REBID

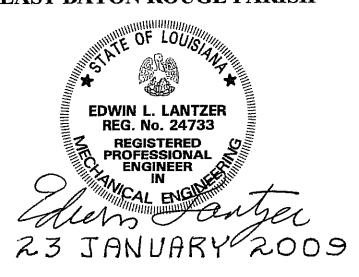
STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

CONSTRUCTION PROPOSAL



FEDERAL AID PROJECT

STATE PROJECT NO. 019-02-0051 I-110 (AVOCET ST) – LA 964 ROUTE US 61 EAST BATON ROUGE PARISH



STATE PROJECT NO. 019-02-0051 TABLE OF CONTENTS

	Page No.
Title Sheet	A-1
Table of Contents	B-1
Notice to Contractors	
Special Provisions	D-1 thru D-25
Supplemental Specifications:	
General Liability Policies (05/75)	E-1 thru E-14
Supplemental Specifications for 2006 Standard Specifications (08/08)	E-15 thru E-47
Female and Minority Participation in Construction (01/83)	E-48 thru E-55
Specific Equal Employment Opportunity Responsibilities (06/84)	E-56 thru E-61
Required Contract Provisions, Federal-Aid Construction Contracts	
(04/93) (Rev. 05/94)	F-1 thru F-10
DBE Participation in Federal Aid Construction Contracts	G-1 thru G-13
Project Sign Detail	H-1
Minimum Wage Determination	I-1 thru I-3
Plans (97 sheets)	J-1 thru J-97
Construction Proposal Returnables:	
Title Sheet	K-1
Bid Bond	L-1
Schedule of Items	M-1 thru M-16
Construction Proposal Signature and Execution Form	N-1 thru N-2

NOTICE TO CONTRACTORS (11/08)

Electronic bids and electronic bid bonds for the following project will be downloaded by the Department of Transportation and Development (DOTD) on Wednesday, February 25, 2009. Paper bids and paper bid bonds will not be accepted. Electronic bids and electronic bid bonds must be submitted through www.bidx.com prior to the electronic bidding deadline. Beginning at 10:00 a.m., all bids will be downloaded and posted online at http://www.dotd.la.gov/cgi-bin/construction.asp. No bids are accepted after 10:00 a.m.

REBID

DBE GOAL PROJECT

STATE PROJECT NO. 019-02-0051

FEDERAL AID PROJECT NO. 1705(513)

DESCRIPTION: I-110 (AVOCET ST) - LA 964

ROUTE: US 61

PARISH: EAST BATON ROUGE

LENGTH: 3.883 miles.

TYPE: GRADING, COLD PLANING, CLASS II BC, CLEANING AND RESEALING

JOINTS, PATCHING, DRAIN STRUCT, RUBBLIZING, SUPERPAVE ACP, RAP TREATED

INTERLAYER, SHOULDER DRAIN, AND RELATED WORK.

LIMITS: <u>State Project No. 019-02-0051</u>: LOC ON RT US 61 FROM ITS JCT WITH AVOCET ST. to ITS JCT W/RT LA 964 OP (INCL RAMP WORK BEYOND C/L TERMINI).

ESTIMATED COST RANGE: \$10,000,000 to \$15,000,000

PROJECT ENGINEER: GRAVES, PHIL; 10481 Old Hammond Highway, Suite D, Baton

Rouge, LA 70816, (225) 925-7921.

PROJECT MANAGER: BEAUVAIS, HEWITT.

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.

NOTICE TO CONTRACTORS (CONTINUED)

Paper 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. All Addenda, Amendments, Letters of Clarification, and Withdrawal Notices will be posted online. Paper notices will not be Construction proposal information may be accessed via the Internet at distributed. From the LA DOTD home page, select the following options: Doing www.dotd.la.gov. Business with DOTD, then Construction Letting Information. Once the Construction Letting Information page appears, find the Notice to Contractors box. From the drop down menu, select the appropriate letting date and press the "Go To button to open the page, which provides a listing of all projects to be let and a Construction Proposal Documents link for each project. All project specific notices are found here. It will be the responsibility of the bidder to check for updates. If paper copies of the proposal are desired, the proposal cost is \$25.00. Paper copies of the plans are included in the proposal (no additional charge). The purchase price for paper plans and proposals is non-refundable. Additionally, 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.

All questions concerning the plans shall be submitted via the Electronic Plans Distribution Center known as Falcon. Questions submitted within 96 hours of the bid deadline may not be answered prior to bidding. Falcon may be accessed via the Internet at www.dotd.la.gov. From the home page, select Doing Business with DOTD from the left-hand menu, then select Construction Letting Information on the pop-up menu. On the Construction Letting Information page, select the link, DOTD's Plan Room. Login to Falcon (or request an ID if a first-time user). Once logged in, you will have access to view Project Information, submit a question concerning the project, and view the plans. All submitted questions will be forwarded by email to the Project Manager and the Project Engineer for a response.

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.

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.

MANDATORY ELECTRONIC BIDS AND ELECTRONIC BID BONDS SUBMISSION (10/08): This project requires mandatory electronic bidding. All Specifications, whether Standard, Supplemental or Special Provisions, are hereby amended to delete any references regarding paper bids and the ability to submit paper bid forms.

The contractor shall register online to be placed on the Louisiana Department of Transportation and Development (LA DOTD) prospective bidders list or for information only list.

Modifications to proposal documents will be posted on the Department's website at the following URL address: www.dotd.la.gov/cgi-bin/construction.asp.

LA DOTD shall not be responsible if the bidder cannot complete and submit a bid due to failure or incomplete delivery of the files submitted via the internet.

DBE PARTICIPATION IN FEDERAL AID CONSTRUCTION CONTRACTS (02/07):

This project is a DBE goal project. In accordance with the Required Contract Provisions for DBE Participation in Federal Aid Construction Contracts elsewhere herein, the DBE goal for approved subcontracting work on this project is 5.0 percent of the total contract bid price. The contractor shall submit DOTD Form OMF-1A (Request to Sublet) and have it approved by the Department before any subcontract work is done on the project. Only those businesses certified by the Department as Disadvantaged Business Enterprises (DBEs) may be utilized in fulfillment of the DBE goal requirement. Such businesses are those certified by the Louisiana Unified Certification Program on the basis of ownership and control by persons found to be socially and economically disadvantaged in accordance with Section 8(a) of the Small Business Act, as amended and Title 49, Code of Federal Regulations, Part 26 (49 CFR 26).

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 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.

INTENT OF CONTRACT (11/95): Subsection 104.01, Intent of Contract, is amended to include the following.

(a) Covenant of Good Faith and Fair Dealing.

This contract imposes an obligation of good faith and fair dealing in its performance and enforcement.

The contractor and the Department agree from the beginning to focus on creative cooperation, to avoid adverse confrontation, and to foster mutual respect, along with a positive commitment to honesty and integrity, and agree to the following mutual duties.

- (1) Each will function within the laws and statutes applicable to their duties and responsibilities.
- (2) Each will communicate in an open and candid manner.

- (3) Each will assist in the other's performance.
- (4) Each will avoid hindering the other's performance.
- (5) Each will proceed to fulfill its obligations diligently.
- (6) Each will cooperate in the common endeavor of the contract.
- (b) Voluntary Partnering.

The Louisiana Department of Transportation and Development intends to encourage the foundation of a cohesive partnership with the contractor and its principal subcontractors and suppliers. This partnership will be structured to draw on the strengths of each organization to identify and achieve reciprocal goals. The objective is a cooperative approach to contract management that will reduce costs, litigation, and "stress" while completing the project in accordance with the plans and specifications.

This partnership will be bilateral in makeup, and participation in partnering will be totally voluntary and is not a requirement of the contract.

A partnering conference is to be implemented and held prior to beginning construction. The contractor's management personnel and the Project Engineer will initiate a partnering development conference. They, working with the assistance of the District Construction Engineer, will make arrangements to determine the facilitator, the attendees at the conference, agenda of the conference, duration, and location. Persons required to be in attendance will be the Project Engineer and key project personnel; the contractor's on-site project manager and key project supervision personnel of both the prime and principal subcontractors and suppliers. The project design engineers, FHWA, key company representatives, and key local government personnel will also be invited to attend as necessary. The contractor and DOTD will also be required to have Regional/District and Corporate/State level managers on the project team.

Any cost associated with effectuating this partnering will be agreed to by both parties and will be shared equally and will be paid for in accordance with Subsection 109.04. The contractor, DOTD, FHWA and all others invited to the partnering conference will be responsible for any expenses incurred by their respective employees which includes salaries, travel, and lodging.

Follow-up conferences may be held periodically throughout the duration of the contract as agreed by the contractor and the DOTD.

The establishment of a partnership charter on a project will not change the legal relationship of the parties to the contract nor relieve either party from any of the terms of the contract. This partnership charter is intended only to establish an environment of cooperation and communication between all parties involved with the completion of the project.

MAINTENANCE OF TRAFFIC (11/13/08): 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 conduct his paving operations on one side of the roadway at a time. The side of the roadway, including shoulder, that is open to traffic shall be clear at all times.

