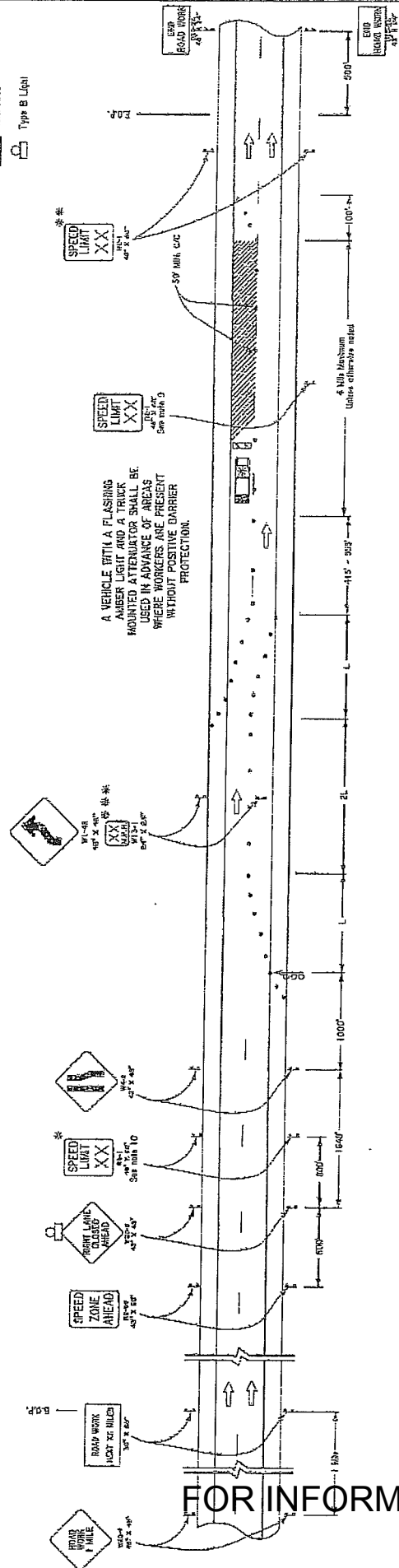
*** SPEED LIMIT ≤ 45 MPH USE "ROAD WORK AHEAD" SIGN

4. CHANNELIZING DEVICES ON THE LAKE LINE SHALL BE OF THE SAME TYPE.
CHANNELIZING DEVICES IN EACH TAPER SHALL BE OF THE SAME TYPE.

Type B Limit

7/7/2/11
PETER A. ALLANS
REG. No. 20258
REGISTERED
PROFESSIONAL
ARCHITECT

* SPEED LIMIT IS TO BE 10 MPH LESS THAN ORIGINAL SPEED.
 ** SPEED LIMIT IS TO BE RETURNED TO ORIGINAL SPEED.
 *** MAY USE AN ADVISORY SPEED PLAQUE (W2-11) IF DEEMED NECESSARY. ADVISORY SPEED TO BE DETERMINED BY THE DISTRICT TRAFFIC OPERATIONS ENGINEER.



NOTES

THIS SHEET SHALL BE USED WITH THE "TEMPORARY TRAFFIC CONTROL GENERAL NOTES SHEET (TC-001)".

1. WHEN ANY INTERSTATE WORK, OR THE AVERAGE DAILY TRAFFIC (ADT) EXCEEDS 20,000 VEHICLES PER DAY OR WHEN THE TRAFFIC QUEUES BEYOND THE WORK ZONE ARE 100 FEET OR MORE LONG, THE WORK ZONE SHALL BE PLACED IN ADVANCE OF THE LANE CLOSURE. THE DISTANCE TO BE SET BY THE PROJECT ENGINEER.
2. THE MINIMUM SPACING BETWEEN CHANNELIZING DEVICES IN A MERGING TO THE SPEED LIMIT BEFORE ROAD WORK.
3. TYPE III BARRICADES SHALL BE PLACED IN THE CLOSED LANE AT A 100' INTERVAL WHERE NO ACTIVE WORK IS BEING DONE. THE BARRICADES OF UNFILLED HOLES OR HOLES FILLED WITH TEMPORARY MATERIAL, OR WHERE UNCURED CONCRETE EXISTS.
4. IF A HAMP ENTRANCE OR EXIT TAPER FALLS WITHIN THE WORK AREA, REFER TO STANDARD ROAD PLANS TC-05 AND TC-09 FOR TRAFFIC CONTROL DETAILS.
5. A FLAGGER SHALL BE USED TO ALERT MOTORISTS WHEN EQUIPMENT OR WORKERS ENCRoACH WITHIN 2 FEET OF OPEN TRAFFIC LANE AND IMMEDIATELY UPSTREAM OF EACH OPERATION. ENCRoACHMENT SHALL BE HELD TO A MINIMUM.

