# STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

## **CONSTRUCTION PROPOSAL**



STATE PROJECT NO.
737-95-0035
CONTRACT SWEEPING OF US 165 & I-20
OUACHITA PARISH

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#### **NOTICE TO CONTRACTORS (08/07)**

Sealed paper bids for the following project will be received by the Department of Transportation and Development (DOTD). Paper bids can be delivered to the DOTD District 05 Headquarters, 8010 DeSiard St., Monroe, Louisiana 71203 until 1:30 p.m. on June 20, 2008. No bids will be received after 1:30 p.m. Any person requiring special accommodations shall notify DOTD at (318) 342-0103 not less than 3 business days before bid opening.

#### **STATE PROJECT NO. 737-95-0035**

DESCRIPTION: CONTRACT SWEEPING OF US 165 & I-20

ROUTE: US 165 & I-20 PARISH: OUACHITA LENGTH: 8.02 miles. TYPE: SWEEPING

LIMITS: LOCATED ON US 165 FROM LA 15 TO LA 840-6 AND I-20 FROM 165 TO END ESON

OF BARRIER RAIL IN WEST MONROE

ESTIMATED COST RANGE: \$50,000.00 - \$100,000.00 PROJECT ENGINEER: KIRK GALLIEN, P.E., P.T.O.E. DOTD COORDINATOR: MARSHALL HILL, P.E. PROJECT MANAGER: PAUL COLQUETTE, P.E.

COST OF PROPOSAL FORMS: FREE

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

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. FORINFORMAT

#### NOTICE TO CONTRACTORS (CONTINUED)

Plans and/or proposals may be obtained at DOTD District 05 Headquarters, 8010 DeSiard St., Monroe, LA or by contacting the DOTD; Phone (318) 342-0103, FAX: (318) 342-0260, or by written requests sent to the Louisiana Department of Transportation and Development, P. O. Box 4068, Monroe, LA 71211. Proposals will not be issued later than 24 hours prior to the time set for opening bids. 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.

FOR INFORMATIONAL PURPOSES ONLY

#### SPECIAL PROVISIONS STATE PROJECT NO. 737-95-0035

**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.

**WORK HOUR RESTRICTIONS:** All work shall be nighttime work only. Work shall not be performed on any day during the hours of 6:00am to 8:00pm. All lanes shall remain open to traffic.

#### SPECIAL PROVISIONS STATE PROJECT NO. 737-95-0035

**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.

#### **SWEEPING**

Contractor Requirements: All Bidders must possess the following qualifications:

- A valid Louisiana General Contractors License
- At least two (2) years experience in the contract highway sweeping services
- Bidders must enforce a drug free environment that requires a pre-hire and random drug screens on all employees
- All drivers must have a CDL appropriate for the machinery as well as up to date DOT medical card

**Disposal:** All debris must be disposed of at a licensed disposal facility appropriate for roadway debris. Copies of all disposal receipts must be included with the contractors invoice to DOTD.

**Equipment:** All equipment must be less than five years old from the start of the contract.

Sweepers must be equipped with the following:

- Equipment must be mounted on a minimum 32,000 GVW chassis.
- Must use a mechanical broom type sweeper equipped with high dump function, minimum four (4) yard hopper, dust suppression, and dual driving controls
- At least a 50 hp auxiliary engine
- Dual gutter brooms
- 48" x 96" directional arrow board, type C.
- Minimum of two (2) 7 x 9 high intensity LED strobe lights mounted on rear.

Follow (Shadow) Vehicle must be a model of the current year from the start of the contract and be equipped with the following:

- Minimum of one (1) 56,000 GVW dump truck
- Two (2) 360° strobes mounted on top of 48 x 96 directional arrow board
- Minimum of four (4) 7 x9 high intensity LED strobe lights mounted on rear of truck.
- 62 mph Truck Mounted Attenuator (TMA) that is designed to meet NCHRP 350 requirements TL3

#### SPECIAL PROVISIONS STATE PROJECT NO. 737-95-0035

**ITEM S-001, SWEEPING US 165 & I-20:** To be paid for under item S-001 (per curb mile). This contract consists of sweeping the inside and outside shoulders of the roadway for approximately **14.53 miles** per sweeping operation (quantity includes left and right shoulders in each direction of travel). I-20 along center wall, inside shoulders, and outside shoulders shall be included in sweeping. Cost for sweeping goars shall be included in the price bid per curb mile. Sweeping operations shall be done in such a manner that the entire project limits shall be swept on a 15 day interval which shall begin on the 1<sup>st</sup> and 15<sup>th</sup> of each month. Prior to start of the first cycle, the contractor shall provide the Project Engineer with an estimated schedule of operations. The item shall include all labor, material, equipment and other incidentals to perform the work.