When the plans show asphaltic concrete pavement layers to be placed in thicknesses of 2 inches (50 mm) or less, the contractor will be permitted to pave in one lane for a full day; the adjacent lane may be paved the following workday. When pavement layers are greater than 2 inches (50 mm) thickness, the contractor shall use a Wedged Joint and will be permitted to pave in one lane for a full day; the adjacent lane shall be paved the following day or place approximately 1/2 of each day's production in one lane and the remainder in the adjacent lane.

At the end of each day's paving operations, temporary pavement markings shall be in place and proper signs and barricades displayed. During the period that all lanes are open to traffic, the contractor shall neither store material nor park equipment on roadway shoulders.

When asphaltic concrete pavement is cold planed to a depth of 2 inches (50 mm) or less, the contractor will be permitted to cold plane in one lane for a full day; the adjacent lane may be cold planed the following workday. When the depth of cold planing is greater than 2 inches (50 mm), the contractor shall cold plane approximately 1/2 of each day's production in one lane and the remainder in the adjacent lane.

All asphaltic concrete pavement new construction, overlays, and shoulder surfacing operations open to traffic shall be conducted in accordance with the following requirements.

- 1. Shoulder Subgrade Preparation: Any required embankment widening shall be completed before placement of the asphaltic concrete overlay. All vegetation shall be removed from existing shoulders before beginning temporary or final shoulder construction. When the Shoulder Wedge is required, the contractor shall blade and shape existing shoulder material to form a uniform surface under the wedge prior to placement of the asphaltic concrete overlay.
- 2. Temporary Shoulder Construction: Temporary shoulder construction described herein shall be completed at the end of each day's operations for all asphaltic concrete courses except the final wearing course. There shall be no drop-off from the pavement edge to the shoulder. The contractor shall blade and shape existing shoulder material against, and approximately level with, the top of the pavement surfacing to form a temporary shoulder with a uniform slope from the pavement edge to the existing shoulder line, or to a point 10 feet (3 m) from the pavement edge. If existing shoulder materials are insufficient, the contractor shall furnish, place and shape additional shoulder surfacing materials to form the temporary shoulder. Existing and/or additional materials for temporary shoulders shall be to the satisfaction of the engineer. Compaction shall be by approved methods.

No direct payment will be made for constructing and subsequently reshaping temporary shoulders, except payment for additional materials under appropriate pay items.

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.

LANE CLOSURE RESTRICTIONS: All lanes shall remain open to traffic except during the times when lane closures are allowed. Lane closures will be allowed only while work is being performed. When lane closures are allowed, at least one lane in each direction of travel shall remain open to traffic at all times. Contractor shall contact the Project Engineer and obtain his approval prior to closing any lanes. Only those lane closures which have been approved by the Project Engineer will be allowed.

SOUTHBOUND LANES

Southbound lane closures will be allowed on Mondays, Tuesdays, Wednesdays, and Thursdays, from 10:00 AM in the morning to 6:00 AM the following morning. On weekends, southbound lane closures will be allowed from 10:00 AM Friday morning to 6:00 AM the following Monday morning. All southbound lanes must be open to traffic and

no work is allowed on the southbound roadway from 6:00 AM to 10:00 AM on Mondays, Tuesdays, Wednesdays, Thursdays, and Fridays.

NORTHBOUND LANES

Northbound lane closures will be allowed on Mondays, Tuesdays, Wednesdays, and Thursdays, from 7:00 PM in the evening to 3:00 PM the following afternoon. On weekends, northbound lane closures will be allowed from 7:00 PM Friday evening to 3:00 PM the following Monday afternoon. All northbound lanes must be open to traffic and no work is allowed on the northbound roadway from 3:00 PM to 7:00 PM on Mondays, Tuesdays, Wednesdays, Thursdays, and Fridays.

CROSSOVERS AND LEFT TURN LANES

Only one crossover may be closed at any time. Left turn lanes serving a closed crossover must be closed at the same time as the crossover is closed.

No work shall be allowed, all lanes shall be open, and all time charges will stop during the New Years, Mardi Gras, Easter, Memorial Day, Independence Day, Labor Day, Thanksgiving, and Christmas holiday periods, as defined by the Project Engineer. No work shall be allowed, all lanes shall be open, and all time charges will stop during LSU and Southern University home football game weekend periods; as defined by the Project Engineer. No work shall be allowed, all lanes shall be open, and all time charges will stop during hurricane evacuation event periods, as defined by the Project Engineer.

LATE LANE OPENING PENALTIES: A late lane opening penalty will be charged to the contractor for any lane closure on any roadway or ramp which extends beyond the allowable closure times. The penalty shall include short-term closures due to moving operations. The penalty shall be computed in hourly increments only, with fractions of an hour rounded up to the next whole hour. The penalty shall be assessed per the following table:

Length of Closure Beyond	Hourly Penalty as a Percentage
the Allowable Closure Times	of the Daily Penalty
First Hour	25%
Second Hour	25%
Third Hour	25%
Fourth Hour	25%
Remaining Hours	No additional penalty

The late lane opening penalty shall be assessed at a rate of \$60,000 per day. Any monies assessed for late lane opening penalties shall be deducted from partial payments due the contractor as stipulated damages.

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.

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).

RAILWAY-HIGHWAY PROVISIONS: Subsection 107.08 of the 2006 Standard Specifications is amended as follows.

Heading (n) is amended to include the following. The required Railroad Protective Liability Insurance shall be purchased on behalf of Kansas City Southern Railway.

The ratio of the estimated cost of operations within the Railway's property to the total estimated project cost is 1.0 percent. No direct payment will be made for providing the required insurance coverages.

The project engineer will give the contractor a Railroad Right of Entry Permit Application to be submitted / approved for road work done on the railroad's right of way.

ENVIRONMENTAL PROTECTION (08/06): Subsection 107.14 of the 2006 Standard Specifications is amended to include the following paragraphs at the end of this subsection.

The Notice of Intent (NOI) will be submitted by the Department to the Louisiana Department of Environmental Quality (LADEQ) prior to the project letting. The project engineer will complete and submit the Notice of Termination (NOT) to the LADEQ after final stabilization of the site, in accordance with the terms of the permit.

The use of erosion control features or methods other than those in the contract shall be as directed.

The Storm Water Pollution Prevention Plan shall be comprised of Section 204 of the standard specifications along with applicable supplemental specifications and special provisions, and Standard Plan EC-01, "Temporary Erosion Control Details."

SUBLETTING OF CONTRACT (01/83): In accordance with Subsection 108.01 of the Standard Specifications, the following items are designated as "Specialty Items":

Item 703-01, Shoulder Underdrain Systems

Item 703-02, Shoulder Outlet Underdrains

Item 704-01-C, Guard Rail (Double Thrie Beam) (3'-1 1/2" Post Spacing)

Item 704-03, Blocked Out Guard Rail

Item 704-06-A, Guard Rail Anchor Sections (Trailing End) (Single Thrie Beam)

Item 704-11-B, Guard Rail End Treatment (Tangent)

Item 704-11-C, Guard Rail End Treatment (Bi-Directional)

Item 729-16-B, Object Marker Assembly (Type 2)

Item 729-16-C, Object Marker Assembly (Type 3)

Item 731-02, Reflectorized Raised Pavement Markers

Item 732-01-C, Plastic Pavement Striping (8" Width)

Item 732-01-E, Plastic Pavement Striping (24" Width)

Item 732-02-A, Plastic Pavement Striping (Solid Line) (4" Width)

Item 732-03-A, Plastic Pavement Striping (Broken Line) (4" Width)

Item 732-04-A, Plastic Pavement Legends & Symbols (Arrow)

Item 732-04-C, Plastic Pavement Legends & Symbols (Only)

Item 732-04-D, Plastic Pavement Legends & Symbols (RR Crossing)

Item 732-05, Removal of Existing Markings

Item 736-01, Trenching and Backfilling

Item 736-02, Conduit with Conductors (1" PEC Schedule 80, W/2 - #14 AWG

Conductors)

Item 736-09, Loop Detector

Item 736-10, Underground Junction Box

Item 736-12-A, Conductor, 2C (Loop Lead-in, #14 AWG)

Item S-002, Dynamic Message Sign Unit

PROSECUTION OF WORK (12/08): Subsection 108.04, Prosecution of Work of the Standard Specifications as amended by the supplemental specifications thereto, is further amended as follows.

108.04 PROSECUTION OF WORK.

Subpart (a), General is deleted and the following substituted.

(a) General: The contractor shall provide sufficient materials, equipment and labor to complete the project in accordance with the plans and specifications within the contract time. If the completed work is behind the approved progress schedule, the contractor shall take immediate steps to restore satisfactory progress and shall not transfer equipment or forces from uncompleted work without prior notice to, and approval of, the engineer. Each item of work shall be prosecuted to completion without delay. If prosecution of the work is discontinued for an extended period of time, the contractor shall give the engineer written notice at least 24 hours before resuming operations. The contractor's progress will be determined monthly at the time of each partial estimate, and will be based on the total amount earned by the contractor as reflected

by the partial estimate. If the contractor's progress is behind more than 20 percent behind the elapsed contract time, the contractor may be notified that he is not prosecuting the work in an acceptable manner. If requested by the Department the contractor must meet with and provide the project engineer with an acceptable written plan which details how the contractor will re-gain lost progress and prosecute remaining work. If the contractor's progress is more than 30 percent behind the elapsed contract time, the contractor and the surety will be notified that he is not prosecuting the work in an acceptable manner. The contractor must meet with and provide the project engineer with an acceptable written plan which details how the contractor will re-gain lost progress and prosecute remaining work.