6. A VEHICLE WITH A FLASHING AMBER LIGHT AND A TRUCK MOUNTED ATTENUATOR SHALL BE USED IN ADVANCE OF AREAS WHERE WORKERS ARE PRESENT WITHOUT POSITIVE BARRIER PROTECTION.
7. UNDER NORMAL CLOSURE CONDITIONS, DEVICES SHOULD BE PLACED 5' FROM CENTERLINE INTO THE CLOSED LANE. CHANNELIZING DEVICES MAY ENCRoACH UP TO 2' FROM CENTERLINE INTO THE OPEN LANE ONLY AT SPECIFIC LOCATIONS. THE ACTUAL WORK ACTIVITY IS TAKING PLACE. CHANNELIZING DEVICES SHALL BE RETURNED TO THE CLOSED LANE WHEN THE WORK ACTIVITY HAS PASSED. IN NO CASE SHALL THE MAINLINE WIDTH OF THE TRAVEL LANE BE LESS THAN 10'.
8. WHEN THE LENGTH OF CLOSURE IS GREATER THAN 1 MILE, INSTALL SPEED LIMIT SIGNS AT 1 MILE INTERVALS.
9. THE REDUCED SPEED LIMIT REPRESENTS A MAXIMUM SPEED DROP OF 10 MPH FROM THE LEGALLY ESTABLISHED SPEED LIMIT.

FOR LANE-LINE DROPOFF OR RISE:

10. IF CONDITIONS RESULT IN A DROPOFF OR RISE WHICH EXCEEDS 2' OVERNIGHT, THE CONTRACTOR SHALL PLACE A TEMPORARY EDGE OF THE ROADWAY IN THE LANE. A MINIMUM OF 1' FROM THE DROPOFF OR RISE. IF THE CONTRACTOR PROCEEDS TO USE DRUMS FOR THE CHANNELIZING DEVICES, THE TEMPORARY DROPOFF OR RISE SHALL BE MAINTAINED UNTIL THE DROPPING DEVICES ARE EITHER CASE THE CHANNELIZING DEVICES SHALL BE PLACED IN THE CLOSED LANE DURING NONWORKING HOURS.

11. HIGH INTENSITY FLASHING LIGHTS SHALL BE USED TO MARK THE SECOND ADVANCE WARNING SIGN (RIGHT LANE CLOSED AHEAD). OTHER HAZARD WARNING LIGHTS SHALL BE USED TO MARK ALL OTHER HAZARD LOCATIONS OF THE TRAVEL WAY. STEADY BURNING LIGHTS SHALL BE USED ON ALL TRAFFIC CONTROL DEVICES USED FOR MERGING TAPER, WHEN A MERGING TAPER SHALL BE FLASHING.
12. ANY SIGNS IN CONFLICT WITH CONSTRUCTION SIGNING SHALL BE REMOVED OR COVERED.
13. MINIMUM CONSTRUCTION SIGNING: ANY ADDITIONAL SIGNS SHOWN IN THE MANUAL IN CONFLICT WITH THE STANDARD SIGNING SHALL BE BY THE PROJECT ENGINEER SHALL BE INSTALLED UNDER ITEM 113-01.



SPEED LIMIT	60	65	70
L =	720'	780'	840'

- LEGEND**
- † Traffic Sign
 - Channelizing Device
 - Type III Barricades
 - Flasher Arrow Panel
 - Work Area
 - Type B Light

For use when immediate work area is more than 250' and less than 1500' from nearest crossroad travel lane.