Removal and disposal of debris during the cleaning operations shall be the responsibility of the contractor. All debris shall be disposed of beyond the limits of DOTD right of way in accordance with all applicable federal, state, local laws, and ordinances related to the hauling, handling, and disposal of such material. The name, facility, I.D. number, and location with proof that the contractor is using location for the disposal of material must be furnished to the Department. All landfill fees shall be the responsibility of the contractor.

The contractor shall provide the Department with a bi-weekly progress update. The update shall state the limits of the job swept in the previous two weeks including the ramps. The updated shall be submitted by fax to (318) 342-0260 or by email to kirkgallien@dotd.la.gov.

All traffic control, mobilization, all labor, material, equipment and other incidentals to perform the work, shall be included in the cost of this time.

Payment will be made under:

Item S-001, Interstate Sweeping, per curb mile.

**CONTRACT TIME:** The contract shall be commence upon the issuance of a Notice of Contract Execution and shall continue through July 1, 2009 unless renewed. On an annual basis, the Department shall have the option to renew this contract up to FOUR (4) additional one (1) year period(s). Renewal will require a fully executed Renewal Contract and Payment/Performance/Retainage Bond.

The DOTD will have the option of canceling the contract at any time. The DOTD reserves the right to perform any sweeping within the limits of this contract whenever the DOTD determines that such work is in the public's interest and safety. The Assistant District Administrator of Operations will issue a work order for all work. The Contractor shall begin all work within the allotted response time and shall complete the work within the time specified in the work order. Failure of the contractor to begin work within the specified time after notification or failure to prosecute the work with sufficient personnel and equipment to complete the work within the allotted time shall be a breach of contract and Contractor will be placed in default.

#### **LOUISIANA**

## DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT SUPPLEMENTAL SPECIFICATIONS

(FOR 2006 STANDARD SPECIFICATIONS)

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## 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 101 - GENERAL INFORMATION, DEFINITIONS, AND TERMS:

Subsection 101.03 - Definitions (07/07), Pages 3 - 13.

Delete the definition for "Proposal/Bid Guaranty" and substitute the following.

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

#### **SECTION 102 – BIDDING REQUIREMENTS:**

Subsection 102.09 – Proposal / Bid Guaranty (07/07), Page 19.

Delete the contents of this subsection and substitute the following.

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 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.

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#### **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 308 – IN-PLACE CEMENT TREATED BASE COURSE:

All Subsections within Section 308 - (07/07), Pages 191 - 198.

Whenever the reference to "DOTD TR-432, Method D" is used, it shall mean "DOTD TR-432".

#### 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.

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 <sup>1</sup>			
IV	All mixtures, except travel lane wearing courses <sup>2</sup>			

<sup>&</sup>lt;sup>1</sup> 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.

#### **SECTION 704 – GUARD RAIL:**

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

Add the following to Heading (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.

<sup>&</sup>lt;sup>2</sup> 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.

**Table 713-1** 

**Temporary Pavement Markings**<sup>1,2</sup>

remporary Pavement markings							
		Two-lane Highways	Undivided Multilane Highways	Divided Multilane Highways			
SHO	ADT<150 0; or ADT>150 0 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					
ORT TERM	ADT>150 0; 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		ONLY			
	All ADT's with time <2 weeks		Lane lines 4-foot (1.2m) tape on 40-foot (12 m) centers; double yellow centerline	foot (1.2 m) tape on 40-			
LONG TERM	ORIT	Standard lane lines, no-passing zone markings, legends and symbols and when pavement width is 22 feet (6.7 m) or greater, edge lines	lines, centerlines, edge lines, and legends and symbols	lane lines,			

<sup>&</sup>lt;sup>1</sup>No-passing zones shall be delineated as indicated whenever a project is open to traffic.

#### **SECTION 729 – TRAFFIC SIGNS AND DEVICES:**

Subsection 729.02 – Materials (04/07), Pages 456 and 457.