Subpart (b), Disqualification is deleted and the following substituted.

(b) Disqualification: A contractor who is in default in accordance with Subsection 108.09(a)(1) of and progress is deficient by 10 percent or more shall be immediately disqualified. The contractor shall remain disqualified until the project has received a final inspection and has been recommended for final acceptance. 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.

During the period of disqualification, the contractor will not be permitted to bid on contracts nor be approved as a subcontractor on contracts. Any bid submitted by the contractor during the period of disqualification will not be considered and will be returned.

PAYMENT ADJUSTMENT (12/08): Section 109, Measurement and Payment of the 2006 Standard Specifications and the supplemental specifications thereto, is amended to add the following.

This project is designated for payment adjustment for asphalt cements and fuels in accordance with Subsection 109.09 as follows.

109.09 PAYMENT ADJUSTMENT (ASPHALT CEMENTS AND FUELS).

(a) General: Payment for contract items indicated herein will be adjusted to compensate for cost differentials of Performance Graded (PG) asphalt cements, gasoline, and diesel fuel when such costs increase or decrease more than 5 percent from the Department's established base prices for these items. The base price indices for asphalt cements and fuels will be the monthly price indices in effect at the time bids are opened for the project. The base price indices for asphalt cements will be as stated in paragraph (b) below. The base price index for fuels will be as stated in paragraph (c) below.

Payment adjustments will be made each monthly estimate period when a price index for this period varies more than 5 percent from its respective base price index. The monthly price indices to be used with each monthly estimate will be the price indices for the month in which the estimate period begins.

If the project is placed in default, payment adjustments will be based on the monthly price indices used for the last monthly estimate period prior to the project being placed in default, unless a monthly price index decreases in which case the lower monthly price index will be used.

If it is determined after completion of work on any eligible item that the total quantity paid to date must be adjusted to reflect more accurate quantity determinations, the Department will prorate the additional quantity to be added or subtracted over all previous estimate periods in which the item of work was performed in order to determine additional payment adjustments. If payment adjustments were made during any of these partial estimate periods, this added or

subtracted quantity that has been prorated will likewise have payment adjustments calculated and included.

(b) Performance Graded (PG) Asphalt Cements: The base price index will be the monthly price index in effect at the time of bid opening as shown elsewhere herein. The monthly price indices will be the average, excluding the extreme outliers, of the unit prices for PG 64-22, the average, excluding the extreme outliers, of the unit prices for PG 70-22m, and the average, excluding the extreme outliers, of the unit prices for PG 76-22m. The monthly prices for each of these asphalt materials will be F.O.B. refinery or terminal as determined from the quoted prices effective on the first calendar day of each month from suppliers of these materials. Suppliers considered are those who have requested to participate in the liquid asphalt index determination and have supplied materials on DOTD projects within the past twelve months. These suppliers and materials shall be listed on the Department's Qualified Products List (QPL 41) and must be marketed in Louisiana. For Asphalt Cements not listed above, the following shall be considered equivalent for payment adjustments:

Pay Item Equivalents Eligible for Asphalt Pay Adjustment

Performance Graded Asphalt Cement	Equivalent PG Asphalt Cement for Payment Adjustment
PG 58-28	PG 64-22
PG 64-22	PG 64-22
PG 70-22m	PG 70-22m
PG 76-22m	PG 76-22m
PG 82-22rm	PG 64-22

Payment adjustments will be made in accordance with the following formulas:

If Monthly Price Index exceeds Base Price Index,

$$P_a = (A - 1.05B) \times C \times D \times (1.00 + T)$$

If Base Price Index exceeds Monthly Price Index, $P_a = (0.95B - A) \times C \times D \times (1.00 + T)$

Where:

P_a = Price adjustment (increase or decrease) for asphalt cement.

A = Monthly Price Index for respective PG 64-22, PG 70-22m, or PG 76-22m

in dollars per ton/megagram.

B = Base Price Index for respective PG 64-22, PG 70-22m, or PG 76-22m in

dollars per ton/megagram.

C = Tons/megagrams of asphaltic concrete.

D = Percent of respective asphalt cement, per job mix formula, in decimals.

T = Louisiana sales tax percentage, in decimals.

(Note: Local tax is not considered)

The engineer will furnish the weights (mass) of asphaltic concrete placed during the monthly estimate period with the respective asphalt cement content, excluding the asphalt content in reclaimed asphaltic pavement (RAP) as per job mix formula. If the asphalt cement content changes during the estimate period, the respective weight (mass) of asphaltic concrete produced at each cement content will be reported.

All contract pay items using PG 58-28, PG 64-22, PG 70-22m, PG 76-22m, and PG 82-22rm shall be eligible for payment adjustments of asphalt materials; except no payment adjustment will be made for contract pay items under Subsection 510-01, "Pavement Patching", Section 507, "Asphaltic Surface Treatment", nor for any emulsions of cutbacks.

Item 510-02, Pavement Widening, and all contract pay items under Sections 502 and 508, will be eligible for payment adjustments of asphalt materials. No payment adjustment will be made for other asphalt materials, including emulsions and cutbacks.

The base price indices for asphalt cements and fuels will be posted on the DOTD internet website before the 10th calendar day of each month at the following URL: www.dotd.louisiana.gov/lettings/lac price index/priceindices.asp.

(c) Fuels: The base price index for this project will be the monthly price index in effect when bids are opened for the project. The monthly price index will be the minimum price quotations for unleaded gasoline and No. 2 diesel fuel listed for the New Orleans area in *Platt's Oilgram and Price Report* effective on the first calendar day of each month.

Payment adjustment will be made in accordance with the following formulas:

If Monthly Price Index exceeds Base Price Index,

$$P_a = (A - 1.05B) \times Q \times F$$

If Base Price Index exceeds Monthly Price Index, $P_a = (0.95B - A) \times Q \times F$

Where:

 P_a = Price adjustment.

A = Monthly Price Index in dollars per gallon/liter.

B = Base Price Index in dollars per gallon/liter.

Q = Pay Item Quantity (Pay Units).

F = Fuel Usage Factor Gal (L)/Pay Unit.

The following is a listing of contract pay items that are eligible for payment adjustment and the fuel usage factors that will be used in making such adjustment. Contract items that expand the items listed herein by use of letter or number designations are also eligible for fuel price adjustments; for example:

Item 601-01-G, Portland Cement Concrete Pavement 8 inches (200 mm) thick.

ELIGIBLE CONTRACT PAY ITEMS & FUEL USAGE FACTORS FOR FUEL PAYMENT ADJUSTMENT 7

ITEM NO.	PAY ITEM	UNITS	MIN. ORIGINAL CONTRACT		
			QUANTITY FOR PAY ADJUSTMENT	Diesel ²	Gasoline
203-01 ¹	General Excavation	gal/cu yd	10,000 cu yd	0.29	0.15
203-02	Drainage Excavation	gal/cu yd	10,000 cu yd	0,29	0.15
203-03 ¹	Embankment	gal/cu yd	10,000 cu yd	0.29	0.15
203-04	Nonplastic Embankment	gal/cu yd	10,000 cu yd	0.29	0.15
203-07	Borrow (Vehicular Measurement)	gal/cu yd	10,000 cu yd	0.29	0.15
301-01	Class I Base Course	gal/cu yd	3,000 cu yd	0.88	0.57
301-02	Class I Base Course (" Thick)	gal/sq yd	50,000 sq yd	0.04	0.03
302-01	Class II Base Course	gal/cu yd	3,000 cu yd	0.88	0.57
302-02	Class II Base Course ("Thick)	gal/sq yd	50,000 sq yd	0.04	0.03
303-01	In-Place Cement Stabilized Base Course	gal/sq yd	50,000 sq yd	0.04	0.03
304-02	Lime Treatment (Type B)	gal/sq yd	50,000 sq yd	0.04	0.03
304-03	Lime Treatment (Type C)	gal/sq yd	50,000 sq yd	0.04	0.03
304-04	Lime Treatment (Type D)	gal/sq yd	50,000 sq yd	0.04	0.03
305-01	Subgrade Layer (" Thick)	gal/sq yd	50,000 sq yd	0.04	0.03
308-01	In-Place Cement Treated Base Course	gal/sq yd	50,000 sq yd	0.04	0.03
401-01	Aggregate Surface Course (Net Section)	gal/cu yd	3,000 cu yd	0.88	0.57
401-02	Aggregate Surface Course (Adjusted Vehicular Measurement)	gal/cu yd	3,000 cu yd	0.88	0.57
502-01	Superpave Asphaltic Concrete	gal/ton	1000 ton	2.40^{3}	0.2
502-02	Superpave Asphaltic Concrete	gal/cu yd	500 cu yd	4.80 ⁴	0.4
502-03	Superpave Asphaltic Concrete ("Thick)	gal/sq yd	10,000 sq yd	0.13 ^{5,6}	0.016
508-01	Asphaltic Concrete (SMA)	gal/ton	1000 ton	2.40^{3}	0.2
	Pavement Widening	gal/sq yd	3,000 sq yd	0.86	0.24
601-01	Portland Cement Concrete Pavement (" Thick)	gal/sq yd	15,000 sq yd	0.11	0.15

¹ If project has both 203-01 & 203-03, only the item with larger quantity is eligible.