SPEED LIMIT (See note 4)	Approximate Sign Spacing		
	"A"	"B"	"C"
35 mph	500'	100'-200'	100'
45 mph	1000'	100'-200'	500'
55 mph	1500'	200'-300'	800'



1. IF REDUCED SPEED LIMIT IS REQUIRED, THE REDUCIBLE SPEED LIMIT TO BE DETERMINED IN THE FIELD. IT SHALL BE AS HIGH AS PRACTICABLE AND NEVER LOWER THAN 20 MPH.
2. VISUAL OR RADIO CONTACT SHALL BE REQUIRED BETWEEN THE FLAGGERS AT ALL TIMES.
3. ANY SIGNS IN CONFLICT WITH CONSTRUCTION SIGNING SHALL BE REMOVED OR COVERED.
4. MINIMUM CONSTRUCTION SIGNING, ANY ADDITIONAL SHOWN IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND REQUIRED BY THE PROJECT ENGINEER SHALL BE INSTALLED UNDER ITEM 713-01.
5. ANY SIGN NOT APPLICABLE FOR NIGHT TIME USE SHALL BE EITHER REMOVED OR COVERED AT THE END OF EACH DAY.

**STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND
DEVELOPMENT**



**CONSTRUCTION PROPOSAL
RETURNABLES
FOR**

FEDERAL AID PROJECT

**STATE PROJECT NO. 704-92-0017
INTERSTATE SIGN REPLACEMENT
ROUTES I-10, I-610, and US 90
JEFFERSON and ORLEANS PARISHES**

FOR INFORMATION ONLY

BID BOND

A Bid Bond is required when the bidder's total bid amount as calculated by the Department in accordance with Subsection 103.01 is greater than \$50,000. (See Section 102 of the Project Specifications.)

_____, as Principal
(Bidder) _____ and
_____, as Surety,
are bound unto the State of Louisiana, Department of Transportation and Development, (hereinafter called the Department) in the sum of five percent (5%) of the bidder's total bid amount as calculated by the Department for payment, of which the Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, as solidary obligors.

Signed and sealed this _____ day of _____, 20_____.

The condition of this obligation is such that, whereas the Principal has submitted a bid to the Department on a contract for the construction of **STATE PROJECT NO. 704-92-0017, FEDERAL AID PROJECT NO. ERP1(060), INTERSTATE SIGN REPLACEMENT, located in JEFFERSON AND ORLEANS PARISHES, ROUTES I-10, I-610, and US 90**, if the bid is accepted and the Principal, within the specified time, enters into the contract in writing and gives bond with Surety acceptable to the Department for payment and performance of said contract, this obligation shall be void; otherwise to remain in effect.

Principal (Bidder or First Partner to Joint Venture)
By _____
Authorized Officer-Owner-Partner

If a Joint Venture, Second Partner
By _____
Authorized Officer-Owner-Partner

Typed or Printed Name

Typed or Printed Name

Surety
By _____ (Seal)
Agent or Attorney-in-Fact

Typed or Printed Name

To receive a copy of the contract and subsequent correspondence / communication from LA DOTD, with respect to the bid bonds, the following information must be provided:

Bonding Agency or Company Name

Address

Agent or Representative

Phone Number / Fax Number

07/07
Form CS-2A
FOR INFORMATION ONLY

LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
SCHEDULE OF ITEMS

LEAD PROJECT: 704-92-0017
OTHER PROJECTS:

DATE: 10/29/07 10:00 PAGE: 1

ITEM NUMBER	APPROXIMATE QUANTITY	UNIT OF MEASURE	PAY ITEM UNIT PRICE (IN WORDS, INK OR TYPED)
202-02-J	359.0	SQUARE FOOT	REMOVAL OF EXISTING SIGNS _____ DOLLARS _____ CENTS
202-02-K	3	EACH	REMOVAL OF EXISTING SIGN SUPPORTS (LEGS ONLY) _____ DOLLARS _____ CENTS
713-01	LUMP	LUMP SUM	TEMPORARY SIGNS & BARRICADES _____ DOLLARS _____ CENTS
729-01	LUMP	LUMP SUM	MOBILIZATION _____ DOLLARS _____ CENTS
729-05-A	14.0	SQUARE FOOT	SIGN (TYPE E) (SIGN PROVIDED BY DOTD) _____ DOLLARS _____ CENTS
729-06-A	939.0	SQUARE FOOT	SIGN (OVERHEAD MOUNTED) (SIGN PROVIDED BY DOTD) _____ DOLLARS _____ CENTS