Delete the contents of Heading (a), Sign and Marker Sheeting, and substitute the following.

(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.

<sup>&</sup>lt;sup>2</sup>On 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.

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

Sign	MUTCD Number
Sigii	WIO I CD Nullioci
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 (04/07), Pages 458 – 460.

Delete the third paragraph of Heading (c), Sheeting Application and substitute the following. 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.

#### **SECTION 804 – DRIVEN PILES:**

Subsection 804.08 – Construction Requirements (04/07), Pages 548 – 554.

Delete the first sentence of Heading (a), Preboring and substitute the following.

Preboring by augering, wet-rotary drilling, or other methods used to facilitate pile driving will not be permitted unless specified in the plans or allowed by the engineer.

Delete the first sentence of Heading (b), Jetting and substitute the following. Jetting will not be permitted unless allowed in the plans or allowed by the engineer.

#### **SECTION 901 – PORTLAND CEMENT CONCRETE:**

Subsection 901.06 – Quality Control of Concrete (08/06), Pages 726 – 731.

Add the following to the contents of Heading (b), Quality Control Tests.

The contractor shall be responsible for monitoring the components (cement, mineral and chemical admixtures, aggregates) in their mix to protect against any changes due to component variations. As component shipments arrive, the contractor shall verify slump, air content and set

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time by testing at ambient temperatures. The contractor shall make adjustments to the mix design to rectify any changes which would adversely affect constructability, concrete placement or the specifications. The contractor shall submit test results to the Department for review each day of paving. Testing to validate component consistency will be documented on the control logs. Conformance or variation in mix parameters (workability, set times, air content, etc.) shall be noted on the control logs. The contractor shall provide a copy of the proposed testing plan to the engineer for record. Acceptance of the plan does not relieve the contractor's responsibility for consistency.

#### 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 1003 - AGGREGATES:**

Subsection 1003.02 – Aggregates for Portland Cement Concrete and Mortar (07/07)

Pages 763 – 766.

Delete the contents of Heading (c), Aggregates for Types B and D Pavements, and substitute the following.

(c) Aggregates for Types B and D Pavements: For the combined aggregates for the proposed portland cement concrete pavement mix, the percent retained based on the dry weight (mass) of the total aggregates shall meet the requirements of Table 1003-1A for the type of pavement specified in the plans. Additionally, the sum of the percents retained on any two adjacent sieves so designated in the table shall be at least 12 percent of the total combined aggregates. The maximum amounts by weight (mass) of deleterious materials for the total aggregate shall be the same as shown in Subsection 1003.02(b).

Table 1003-1A Aggregates for Types B and D Pavements

U.S. Sieve	Metric Sieve		ined of Total Aggregates
U.S. Sieve	Wichie Sieve	Paveme	ent Type
		Type B	Type D
2 1/2 inch	63 mm	0	0
2 inch	50 mm	0	0-20
1 1/2 inch	37.5 mm	0-20	0-20
1 inch	25.0 mm	0-20	5-20
3/4 inch	19.0 mm	5-20	5-20
1/2 inch	12.5 mm	5-20	5-20
3/8 inch	9.5 mm	5-20	5-20
No. 4	4.75 mm	5-20	5-20
No. 8	2.36 mm	5-20	5-20
No. 16	1.18 mm	5-20	5-20
No. 30	600 μm	5-20	5-20
No. 50	300 μm	0-20	0-20
No. 100	150 μm	0-20	0-20
No. 200	75 μm	0-5	0-5

Note: For the sieves in the shaded areas, the sum of any two adjacent sieves shall be a minimum of 12 percent of the total combined aggregates.

Each type of aggregate to be used in the proposed mixture shall be sampled and tested individually. The percent of total combined aggregates retained shall be determined mathematically based on the proportions of the combined aggregate blend. All gradation calculations shall be based on percent of dry weight (mass).

#### 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.

(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>	ASTM Test Method	Require	<u>ements</u>
		Polymerized Chloroprene	Thermoplastic Vulcanizate
Tensile Strength, kPa, Min.	D 412	12,400	7,400
Elongation at Break, % Min.	D 412	200	400
Hardness, Shore A	D 2240	$65 \pm 10$	$65 \pm 10$
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 Oil Swell, IRM 903, 70 h	D 1149	no cracks	no cracks
@ 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 1006 – CONCRETE AND PLASTIC PIPE:**

Subsection 1006.09 – Plastic Yard Drain Pipe (06/07), Page 789.