² For fuel adjustment purposes, the term "diesel" shall represent No. 2 or No. 4 fuel oils or any of the liquified petroleum gases, such as propane or butane.

³ If natural gas or coal is used instead of diesel for aggregate drying and heating the fuel usage factor shall be 1.67 gal/ton.

⁴ If natural gas or coal is used instead of diesel for aggregate drying and heating the fuel usage factor shall be 13.34 gal/cu yd.

⁵ If natural gas or coal is used instead of diesel for aggregate drying and heating the fuel usage factor shall be 0.09 gal/sq yd.

⁶ Per inch of thickness.

⁷ No fuel adjustment will be allowed for waste oil.

ELIGIBLE CONTRACT PAY ITEMS & FUEL USAGE FACTORS FOR FUEL PAYMENT ADJUSTMENT (METRIC)⁷

ITEM NO.	PAY ITEM	UNITS	MIN. ORIGINAL CONTRACT	FUEL USAG	E FACTORS
			QUANTITY FOR PAY ADJUSTMENT	Diesel ²	Gasoline
203-01 ¹	General Excavation	1/m ³	7,600 m ³	1.44	0.74
203-02	Drainage Excavation	l/m³	7,600 m ³	1.44	0.74
203-03 ¹	Embankment	l/m ³	7,600 m ³	1.44	0.74
203-04	Nonplastic Embankment	l/m³	7,600 m ³	1.44	0.74
203-07	Borrow (Vehicular Measurement)	1/m ³	7,600 m ³	1.44	0.74
301-01	Class I Base Course	l/m³	2,300 m ³	4.36	2.82
301-02	Class I Base Course (mm Thick)	1/m²	41,800 m ²	0.18	0.14
302-01	Class II Base Course	1/m ³	2,300 m ³	4.36	2.82
302-02	Class II Base Course (mm Thick)	l/m²	41,800 m ²	0.18	0.14
303-01	In-Place Cement Stabilized Base Course	1/m ²	41,800 m ²	0.18	0.14
304-02	Lime Treatment (Type B)	l/m ²	41,800 m ²	0.18	0.14
304-03	Lime Treatment (Type C)	l/m ²	41,800 m ²	0.18	0.14
304-04	Lime Treatment (Type D)	l/m²	41,800 m ²	0.18	0.14
305-01	Subgrade Layer (mm Thick)	1/m²	41,800 m ²	0.18	0.14
308-01	In-Place Cement Stabilized Base Course	l/m²	41,800 m ²	0.18	0.14
401-01	Aggregate Surface Course (Net Section)	l/m³	2,300 m ³	4.36	2.82
401-02	Aggregate Surface Course (Adjusted Vehicular Measurement)	l/m³	2,300 m ³	4.36	2.82
502-01	Superpave Asphaltic Concrete	l/Mg	900 Mg	10.01 ³	0.83
502-02	Superpave Asphaltic Concrete	l/m³	400 m ³	23.77 ⁴	1.98
502-03	Superpave Asphaltic Concrete (mm Thick)	l/m²	8,400 m ²	0.59 ^{5,6}	0.45 ⁶
508-01	Asphaltic Concrete (SMA)	l/Mg	900 Mg	10.01 ³	0.83
510-02	Pavement Widening	l/m ²	2,500 m ²	3.89	1.09
601-01	Portland Cement Concrete Pavement (mm Thick)	l/m²	12,500 m ²	0.5	0.68

- If project has both 203-01 & 203-03, only the item with larger quantity is eligible.
- 2 For fuel adjustment purposes, the term "diesel" shall represent No. 2 or No. 4 fuel oils or any of the liquified petroleum gases, such as propane or butane.
- 3 If natural gas or coal is used instead of diesel for aggregate drying and heating the fuel usage factor shall be 6.97 l/mg.
- 4 If natural gas or coal is used instead of diesel for aggregate drying and heating the fuel usage factor shall be 16.53 1/m³.
- 5 If natural gas or coal is used instead of diesel for aggregate drying and heating the fuel usage factor shall be 0.41 l/m².
- 6 Per mm of thickness.
- 7 No fuel adjustment will be allowed for waste oil.

BLENDED CALCIUM SULFATE (12/08): Section 302 of the 2006 Standard Specifications as amended by the supplemental specifications thereto, is further amended as follows.

Subsection 302.01 Description. The third paragraph is amended to include the following. (6) Blended Calcium Sulfate.

Subsection 302.02 Materials. The first paragraph is amended to include the following. Blended Calcium Sulfate 1003.01 & 1003.03 (e)

Subsection 302.04 General Construction Requirements. This subsection is amended to include the following.

Blended calcium sulfate will be allowed in areas of new alignment, fill areas, and cut areas less than one foot.

In cut areas greater than one foot (300 mm), an additional one foot (300 mm) of undercut will be required prior to placement of BCS. The additional undercut area shall be replaced with non-plastic sand embankment and encapsulated with a Class D geotextile fabric. The additional non-plastic material, geotextile fabric, and undercut shall be at no additional cost to the Department.

Blended calcium sulfate will not be allowed in areas needed to facilitate traffic control or when a soil cement base course is specified in the plans. Blended calcium sulfate shall not be placed within 10 feet (3.0 m) of metal drainage structures. The contractor will be allowed to substitute any untreated Class II base course material listed in Subsection 302.01. Flowable fill under Section 710, or other approved backfill material in Section 701 shall be used to backfill the drainage structure.

Subsection 302.05 Mixing. Heading (f) is added as follows.

(f) Blended Calcium Sulfate: Calcium sulfate shall be blended with an approved aggregate or lime prior to placement. The blended calcium sulfate material shall be uniformly mixed and sampled from dedicated stockpiles. Gradation sampling in accordance with Subsection 1003.03 shall be taken from the dedicated stockpiles at the point of material origin.

Subsection 302.06 Transporting and Placing on Subgrade. This subsection is amended to include the following.

Water shall be added or other suitable means taken to prevent dust during the transporting and placing of dry blended calcium sulfate.

Subsection 302.07 Compacting and Finishing. Heading (e) is added as follows.

(e) Blended Calcium Sulfate: Blended calcium sulfate shall be placed and spread on the subgrade and compacted to produce layers not exceeding 12 inches (300 mm) compacted thickness. During placement the material shall be thoroughly wetted by application of water to maintain 2 to 4 percent above optimum moisture. After application of water, allow the moisture to reach equilibrium in the base before applying rolling techniques. Rolling of BCS is required to the edge of the embankment or subgrade. Each layer shall be compacted to at least 95 percent of maximum dry density or compacted by an approved established rolling pattern determined by the project engineer before the next layer is placed. Optimum moisture and maximum density shall be determined in accordance with DOTD TR 418 Method G modified to include a maximum drying temperature of 140°F (60°C).

Heading (f) is added as follows.

(f) Proof Rolling: Proof rolling shall be done by a load of 25 tons (25 Mg) in a 12 to 14 cubic yard (9 to 10.5 cubic meters) tandem dump truck with ten wheels or approved loaded truck determined by the project engineer. Proof rolling shall be a minimum of 5 passes in each direction at the same locations and at a maximum vehicle speed of 3 mph (4.8 km/h).

All BCS base will be tested by proof rolling prior to placement of surfacing material, including asphalt binder. Any irregularities or soft spots shall be corrected prior to placement of the surfacing material. Any rain event on the project site between the proof rolling and placement of the surfacing will require an additional proof rolling as noted above.

Subsection 302.09 Protection and Curing. Heading (c) is added as follows.

(c) Blended Calcium Sulfate: Protection and curing of blended calcium sulfate shall be in accordance with Subsection 302.09(b).

Subsection 302.12 Acceptance Requirements. Heading (a) is amended to include the following.

The acceptance requirements for blended calcium sulfate base course shall be the same as stone base course with the following modifications. Upon completion of compaction operations, the density will be determined in accordance with DOTD TR 401 except that all moisture content determinations for density calculations shall be conducted by oven drying the material for 24 hours at 140°F (60°C). A forced draft type oven capable of maintaining the temperature shall be provided by the contractor for field moisture content determination for density control.

SUPERPAVE ASPHALTIC CONCRETE MIXTURES (11/08): Section 502, Superpave Asphaltic Concrete Mixtures of the 2006 Standard Specifications as amended by the supplemental specifications thereto, is further amended as follows.

Subsection 502.04, Job Mix Formula Validation.

Delete the first sentence of the sixth paragraph and substitute the following.

A JMF is considered validated if the following parameters are 71 percent within limits of the JMF and meet the specifications requirements.

Subsection 502.05, Plant Quality Control.

Delete the first paragraph and substitute the following.