FOR INFORMATION ONLY

LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
SCHEDULE OF ITEMS

LEAD PROJECT: 704-92-0017
OTHER PROJECTS:

DATE: 10/29/07 10:00 PAGE: 2

ITEM NUMBER	APPROXIMATE QUANTITY	UNIT OF MEASURE	PAY ITEM UNIT PRICE (IN WORDS, INK OR TYPED)
729-12-A	3	EACH	<div>MOUNTING (OVERHEAD CANTILEVER) (STRUCTURE MOUNTED) (EXISTING STRUCTURAL FOOT NG) (SIGN PROVIDED BY DOTD)</div> <div>DOLLARS</div> <div>CENTS</div>

FOR INFORMATION ONLY

CONSTRUCTION PROPOSAL SIGNATURE AND EXECUTION FORM

THIS FORM, THE SCHEDULE OF ITEMS, AND THE PROPOSAL GUARANTY MUST BE COMPLETED AS INDICATED AND SUBMITTED TO THE LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT (DOTD) TO CONSTITUTE A VALID BID

STATE PROJECT NO.

704-92-0017

FEDERAL AID PROJECT NO.

ERP1 (060)

NAME OF PROJECT

INTERSTATE SIGN REPLACEMENT

I (WE) HEREBY CERTIFY THAT I (WE) HAVE CAREFULLY EXAMINED THE PROPOSAL, PLANS AND SPECIFICATIONS, INCLUDING ANY AND ALL ADDENDA, AND THE SITE OF THE ABOVE PROJECT AND AM (ARE) FULLY COGNIZANT OF ALL PROPOSAL DOCUMENTS, THE MASTER COPY OF WHICH IS ON FILE AT DOTD HEADQUARTERS IN BATON ROUGE, LA., AND ALL WORK, MATERIALS AND LABOR REQUIRED THEREIN, AND AGREE TO PERFORM ALL WORK, AND SUPPLY ALL NECESSARY MATERIALS AND LABOR REQUIRED FOR SUCCESSFUL AND TIMELY COMPLETION OF THE ABOVE PROJECT AND TO ACCEPT THE SUMMATION OF THE PRODUCTS OF THE UNIT PRICES BID ON THE SCHEDULE OF ITEMS ATTACHED HERETO AND MADE A PART HEREOF MULTIPLIED BY THE ACTUAL QUANTITY OF UNIT OF MEASURE PERFORMED FOR EACH ITEM, AS AUDITED BY DOTD, AS FULL AND FINAL PAYMENT FOR ALL WORK, LABOR AND MATERIALS NECESSARY TO COMPLETE THE ABOVE PROJECT, SUBJECT TO INCREASE ONLY FOR PLAN CHANGES (CHANGE ORDERS) APPROVED BY THE DOTD CHIEF ENGINEER OR HIS DESIGNEE. THIS BID IS SUBMITTED IN ACCORDANCE WITH THE GENERAL BIDDING REQUIREMENTS IN THE CONSTRUCTION PROPOSAL AND ALL SPECIAL PROVISIONS, PLANS, SUPPLEMENTAL SPECIFICATIONS, AND THE LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES (2006 EDITION). I (WE) UNDERSTAND THAT THE SUMMATION OF THE PRODUCTS OF THE UNIT PRICES BID ON THE SCHEDULE OF ITEMS MULTIPLIED BY THE ESTIMATED QUANTITY OF UNIT OF MEASURE FOR EACH ITEM, ALONG WITH ANY OTHER FACTORS SPECIFIED TO BE APPLICABLE SUCH AS CONSTRUCTION TIME AND/OR LANE RENTAL, SHALL BE THE BASIS FOR THE COMPARISON OF BIDS. I (WE) UNDERSTAND THAT THE SCHEDULE OF ITEMS MUST CONTAIN UNIT PRICES WRITTEN OUT IN WORDS AND THAT THE SCHEDULE OF ITEMS SUBMITTED AS PART OF THIS BID IS ON THE FORM SUPPLIED BY DOTD IN THE BID PROPOSAL. MY (OUR) PROPOSAL GUARANTY IN THE AMOUNT SPECIFIED FOR THE PROJECT IS ATTACHED HERETO AS EVIDENCE OF MY (OUR) GOOD FAITH TO BE FORFEITED IF THIS BID IS ACCEPTED BY DOTD AND I (WE) FAIL TO COMPLY WITH ANY REQUIREMENT NECESSARY FOR AWARD AND EXECUTION OF THE CONTRACT, AS WELL AS, SIGN AND DELIVER THE CONTRACT AND PAYMENT/PERFORMANCE/RETAINAGE BOND AS REQUIRED IN THE SPECIFICATIONS.