Delete the contents of Subheading (a)(3), Ribbed Polyvinyl Chloride Pipe (RPVCP) and substitute the following.

Ribbed Polyvinyl Chloride Pipe (RPVCP): Ribbed Polyvinyl Chloride Pipe shall comply with ASTM F 794, Series 46 or ASTM F 949 (46 psi).

#### **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".

#### SECTION 1015 – SIGNS AND PAVEMENT MARKINGS:

<u>Subsection 1015.04 – Sign Panels (05/07), Pages 832 and 833.</u>

Delete the contents of Heading (a), Permanent Sign Panels and substitute the following.

(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 (05/07), Pages 833 – 838.

Add the following to Heading (a), Permanent and Temporary Standard Sheeting.

- 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) Sheeting<sup>1</sup>

		71.		8
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

<sup>&</sup>lt;sup>1</sup>Minimum Coefficient of Retroreflection (R<sub>A</sub>) (cd lx<sup>-1</sup>m<sup>-2</sup>)

Heading (d), Accelerated Weathering.

Delete Table 1015-3, Accelerated Weathering Standards and substitute the following.

Table 1015-3 Accelerated Weathering Standards<sup>1</sup>

Т	Retroreflectivity <sup>2</sup>			Retroret		Colo	rfastness <sup>3</sup>
Туре	Ora	1 1		ors, ange	Orange	All colors, except orange	
III	1 year	80 <sup>4</sup>	3 years	3 years 80 <sup>4</sup>		3 years	
III (for drums)	1 year	804	1 year	80 <sup>4</sup>	1 year	1 year	
VI	1/2 year	50 <sup>5</sup>	1/2 year	50 <sup>5</sup>	1/2 year	1/2 year	
						1	
IX	Not	used	ed 3 years $80^6$		Not used	3 years	
X (Fluorescent Orange)	1 year	80 <sup>7</sup>	Not used		1 year	Not used	
X (Modified)	Not	used	3 years 80 <sup>8</sup>		Not used	3 years	

<sup>&</sup>lt;sup>1</sup>At 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.

Heading (e), Performance.

Delete Table 1015-4, Reflective Sheeting Performance Standards and substitute the following.

<sup>&</sup>lt;sup>2</sup>Percent retained retroreflectivity of referenced table after the outdoor test exposure time specified. <sup>3</sup>Colors shall conform to the color specification limits of ASTM D 4956 after the outdoor test exposure time specified.

<sup>&</sup>lt;sup>4</sup>ASTM D 4956, Table 8.

<sup>&</sup>lt;sup>5</sup>ASTM D 4956, Table 13.

<sup>&</sup>lt;sup>6</sup>ASTM D 4956, Table 3.

<sup>&</sup>lt;sup>7</sup>ASTM D 4956, Table 4.

<sup>&</sup>lt;sup>8</sup> DOTD Standard Specifications, Table 1015-a.

Table 1015-4
Reflective Sheeting Performance Standards

	Retroreflectivity <sup>1</sup> Durability <sup>2</sup>				
Type Orange		All colors, except orange		Colorfastness <sup>3</sup>	
III	3 years	$80^{4}$	10 years	$80^{4}$	3 years
IX	Not	used	7 years	80 <sup>5</sup>	3 years
X (Fluorescent. Orange)	3 years	80 <sup>6</sup>	Not used		3 years
X (Modified)	Not used		7 years	80 <sup>7</sup>	3 years

<sup>&</sup>lt;sup>1</sup>Percent retained retroreflectivity of referenced table after installation and the field exposure time specified.

Heading (g), Sheeting Guaranty.

Delete Table 1015-5, Manufacturer's Guaranty-Reflective Sheeting and substitute the following.

<sup>&</sup>lt;sup>2</sup>All sheeting shall maintain its structural integrity, adhesion and functionality after installation and the field exposure time specified.

<sup>&</sup>lt;sup>3</sup>All colors shall conform to the color specification limits of ASTM D4956 after installation and the field exposure time specified.

<sup>&</sup>lt;sup>4</sup>ASTM D4956, Table 8.

<sup>&</sup>lt;sup>5</sup>ASTM D 4956, Table 3.