For quality control purposes, the contractor shall obtain a minimum of two (2) samples of mixture from each sublot using a stratified random sampling approach. Test results for theoretical maximum specific gravity (G_{mm}) and measured bulk specific gravity (G_{mb}) at N_{max} and percent G_{mm} at $N_{initial}$, on samples of each sublot shall be reported. Control charts may be requested by the engineer if mixture problems develop. Quality control gyratory samples may be aged or unaged at the contractor's option, but the method chosen shall be used consistently throughout the project. If aged samples are used, report the measured G_{mb} at N_{max} . If unaged samples are used, report the estimated G_{mb} at N_{max} . One loose mix sample shall be taken from each sublot after placement of the mix in the truck. The mix shall be tested by the contractor at the plant for aggregate gradation, asphalt content and percent crushed aggregate. The mix shall be tested in accordance with DOTD TR 309, TR 323 and TR 306. The lot average and standard deviation shall be determined for aggregate gradation and asphalt content. The percent within limits (PWL) shall be determined on the Nos. 8 and 200 (2.36 mm and 75 μ m) sieves and for G_{mm} . Corrective action shall be taken if these parameters fall below 71 PWL. For each lot, the contractor shall report all quality control data to the DOTD Certified Plant Technician. The full

range of gradation mix tolerances will be allowed even if they fall outside the control points. The District Laboratory Engineer may require re-validation of the mix when the average of the Quality Control data indicates non-compliance with the specified limits or tolerances.

Subsection 502.15, Measurement.

Subheading (c), Surface Tolerance Incentive Measurement.

Delete the first paragraph and substitute the following.

At the completion of construction of the project, an independent certified profiler such as that of a private company or the Materials and Testing Section, approved by the Department, shall be used to measure a continuous profile from the start station to the end station of the construction project for the purpose of determining qualification for incentive pay under Subsection 502.16(e). Bridges and 300 feet (90 m) on each end of the bridge will be excluded from measurements for surface tolerance incentive pay.

Delete Table 502-7A, Payment Adjustment Schedule for Plant Acceptance and substitute the following.

Table 502-7A
Payment Adjustment Schedule for Plant Acceptance

Air Voids PWL (90 AQL)	Percent Payment
71-100	100
61-70	90
51-60	80
≤50	50 or Remove ¹

¹At the option of the Department after investigation.

Delete Table 502-7B, Payment Adjustment Schedule for Roadway Density and substitute the following.

Table 502-7B
Payment Adjustment Schedule for Roadway Density

Roadway Density PWL (90 AQL)	Percent Payment			
99-100	102			
81-98	100			
71-80	95			
51-70	80			
≤50	50 or Remove ¹			

¹At the option of the Department after investigation.

Delete Table 502-8A, Payment Adjustment Schedules for Longitudinal Surface Tolerance, Maximum International Roughness Index, inches per mile (mm per km) and substitute the following.

Table 502-8A Payment Adjustment Schedules for Longitudinal Surface Tolerance, Maximum International Roughness Index, inches per mile (mm per km)

Percent of Contract Unit Price (by Sublot) ¹	102%²	100%	90%	80%	50% or Remove ³
Category A All Interstates, Multi-Lift New Construction and Overlays of More than two Lifts	<45 (<710)	<65 (<1030)	65-75 (1030-1180)	NA	>75 (>1180)
Category B One or Two Lift Overlays Over Cold Planed Surfaces, and Two-Lift Overlays Over Existing Surfaces⁴	<55 (<870)	<75 (<1180)	75-89 (1180-1400)	NA	>89 (>1400)
Category C Single-Lift Overlays Over Existing Surfaces ⁴	N/A	<85 (<1340)	85-95 (1340-1500)	>95-110 (>1500-1740)	>110 (>1740)
Longitudinal Surface Tolerance Incentive Pay, Final Completion, Average of All Travel Lanes ⁵			≤ 45 (≤ 710)		

¹Or portion of sublot placed on the project.

Delete Table 502-8B, Individual Wheelpath Deficient Area Limits, Maximum International Roughness Index, Inches per Mile (mm per km) and substitute the following.

Table 502-8B Individual Wheelpath Deficient Area Limits Maximum International Roughness Index, inches per mile (mm per km)

Any 0.05 Mile (0.08 km) Segment	Wearing Course	Binder Course
Category A	89 (1400)	130 (2050)
Category B	99 (1560)	150 (2370)
Category C	N/A	N/A

TEMPORARY TRAFFIC CONTROL (09/08): Section 713 of the 2006 Standard Specifications and the Supplemental Specifications is amended as follows:

Subsection 713.04, Temporary Signs and Barricades, is amended to include the following:

(d) Project Signs: The contractor shall furnish, install, maintain, and upon completion of the project remove "project signs" in accordance with the following requirements.

Project signs shall conform to the requirements of Section 713 and the project sign detail contained elsewhere herein. Shop drawings will be furnished to the successful bidder by contacting the Department's Traffic Services Sign Shop at (225) 935-0121 or (225) 935-0142.

²Maximum payment for sublots with exception areas, exclusions or grinding is 100 percent, unless the excluded area is a bridge end.

³At the option of the engineer.

Existing surfaces include reconstructed bases without profile grade control.

⁵Only Category A projects are eligible for incentive. However, any grinding except within 300 feet (90 m) of a bridge end will cause the roadway to be ineligible for surface tolerance incentive pay. Measurements must be verified by an independent entity.

Project signs shall be required at the beginning and end of the project and shall follow sign G-20-1, "Road Work Next 'X' Miles", or as directed by the engineer.

Payment for project signs shall be included in the contract unit price for Item 713-01 Temporary Signs and Barricades.

PLASTIC PAVEMENT MARKINGS (09/07): Section 732 of the 2006 Standard Specifications and the supplemental specifications thereto, is amended as follows.

Subsection 732.03, Construction Requirements for Plastic Pavement Marking Material. Heading (a) is amended as follows.

The first paragraph is deleted and the following substituted.

(a) Equipment for Standard (Flat) Thermoplastic Marking Material: The application equipment shall consist of an extrusion die or a ribbon gun that simultaneously deposits and shapes lines at a thickness of 90 mils (2.3 mm) or greater on the pavement surface. When restriping onto existing thermoplastic markings, only a ribbon gun shall be used. Finished markings shall be continuous and uniform in shape, and have clear and sharp dimensions. Applicators shall be capable of producing various widths of traffic markings. Applicators shall produce sharply defined lines and provide means for cleanly cutting off stripe ends and applying broken lines. The ribbon extrusion die or shaping die shall not be more than 2 inches (50 mm) above the roadway surface during application. A spray application will only be allowed when applying 40 mil (1.0 mm) thermoplastic.

Heading (e) is deleted and the following substituted.

(e) Application of Surface Primer: A single component surface primer will be required prior to placement of preformed plastic markings over an existing painted stripe, over oxidized asphalt, or when striping over existing thermoplastic on portland cement concrete surfaces unless otherwise directed by the engineer. A two component epoxy primer sealer will be required prior to placement of thermoplastic materials on portland cement concrete surfaces unless otherwise directed by the engineer.

ASPHALT MATERIALS AND ADDITIVES (04/08): Section 1002 of the 2006 Standard Specifications and the supplemental specifications thereto is amended as follows.

Subsection 1002.02, Asphalt Material Additives is amended as follows.

Table 1002-1, Performance Graded Asphalt Cements is deleted and the following substituted.

Table 1002-1
Performance Graded Asphalt Cements

	2 01101111W	1100 01 11 11 11	Asphan Ceme	AR UL		
Dronarty	AASHTO Test	PG82-22rm ⁶	PG76-22m	PG70-22m	PG64-22	PG58-28
Property	Method	Spec.	Spec.	Spec.	Spec.	Spec.
Tests on Original Binder:						
Rotational Viscosity @ 135°C, Pa·s 1	T 316	3.0	3.0	3.0	3.0	3.0
Dynamic Shear, 10 rad/s, G*/Sin Delta, kPa	T 315	1.00+ @ 82°C	1.00+ @ 76°C	1.00+ @ 70°C	1.30+ @ 64°C	1.00+ @ 58°C
Flash Point, °C	T 48	232+	232+	232+	232+	232+
Solubility, % ²	T 44	N/A	99.0+	99.0+	99.0+	99.0+
Separation of Polymer, 163°C, 48 hours, degree C difference in R & B from top to bottom ⁵			2-	2-	van mar van	
Force Ductility Ratio $(f_2/f_1, 4^{\circ}C, 5 \text{ cm/min.}, f_2 @ 30 \text{ cm} \\ \text{elongation})^3$			0.30+			Made Start
Force Ductility, (4°C, 5 cm/min, 30 cm elongation, kg) ³	T 300			0.23+		, and man and
Tests on Rolling Thin Film	T 240					
Oven Residue:						
Mass loss, %	T 240	1.00-	1.00-	1.00-	1.00-	1.00-
Dynamic Shear, 10 rad/s, G*/Sin Delta, kPa	T 315	2.20+ @ 82°C	2.20+ @76°C	2.20+ @ 70°C	2.20+ @ 64°C	2.20+ @ 58°C
Elastic Recovery, 25°C, 10 cm elongation, % ⁴	T 301	60+	60+	40+		
Ductility, 25°C, 5 cm/min, cm	T 51				100+	
Tests on Pressure Aging Vessel Residue:	R 28					
Dynamic Shear, @ 25°C, 10 rad/s, G* Sin Delta, kPa	T 315	5000-	5000-	5000-	5000-	5000- @ 19°C
Bending Beam Creep Stiffness, S, MPa @ -12°C.	T 313	300-	300-	300-	300-	300- @ -18°C
Bending Beam Creep Slope, m value,@ -12°C	Т 313	0.300+	0.300+	0.300+	0.300+	0.300+ @ -18°C

The rotational viscosity will be measured to determine product uniformity. The rotational viscosity measured by the supplier shall be noted on the Certificate of Delivery. A binder having a rotational viscosity of 3.0 Pa·s or less will typically have adequate mixing and pumping capabilities. Binders with rotational viscosity values higher than 3.0 Pa·s should be used with caution and only after consulting with the supplier as to any special handling procedures and guarantees of mixing and pumping capabilities.