NONCOLLUSION DECLARATION (APPLICABLE TO FEDERAL-AID PROJECTS)

I (WE) DECLARE UNDER PENALTY OF PERJURY UNDER THE LAWS OF THE UNITED STATES AND THE STATE OF LOUISIANA THAT I (WE) HAVE NOT DIRECTLY OR INDIRECTLY, ENTERED INTO ANY AGREEMENT, PARTICIPATED IN ANY COLLUSION, OR OTHERWISE TAKEN ANY ACTION IN RESTRAINT OF FREE COMPETITIVE BIDDING IN CONNECTION WITH THE CONTRACT FOR THIS PROJECT NOR VIOLATED LA. R.S. 48:254.

BIDDER'S DBE GOAL STATEMENT (APPLICABLE TO DBE GOAL PROJECTS)

IF THIS PROJECT IS DESIGNATED BY SPECIAL PROVISION AS A DISADVANTAGED BUSINESS ENTERPRISE (DBE) GOAL PROJECT IN ACCORDANCE WITH THE DBE PROVISIONS OF THIS CONTRACT, THE BIDDER ASSURES DOTD THAT HE/SHE WILL MEET OR EXCEED THE DBE CONTRACT GOAL, OR IF THE BIDDER CANNOT MEET THE REQUIRED DBE GOAL, THE BIDDER ASSURES DOTD THAT HE/SHE HAS MADE AND CAN DOCUMENT GOOD FAITH EFFORTS MADE TOWARDS MEETING THE GOAL REQUIREMENT IN ACCORDANCE WITH THE CONTRACT AND DBE PROGRAM MANUAL INCORPORATED HEREIN BY REFERENCE.

THE APPARENT LOW BIDDER SHALL COMPLETE AND SUBMIT TO THE DOTD COMPLIANCE PROGRAMS OFFICE, FORM CS-6AAA AND ATTACHMENT(S) AND, IF NECESSARY, DOCUMENTATION OF GOOD FAITH EFFORTS MADE BY THE BIDDER TOWARD MEETING THE GOAL, WITHIN TEN BUSINESS DAYS AFTER THE OPENING OF BIDS FOR THIS PROJECT. RESPONSIVENESS OF INFORMATION SUPPLIED IN THIS SECTION OF THIS CONSTRUCTION PROPOSAL SIGNATURE AND EXECUTION FORM IS GOVERNED BY THE DBE REQUIREMENTS INCLUDED WITHIN THE SPECIFICATIONS AND DBE PROGRAM MANUAL.

CERTIFICATION OF EMPLOYMENT OF LOUISIANA RESIDENTS TRANSPORTATION INFRASTRUCTURE MODEL FOR ECONOMIC DEVELOPMENT (TIME) PROJECTS (APPLICABLE TO TIME PROJECTS)

IF THIS PROJECT IS DESIGNATED BY SPECIAL PROVISION AS A TRANSPORTATION INFRASTRUCTURE MODEL FOR ECONOMIC DEVELOPMENT (TIME) PROJECT AS DEFINED IN ACT NO. 16 OF THE 1989 FIRST EXTRAORDINARY SESSION OF THE LEGISLATURE WHICH ENACTED PART V OF CHAPTER 7 OF SUBTITLE II OF TITLE 47 OF THE LOUISIANA REVISED STATUTES OF 1950, COMPRISED OF R.S. 47:820.1 THROUGH 820.6.