<sup>&</sup>lt;sup>6</sup>ASTM D 4956, Table 4.

<sup>&</sup>lt;sup>7</sup> DOTD Standard Specifications, Table 1015-a.

Table 1015-5
Manufacturer's Guaranty-Reflective Sheeting

Туре	sign face in its fi original effective the Department	eld location to its eness at no cost to if failure occurs	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 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

<sup>&</sup>lt;sup>1</sup>From the date of sign installation.

Subsection 1015.11 - Preformed Plastic Pavement Marking Tape (06/07), Pages 842 – 844.

Delete the contents of this subsection and substitute the following.

#### 1015.11 PREFORMED PLASTIC PAVEMENT MARKING TAPE.

- (a) General: Preformed plastic pavement marking tape shall be approved products listed on QPL 64 and shall comply with ASTM D4505 Retroreflectivity Level I or Level II, or DOTD Intersection Grade (as specified below), except as modified herein. The marking tape shall be Class 2 or 3. The type and color shall be in accordance with the plans and the MUTCD.
- (b) Thickness: All preformed plastic pavement marking tape shall have a minimum overall thickness of 0.060 inches (1.5 mm) when tested without the adhesive.
- (c) Friction Resistance: The surface of the Retroreflectivity Level II preformed plastic pavement marking tape shall provide a minimum frictional resistance value of 35 British Polish Number (BPN) when tested according to ASTM E303. The surface of the Retroreflectivity Level I and DOTD Intersection Grade preformed plastic pavement marking tape shall provide a minimum frictional resistance value of 45 BPN when tested according to ASTM E303. Values for the Retroreflectivity Level I material with a raised surface pattern as defined in ASTM D4505 are calculated by averaging values taken at downweb and at a 45 degrees angle from downweb.
- (d) Retroreflective Requirements: The preformed plastic pavement marking tape shall have the minimum initial specific luminance values shown in Table 1015-7 when measured in accordance with ASTM D 4061.

Table 1015-7
Specific Luminance of Preformed Plastic Tape

Trees				
			Specific Luminance	
	Observation	Entrance	(mcd/sq m/lx)	
Type	Angle, degrees	Angle, degrees	White	Yellow
Retroreflectivity Level I	1.05	88.76	500	300
DOTD Intersection Grade	1.05	88.76	375	250
Retroreflectivity Level II	1.05	88.76	250	175

(e) Durability Requirements: The DOTD Intersection Grade preformed plastic pavement marking tape shall show no appreciable fading, lifting or shrinkage for a least 12 months after placement when placed in accordance with the manufacturer's recommended procedures on pavement surfaces having a daily traffic count not to exceed 15,000 ADT per lane.

The Retroreflectivity Level I preformed plastic pavement marking tape shall show no appreciable fading, lifting or shrinkage for a least 4 years after placement for longitudinal lines and at least 2 years after placement for symbols and legends.

The Retroreflectivity Level I preformed plastic pavement marking tape shall also retain the following reflectance values for the time period detailed in Table 1015-8.

Table 1015-8
Retained Specific Luminance for Retroreflectivity Level I
Preformed Plastic Pavement Marking Tape

		00	Specific 1	Luminance
	Observation	Entrance	(mcd/s	sq m/lx)
<u>Time</u>	Angle, degrees	Angle, degrees	White	Yellow
1 year	1.05	88.76	400	240
4 years (2 years for symbols and legend)	1.05	88.76	100	100

(f) Plastic Pavement Marking Tape Guaranty (DOTD Intersection Grade and Retroreflectivity Level D: If the plastic pavement marking tape fails to comply with the performance and durability requirements of this subsection within 12 months for DOTD Intersection Grade and 4 years for Retroreflectivity Level I, the manufacturer shall replace the plastic pavement marking material at no cost to the Department.

#### **SECTION 1020 - TRAFFIC SIGNALS:**

Subsection 1020.01 – Traffic Signal Heads (06/07), Pages 873 – 884.

Delete the contents of Heading (a), General Requirements and substitute the following.

(a) General Requirements: Traffic signal sections, beacon sections and pedestrian signal sections shall be of the adjustable type. Materials and construction of each section shall be the same.