Not all polymers are soluble in the specified solvents. If the polymer modified asphalt digested in the solvent will not pass the filter media, a sample of the base asphalt used in making the

polymer modified asphalt should be tested for solubility. If the solubility of the base asphalt is at least 99.0%, the material will be considered as passing.

³AASHTO T 300 except the second peak (f2) is defined as the stress at 30 cm elongation.

Add the following Table 1002-12, Anionic Trackless Tack Coat Grade NTSS-1HM.

Table 1002-12 Anionic Trackless Tack Coat Grade NTSS-1HM

	AASHTO	Specification Deviation		
Property	Test Method	100% Pay	50% Pay or Remove ¹	
Viscosity, Saybolt Furol @ 25°C, s	T 59	15 - 100		
Storage Stability, 24 Hour, %	T 59	1.0-		
Settlement, 5 Days, %	T 59	5.0-		
Residue by Distillation, %	T 59	50+	49-	
Oil Distillate, %	T 59	1.0-		
Sieve Test ² , (Retained on the 850 μm), %	T 59	0.3-		
Tests on Residue				
Penetration @ 25°C, 100g, 5s, dmm	T 49	20-		
Softening Point, Ring and Ball, °C	T 53	65+	64-	
Solubility, %	T 44	97.5+		
DSR @ 25°C; G*Sin δ, 10 rad / s, kPa	T 315	1.0+		

At the option of Engineer.

BASE COURSE AGGREGATES (07/08): Subsection 1003.03 of the 2006 Standard Specifications is amended to include the following.

(e) Blended Calcium Sulfate: When blended calcium sulfate base course material is allowed on the plans, it shall consist of calcium sulfate from a source approved by the Materials and Testing Section and be blended with an approved aggregate or lime. The source shall have a quality control program approved by the Materials and Testing Section. The source shall have been given environmental clearance by the Department of Environmental Quality for the intended use, and written evidence of such environmental clearance shall be on file at the Materials and Testing Section. DOTD monitoring for compliance with environmental regulations will be limited to the pH testing stated herein below. The blended material shall be non-plastic and reasonably free from organic and foreign matter. The pH shall be a minimum of 5.0 when tested in accordance with DOTD TR 430. Re-evaluation will be required if the source of the aggregate or lime that is blended with the calcium sulfate changes.

Blended calcium sulfate material used as base course shall comply with the following gradation requirements when tested in accordance with DOTD TR 113, modified to include a

⁴AASHTO T 301 except elongation shall be 10 cm.

⁵Prepare samples per ASTM D 7173. Determine softening point of top and bottom per AASHTO T 53.

⁶The quality assurance plan for this product will require the contractors who use this material to submit written documentation of tank cleaning annually. Contractors must have tank mixers. Written certificates of analysis from the asphalt binder supplier confirming rubber source and size distribution of rubber used shall be furnished to the Materials Laboratory.

² Sieve tests may be waived if no application problems are present in the field.

maximum drying temperature of 140°F (60°C). Sampling shall be taken from an approved stockpile at the point of origin.

U.S. Sieve	Metric Sieve	Percent Passing
1-1/2 inch	37.5 mm	60 - 100
1 inch	25.0 mm	40 - 80
3/4 inch	$19.0 \mathrm{\ mm}$	30 - 70
No. 4	4.75 mm	20 - 65
No. 200	75 μm	0 - 25

Blended calcium sulfate shall be sampled in accordance with the requirements for stone in Section 302 of the Materials Sampling Manual.

ITEM S-001, RUMBLE STRIPS (GROUND-IN)(04/01): This item consists of cutting 1/2 inch (13 mm) deep depressions into asphaltic concrete shoulders in accordance with plan details, this special provision, and as directed.

The cutting tool shall be equipped with a rotary type cutting head and a power unit. The cutting head shall have the cutting tips arranged in a pattern to provide a relatively smooth cut (approximately 1/16 inch (1.5 mm) between peaks and valleys). The cutting head shall be suspended independently from the power unit to allow the cutting head to self-align with the slope of the shoulder and any irregularities in the shoulder surface. The cutting tool shall be equipped with guides to provide a consistent alignment of each cut in relation to the roadway and to provide uniformity and consistency throughout the project.

The rumble strips shall be cut into the finished shoulders after the final wearing course has been placed.

Solid residue resulting from cutting operations shall be removed from pavement and shoulder surfaces by the contractor before such residue is blown by traffic or wind.

The contractor shall demonstrate to the project engineer the ability to achieve the desired surface inside each depression without tearing or snagging the asphalt prior to beginning the work.

Acceptance measurements will be performed by the Department on a random basis to ensure conformance with the specifications.

Rumble strips (ground-in) will be measured by the mile (km), plan quantity, constructed and accepted in accordance with these specifications. The plan quantity is based on the roadway length minus bridge lengths for each shoulder on which ground-in rumble strips are constructed.

Payment for rumble strips (ground-in) will be made at the contract unit price in accordance with Subsection 109.02.

Payment will be made under:

Item S-001, Rumble Strips (Ground-in), per mile (km).

ITEM S-002, DYNAMIC MESSAGE SIGN UNIT (12/04): This work consists of furnishing, operating and maintaining solar powered portable dynamic (changeable) message signs to be used at locations designated on the plans or as directed by the engineer.

The dynamic message sign shall be in good operational condition when delivered to the job site. The engineer will inspect the signs, and if they are found to be in good operational condition with all working parts functioning, the signs will be approved for use on the project.

The message sign shall consist of three separate lines. Each line shall consist of eight characters. Each character shall nominally be 18 inches (450 mm) in height. The width shall be adequate to meet the below legibility requirements. Each character shall be a 5 x 7 LED module or hybrid LED disk. Characters shall be separated at a distance such that the legibility requirements are maintained.

All internally illuminated portions of the sign shall be amber in color. All other illuminated surfaces meant for message display shall be fluorescent yellow. All other surfaces on the front panel shall be flat black in color.

The sign shall be clearly visible under all conditions and all lanes of travel from a distance of 1000 feet (300 m) perpendicular to the sign center. The sign shall maintain this legibility throughout the entire project. The contractor shall be responsible for maintaining this minimum legibility. Determination of legibility distance shall rest solely with the engineer.

The portable dynamic message sign shall be used in conjunction with other traffic signs and devices in accordance with the plans, project specifications and as directed by the engineer.

The signs shall be stored in an approved secure storage area when not in use. The contractor shall be required to perform all maintenance operations recommended by the manufacturer and keep adequate records of such operations.

The signs shall be kept clean and in good repair at all times. This includes keeping unit clean.

Measurement of the dynamic message sign unit will be per each.

Payment for the dynamic message signs will be made at the contract unit price per each which will be full compensation for furnishing, operating, relocating and maintaining the unit during the life of the contract and includes all equipment, tools, labor and incidentals necessary for this item of work.

Payment will be made under:

Item S-002, Dynamic Message Sign Unit, per each.

ITEM S-003, CLEANING EXISTING DITCHES: This work consists of cleaning existing ditches to re-establish widths, slopes, and inverts, and disposing of materials removed from these ditches.

Ditches to be cleaned will be marked by the Project Engineer. Widths, slopes, and inverts to be re-established shall be determined by the Contractor and as approved by the Project Engineer.

Contractor shall remove dirt, debris, sediment, and other materials from the ditch and shall dispose of same in accordance with Subsection 202.02. Ditch bottom and slopes shall be graded to drain and prevent water standing in the ditch. Contractor shall prevent debris and other materials from moving into culverts, catch basins, and other drainage structures. Flushing or washing of debris and materials into drainage structures will not be permitted. Contractor shall exercise care to prevent damage to existing culverts, catch basins, and other drainage structures.

Cleaning of existing ditches will be measured per linear foot of ditch satisfactorily cleaned, and will be paid for at the contract unit price per linear foot.

Payment will be made under:

Item S-003, Cleaning Existing Ditches, per linear foot.

ITEM S-004, SAW CUTTING OF PORTLAND CEMENT CONCRETE PAVEMENT (10" DEEP): This work consists of saw cutting existing portland cement concrete pavement prior to removal of the pavement.

Cutting shall be done using a concrete saw designed for cutting portland cement concrete pavement. Saw cuts shall be made at locations and along lines indicated on the plans

and/or as marked by the Project Engineer. The Project Engineer may direct that the actual cut depth be greater or less than 10", where necessary due to change in pavement thickness or for other conditions. Length of cuts shall be sufficient to achieve full depth of cut as marked.

Contractor shall prevent water and cutting debris from moving into catch basins, pipes, or other drainage structures. Travel lanes which are open to traffic shall be maintained free of water and cutting debris at all times.