THE BIDDER CERTIFIES THAT AT LEAST 80 PERCENT OF THE EMPLOYEES EMPLOYED ON THIS TIME PROJECT WILL BE LOUISIANA RESIDENTS IN ACCORDANCE WITH LOUISIANA R.S. 47:820.3.

NON PARTICIPATION IN PAYMENT ADJUSTMENT (ASPHALT CEMENT AND FUELS) STATEMENT

IF THIS PROJECT IS DESIGNATED BY SPECIAL PROVISION AS BEING SUBJECT TO PAYMENT ADJUSTMENT FOR ASPHALT CEMENT AND/OR FUELS, THE BIDDER HAS THE OPTION OF REQUESTING EXCLUSION FROM SAID PAYMENT ADJUSTMENT PROVISIONS THAT ARE ESTABLISHED BY SPECIAL PROVISION ELSEWHERE HEREIN.

IF THE BIDDER DESIRES TO BE EXCLUDED FROM THESE PAYMENT ADJUSTMENT PROVISIONS,

THE BIDDER IS REQUIRED TO MARK HERE ☐

FAILURE TO MARK THIS BOX PRIOR TO BID OPENING WILL CONSTITUTE FORFEITURE OF THE BIDDER'S OPTION TO REQUEST EXCLUSION.

CS-14A

08/06

FOR INFORMATION ONLY

BIDDER SIGNATURE REQUIREMENTS (APPLICABLE TO ALL PROJECTS)

THIS BID FOR THE CAPTIONED PROJECT IS SUBMITTED BY:

(Name of Principal (Individual, Firm, Corporation, or Joint Venture))_____
(If Joint Venture, Name of First Partner)_____
(Louisiana Contractor's License Number of Bidder or First Partner to Joint Venture)_____
(Business Street Address)_____
(Business Mailing Address, if different)_____
(Area Code and Telephone Number of Business)_____
(Telephone Number and Name of Contact Person)_____
(Telecopier Number, if any)_____
(If Joint Venture, Name of Second Partner)_____
(Louisiana Contractor's License Number of Second Partner to Joint Venture)_____
(Business Street Address)_____
(Business Mailing Address, if different)_____
(Area Code and Telephone Number of Business)_____
(Telephone Number and Name of Contact Person)_____
(Telecopier Number, if any)

ACTING ON BEHALF OF THE BIDDER, THIS IS TO ATTEST THAT THE UNDERSIGNED DULY AUTHORIZED REPRESENTATIVE OF THE ABOVE CAPTIONED FIRM, CORPORATION OR BUSINESS, BY SUBMISSION OF THIS BID, AGREES AND CERTIFIES THE TRUTH AND ACCURACY OF ALL PROVISIONS OF THIS PROPOSAL, INCLUSIVE OF THE REQUIREMENTS, STATEMENTS, DECLARATIONS AND CERTIFICATIONS ABOVE AND IN THE SCHEDULE OF ITEMS AND PROPOSAL GUARANTY. EXECUTION AND SIGNATURE OF THIS FORM AND SUBMISSION OF THE SCHEDULE OF ITEMS AND PROPOSAL GUARANTY SHALL CONSTITUTE AN IRREVOCABLE AND LEGALLY BINDING OFFER BY THE BIDDER.

(Signature)_____
(Printed Name)_____
(Title)_____
(Date of Signature)_____
(Signature)_____
(Printed Name)_____
(Title)_____
(Date of Signature)

CONTRACTOR'S TOTAL BASE BID \$ _____

IT IS AGREED THAT THIS TOTAL, DETERMINED BY THE BIDDER, IS FOR PURPOSES OF OPENING AND READING BIDS ONLY, AND THAT THE LOW BID FOR THIS PROJECT WILL BE DETERMINED FROM THE EXTENSION AND TOTAL OF THE BID ITEMS BY DOTD.

CS-14AA
08/06

FOR INFORMATION ONLY