Signals shall be constructed for either 8 or 12-inch (200 mm or 300 mm) lens in accordance with the plans. Signal sections shall have three to five sections per face and beacon

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sections have only one section per face. Signal sections and associated brackets shall be finished inside and out with two coats of high grade dark olive green enamel, color number 14056 according to Federal Standard No. 595b with each coat independently baked. Visors shall be coated green on the outside and black on the inside. Edges shall be deburred and smooth with no sharp edges.

#### Subsection 1020.04 – Poles for Traffic Signal Systems (06/07), Pages 890 – 894.

Delete the sixth paragraph of Heading (a), Pedestal Support Signal Poles, and substitute the following.

Pedestals shall be finished with at least one coat of rustproofing primer, applied to a clean surface and one coat of dark olive green enamel, color number 14056 according to Federal Standard No. 595b

FOR INFORMATIONAL PURPOSES ONLY

## STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT



## CONSTRUCTION PROPOSAL RETURNABLES FOR

STATE PROJECT NO.
737-95-0035
CONTRACT SWEEPING OF US 165 & I-20
OUACHITA PARISH

#### **BID BOND**

A Bid Bond is required when the bidder's total bid accordance with Subsection 103.01 is greater than <i>Specifications</i> .)	• • •	
	, as Principal (Bidder)	
and	, as Surety,	
are bound unto the State of Louisiana, Department of Trathe Department) in the sum of five percent (5%) of the Department for payment, of which the Principal and Stadministrators, successors and assigns, as solidary obligors.	bidder's total bid amount as calculated by the	
Signed and sealed this day of		
The condition of this obligation is such that, when Department on a contract for the construction of <b>STATE SWEEPING OF US 165 &amp; I-20, Ouachita Parish</b> , is specified time, enters into the contract in writing and gives for payment and performance of said contract, this obligation	<b>PROJECT NO. 737-95-0035 CONTRACT</b> f the bid is accepted and the Principal, within the s bond with Surety acceptable to the Department	
Principal (Bidder or First Partner to Joint Venture)	If a Joint Venture, Second Partner	
By By		
Authorized Officer-Owner-Partner	Authorized Officer-Owner-Partner	
Typed or Printed Name	Typed or Printed Name	
Surety		
Ву	(Seal)	
By Agent or Attorney-	in-Fact	
Typed or Printed	Name	
To receive a copy of the contract and subsequent correspondence to the bid bonds, the following information must be		
Bonding Agency or Company Name	Address	
Agent or Representative	Phone Number / Fax Number	

07/07 Form CS-2A

#### 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(S). 737-95-0035

NAME OF PROJECT CONTRACT SWEEPING OF US 165 & I-20

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.		

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### 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	If Joint Venture, Name of Second Partner
(Louisiana Contractor's License Number of Bidder or First Partner to Joint Venture)	(Louisiana Contractor's License Number of Second Partner to Joint Venture)
(Business Street Address)	(Business Street Address)
(Business Mailing Address, if different)	(Business Mailing Address, if different)
(Area Code and Telephone Number of Business)	(Area Code and Telephone Number of Business)
(Telephone Number and Name of Contact Person)	(Telephone Number and Name of Contact Person)
(Telecopier Number, if any)	(Telecopier Number, if any)
ACTING ON BEHALF OF THE BIDDER, THIS IS TO ATTEST THAT THAT BOVE CAPTIONED FIRM, CORPORATION OR BUSINESS, BY SUBMACCURACY OF ALL PROVISIONS OF THIS PROPOSAL, INCLUSIVE CERTIFICATIONS ABOVE AND IN THE SCHEDULE OF ITEMS AND FROM AND SUBMISSION OF THE SCHEDULE OF ITEMS AND PROPEGALLY BINDING OFFER BY THE BIDDER.	MISSION OF THIS BID, AGREES AND CERTIFIES THE TRUTH AND OF THE REQUIREMENTS, STATEMENTS, DECLARATIONS AND PROPOSAL GUARANTY. EXECUTION AND SIGNATURE OF THIS
(Signature)	(Signature)
(Printed Name)	(Printed Name)
(Title)	(Title)
(Date of Signature)	(Date of Signature)
CONTRACTOR'S TOTAL BASE BID \$	
IT IS AGREED THAT THIS TOTAL, DETERMINED BY THE BIDDER, I PURPOSES OF OPENING AND READING BIDS ONLY, AND THAT TH PROJECT WILL BE DETERMINED FROM THE EXTENSION AND TOT	E LOW BID FOR THIS

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