Payment will be made at the contract unit price per linear foot. When the engineer directs that cut depth be less than 10", payment will be made at the contract unit price with no deduction for depth. When the engineer directs that cut depth be greater than 10", payment for the additional depth will be made as follows. The value per inch depth will be determined by dividing the contract unit price per linear foot by 10". Payment for the additional depth will be made at 100 percent of the value per inch thus determined.

Saw Cutting of Portland Cement Concrete Pavement will be measured per linear foot of saw cut satisfactorily completed.

Payment will be made under:

Item S-004, Saw Cutting of Portland Cement Concrete Pavement (10" Deep), per linear foot.

ITEM S-005, CLEANING CONCRETE CURB: This work consists of cleaning existing concrete curb, leveling and mowing the ground surface behind the curb, and disposing of materials removed.

The Project Engineer will mark sections of curb to be cleaned. Contractor shall remove all vegetative growth, soil materials, and rubbish from the gutter, face, and top of curb, by mechanical means or by other methods acceptable to the Project Engineer. Contractor shall level the ground surface from back of curb to near edge of sidewalk if sidewalk exists, or from back of curb for a width of ten feet, if no sidewalk exists. High spots on the ground shall be removed, and any holes or depressions shall be filled with borrow material meeting the requirements of Section 203 of the Specifications. After completion of leveling, contractor shall mow from back of curb to sidewalk if existing, or if no sidewalk exists, from back of curb for a width of ten feet. Mowing shall be in accordance with DOTD maintenance standards.

During cleaning, contractor shall prevent debris from moving into catch basins, pipes, or other drainage structures. Contractor shall prevent debris from moving onto sidewalks and private properties. Travel lanes which are open to traffic shall be maintained free of debris during cleaning. Flushing, washing, or blowing of debris off the right-of-way will not be permitted. Material shall be removed and disposed of by the contractor in accordance with Subsection 202.02.

Cleaning of existing concrete curb will be measured per linear foot of curb, and will be paid for at the contract unit price per linear foot.

Payment will be made under:

Item S-005, Cleaning Concrete Curb, per linear foot.

ITEM S-006, FORESLOPE REPAIR: This work consists of repairing foreslopes within the right-of-way.

Project Engineer will mark the limits of foreslope areas to be repaired. Contractor shall place, compact, and finish borrow material on the existing foreslope within the marked limits to achieve the required cross slopes and elevations shown on the plans, or as directed by the Project Engineer. Prior to placing borrow, the existing foreslope shall be scarified in accordance with Specifications Subsection 306.02. Heavy sod and objectionable vegetation shall be removed from the area on which borrow is to be placed. Borrow shall be placed and compacted in

accordance with Subsection 203.07. Care shall be taken to prevent damage to existing fences, and to culverts, catch basins, and other structures. Where plans require that existing catch basins be adjusted, contractor shall coordinate catch basin adjustment and foreslope repairs to achieve required slopes and ensure proper drainage.

Required borrow will be furnished, measured, and paid for under Item 203-07.

Foreslope repair will be measured per square yard of foreslope satisfactorily repaired, including scarifying the area, and placing, compacting, & finishing borrow. Foreslope repair will be paid for at the contract unit price per square yard.

Payment will be made under:

Item S-006, Foreslope Repair, per square yard.

ITEM S-007, PAVEMENT & BASE REPAIR AT RUBBLIZED PAVEMENT (20" THICK):

This work consists of repairing pavement and base within areas of rubblized portland cement concrete pavement, including locations where deep asphaltic concrete patches have been removed.

The contractor shall identify areas of damaged, failed, or otherwise unsuitable pavement and/or base, and the locations of patches to be removed, and advise the Project Engineer. The Project Engineer will mark the limits of the areas to be repaired. Contractor shall remove rubblized pavement, base, and subbase within the marked limits, to a depth of 20 inches below the rubblized pavement surface. Deep asphaltic concrete patches, base, and subbase shall be removed to a depth of 20 inches below the rubblized pavement surface. The excavation shall be cleaned of deleterious material to the satisfaction of the Engineer. Base material meeting the requirements of this Provision shall be placed on the subgrade and compacted in lifts not exceeding 10" in thickness before compaction, for the full depth of the excavation. The compacted material shall be finished level with the top surface of the adjacent rubblized pavement.

Only approved materials shall be used to fill the excavation. Backfilling with rubblized material will not be allowed. Removed materials, including rubblized pavement, existing base and subbase, and asphaltic concrete patches, shall be disposed of by the contractor in accordance with Subsection 202.02.

Base material used to replace removed materials shall be Class II base course, stone or recycled portland cement concrete material only, meeting the requirements of Section 302, and shall be compacted to meet the density requirements of that Section.

Pavement & base repair at rubblized pavement will be measured per square yard of pavement area satisfactorily repaired, and will be paid for at the contract unit price per square yard, which includes removal of existing pavement, base, and subbase; furnishing, placing, compacting, & finishing required materials; and all labor, equipment, and incidentals necessary to complete the repair.

Payment will be made under:

Item S-007, Pavement & Base Repair at Rubblized Pavement (20" Thick), per square yard.

ITEM S-008, RAP TREATED INTERLAYER (4" THICK): This item consists of constructing a 4 inch thick RAP interlayer that is treated with an asphalt emulsion and lime additive. The interlayer shall be placed on the milled surface in accordance with the plans and as directed by the engineer.

Material: The RAP material shall be uniform and free of soil, debris, foreign matter and other contaminants. The RAP shall pass a 1.5 inch sieve. The contractor shall be allowed to use RAP material obtained from the existing travel lanes, provided these specifications are met.

The asphalt emulsion shall be received on the job site at a temperature no greater than 120°F. The sampling rate shall be determined by the Agency. Samples shall be obtained from the shipping trailers prior to unloading into the contractor's storage units. The testing shall meet the following requirements:

Test		Minimum	Maximum
Residue from distillation,	ASTM	64.0	66.0
%	D244 ¹		
Oil distillate by	ASTM		0.5
distillation, %	D244 ¹		
Sieve Test, %	ASTM		0.1
	D244 ¹		
Penetration (TBD ²),	ASTM	60	130
25°C, dmm	D5		

¹ Modified ASTM D244 procedure – distillation temperature of 177°C with a 20 minute hold. The ASTM D244 vacuum distillation procedure may be substituted once the maximum oil distillate is satisfied.

The lime shall be from an approved source listed in QPL 34 and in accordance with Section 1018.03 of the Standard Specifications.

Mixing: The RAP shall be combined with asphalt emulsion and lime and mixed via a central plant (pug mill). The pug mill shall be capable of incorporating the additives and controlling the required rates. The percent of each additive will be determined by DOTD once representative samples can be taken. The contractor shall assist DOTD with the sampling of RAP by building a designated RAP stockpile in excess of the amount needed to finish the interlayer.

Placing: The contractor shall use an asphalt paver to lay the 4 inch interlayer.

Compacting and Finishing: The treated RAP material shall be compacted with a 12-ton smooth steel-wheel roller capable of static and dynamic rolling and finished with a 20- ton pneumatic rubber tire roller. The number of passes required to achieve density will be determined in the field with a maximum requirement of 4 passes (one pass being defined as forward and backward per strip) by the steel-wheel roller and 3 passes by the pneumatic roller. Compaction shall be finished within 3 hours after initial mixing. A light tack coat will be applied to seal the interlayer. Within 48 hours after compaction, one lift of asphaltic concrete binder course, as shown on the roadway typical section, shall be paved over the RAP interlayer.

The treated RAP interlayer will be measured by the square yard of placed material.

Payment for the interlayer will be made at the contract unit price, which includes mixing, hauling, placing, compacting, and tack coat. Payment for the asphalt emulsion and lime additives will be paid under separate pay items.

Payment will be made under:

Item S-008, RAP Treated Interlayer (4" Thick), per square yard.

ITEM S-009, ASPHALT EMULSION FOR RAP TREATED INTERLAYER: This item consists of furnishing asphalt emulsion for use with Item S-008. Asphalt emulsion will be measured by the gallon.

Payment will be made under:

Item S-009, Asphalt Emulsion for RAP Treated Interlayer, per gallon.

² TBD – to be determined by the RAP design prior to emulsion manufacture for project. Penetration range will be determined on the design requirements for the project and will be submitted to the Agency for approval prior to project start.

ITEM S-010, LIME FOR RAP TREATED INTERLAYER: This item consists of furnishing lime for use with Item S-008. Lime will be measured by the hundredweight (CWT).

Payment will be made under:

Item S-010, Lime for RAP Treated Interlayer, per hundredweight.

ITEM S-011, SAW CUTTING ASPHALTIC CONCRETE PATCHES (6" DEEP): This work item consists of furnishing all equipment, labor, materials, and incidentals to perform saw cutting of asphaltic concrete pavement and base at the locations shown on the plans or as directed by the project engineer.

Cutting shall be done using a saw designed for cutting asphaltic concrete pavement. Saw cuts shall be made at locations and along lines indicated on the plans and/or as marked by the Project Engineer, to the full depth of the pavement and base. The Project Engineer may direct that the actual depth be greater or less than 6", where necessary due to change in pavement thickness, base material, or for other conditions.

Payment will be made at the contract unit price per linear foot. When the engineer directs that cut depth be less than 6", payment will be made at the contract unit price per linear foot with no deduction for depth. When the engineer directs that cut depth be greater than 6", payment for the additional depth will be made as follows. The value per inch depth will be determined by dividing the contract unit price per linear foot by 6". Payment for the additional depth will be made at 100 percent of the value per inch thus determined.

Saw Cutting Asphaltic Concrete Patches will be measured per linear foot of saw cut satisfactorily completed 6" deep or to directed depth as marked.

Payment will be made under:

Item S-011, Saw Cutting Asphaltic Concrete Patches (6" Deep), per linear foot.

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 <u>two hundred twenty (220)</u> 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.

05/75 Page 1 of 14

LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT SUPPLEMENTAL SPECIFICATIONS

STANDARD PROVISIONS GENERAL LIABILITY POLICIES

GENERAL INSTRUCTIONS

- 1. STANDARD LANGUAGE: This form is expressed in standard language which may not be amended and no part of which may be omitted except (a) as indicated by these instructions, or (b) as indicated in reference notes shown below referring to specific portions of the form, or (c) by an endorsement which states an amendment or exclusion of some provision of the form in accordance with the provisions of a manual rule, the form of which endorsement has been approved, if required, by the supervising authority of the State in which the policy is issued.
- **2. OPTIONAL SEQUENCE AND ARRANGEMENT:** The several parts of the form, viz. "Insuring Agreements," "Exclusions," "Conditions" and "Declarations" may appear in the policy in such sequence as the company may elect and the sequence and arrangement of the several provisions of those parts are also optional with the company.
- 3. DESCRIPTIVE HEADINGS--IDENTIFYING OR INDEXING DESIGNATIONS: The descriptive headings of the parts of the form (as quoted above) and of the major insuring agreements ("Bodily Injury Liability," "Property Damage Liability," etc.) are standard expressions which may not be amended or omitted, but all other identifying or indexing designations (such as "Coverage A," "Defense, Settlement, Supplementary Payments," "Cancellation," etc.), including literal or numerical designations or paragraphs or phrases, may be amended or omitted at the company's option. When such identifying or indexing designations, used for the purpose of reference in the text of the form or any endorsement form applicable thereto, are amended or omitted, descriptive designations shall be substituted.

4. ADDITIONAL COVERAGES OR COMPANIES, EXPLANATORY OR

CONNECTIVE LANGUAGE: When policies are issued to provide insurance in this form together with insurance covering other risks, the addition of necessary explanatory or connective language which does not amend the expression of this form is permissible and the introductory language of the "Insuring Agreements" which provides for the issuance of a policy by 2 companies may be used and, if necessary, paraphrased to permit such policies to be issued by more than 2 companies.

5. DECLARATIONS--INCLUDING OTHER RISKS: A common set of declarations may be used in those cases where policies in this form are issued with policies covering other risks.

05/75 General Liability Policies Page 2 of 14

- **6. INSTALLMENT PREMIUM PAYMENT:** Policies written to provide for payment of premium in installments may provide for lapse or suspension of the policy upon default of payment when due.
- 7. ADDITION OF COVERAGE BY ENDORSEMENT: When insuring agreements and other provisions relating to any particular class of insurance are added to this policy by endorsement, such additional insurance must be expressed in approved standard language relating to the particular class and must be subject to all standard provisions applicable to that class by the expressions of the endorsement or of the policy or of both taken together.
- **8. DEFINITION OF "STANDARD" AND "APPROVED":** "Standard language" or "approved standard language" when used in these instructions means the form and endorsements either prescribed or approved by the insurance supervising authority of the State in which policy forms and endorsements are approved or prescribed. In those States where supervising authorities do not have the authority to approve or prescribe policies, forms and endorsements, the terms mean the forms and endorsements adopted by the companies for use in such States.
- **9. PREMIUM STATEMENT:** The statement with respect to payment of premium may be amended by an endorsement to make necessary provision with respect to payment of premium, payment of additional premium and return of premium and dividends under the policy.
- 10. SPECIAL CONDITIONS FOR MUTUALS, RECIPROCALS, AND PARTICIPATING STOCK COMPANIES: When the policy is issued by a mutual company, a reciprocal association or a participating stock company having special provisions applicable to its membership or policyholders, such provisions, when approved by the supervising authority of the State in which the policy is issued if such approval is required, may be inserted in the policy.

BLANK INDEMNITY COMPANY BLANK INSURANCE COMPANY

I

Railroad Protective Liability Policy No. (State or Federal Highway Projects)

¹Matter in box may be included, omitted or amended at the option of the company.

DECLARATIONS

Item 1. Named Insured ———————			
Address———— (Street No.	Town or City Parish or County	State)	
Item 2. Policy P 12:01 A.M. Cent	eriod: From————————————————————————————————————	to—to—signated job site as stated herein.	

Item 3. The insurance afforded is only with respect to such of the following coverages as are indicated [in Item 6] by specific premium charge or charges. The limit of the company's liability against such coverages shall be as stated herein, subject to all the terms of this policy having reference thereto. (A statement may be added that a definite notation may be made in the premium column to show that a particular coverage is not afforded.)

Coverages		Limits of Liability
Blank Indemnity Company	A-Bodily Injury Liability	\$ each person \$ each occurrence
Blank Insurance Company	B-Property Damage Liability C-Physical Damage to Property	\$ each occurrence \$ aggregate

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T4 5	James and Address of Consumerated Angles its formula and the second back to the
	Name and Address of Governmental Authority for whom the work by the Contractor
is being	performed ————————————————————————————————————

Item 6. Designation of Job Site & Description of Work

Item 4. Name and Address of Contractor —

b	Premium Bases	-	Advance Premiums
İ		Coverage A Coverages B & C	Coverage A Coverages B & C
	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
i	Contract Cost	Per \$100 of Cost	
Ī	Rental Cost	Per \$100 of Rental Cost	

05/75 General Liability Policies Page 4 of 14

If Policy Period more than 1 year:			
Premium is payable: On effective date of Policy	\$	1st Anniversary	
	\$	2nd Anniversary	
Date and Place of Issue			
{Countersigned {		20, at	}}
		A DATE OF THE STATE OF THE STAT	
A. Renewal of policy number.B. The name insured is a corporation.C. Endorsement serial numbers.D. Rating plan or premium discount.			
(For policy issued by one company)			11
(Name and Location of Indemnity Company	7)		
A (type of company) insurance company, he	erein (called the company	
agrees with the insured, named in the declarations made a part hereof, in consideration of the payment of the premium and in reliance upon the statements in the declarations made by the name insured and subject to all of the terms of this policy:			
(For policy issued by two companies)			
(Name and Location of Indemnity Company and	')		
(Name and Location of Insurance Company))		
Each a (type of company) insurance compan	ıy, hei	rein called the company,	
severally agree with the insured named in the declarate he payment of the premium and in reliance upon the named insured and subject to all of the terms of this payment.	e state	ements in the declarations	made by the
Company shall be made the insurer with respect to cound no other and the Blank Insurance Compactoverage———————————————————————————————————			n respect to

INSURING AGREEMENTS

I. COVERAGE A - BODILY INJURY LIABILITY: To pay on behalf of the insured all sums which the insured shall become legally obligated to pay as damages because of bodily injury, sickness, or disease, including death at any time resulting therefrom, hereinafter called "bodily injury," either (l) sustained by any person arising out of acts or omissions at the designated job site which are related to or are in connection with the work described in Item 6 of the Declarations, or (2) sustained at the designated job site by the contractor or any employee of the contractor, or by any employee of the governmental authority specified in Item 5 of the declarations, or by any designated employee of the insured, whether or not arising out of such acts omissions.

COVERAGE B - PROPERTY DAMAGE LIABILITY: To pay on behalf of the insured all sums which the insured shall become legally obligated to pay as damages because of physical injury to or destruction of property, including loss of use of any property due to such injury or destruction, hereinafter called "property damage" arising out of acts or omissions at the designated job site which are related to or are in connection with the work described in Item 6 of the declarations.

COVERAGE C - PHYSICAL DAMAGE TO PROPERTY: To pay for direct and accidental loss of or damage to rolling stock and their contents, mechanical construction equipment, or motive power equipment, hereinafter called loss, arising out of acts or omissions at the designated job site which are related to or are in connection with the work described in Item 6 of the declarations; provided such property is owned by the named insured or is leased or entrusted to the named insured under a lease or trust agreement.

II. **DEFINITIONS**

- (a) Insured The unqualified word "insured" includes the name insured and also includes any executive officer, director or stockholder thereof while acting within the scope of his duties as such.
- (b) Contractor The word "contractor" means the contractor designated in Item 4 of the declarations and includes all subcontractors of said contractor but shall not include the name insured.
- (c) Designated employee of the insured The words "designated employee of the insured" mean:

05/75 General Liability Policies Page 6 of 14

- (1) Any supervisory employee of the insured at the job site.
- (2) Any employee of the insured while operating, attached to or engaged on work trains or other railroad equipment at the job site which are assigned exclusively to the contractor, or
- (3) Any employee of the insured not within (1) or (2) who is specifically loaned or assigned to the work of the contractor for prevention of accidents or protection of property, the cost of whose services is borne specifically by the contractor or by governmental authority.
- (d) Contract The word "contract" means any contract or agreement to carry a person or property for a consideration or any lease, trust or interchange contract or agreement respecting motive power, rolling stock or mechanical construction equipment.

III. DEFENSE, SETTLEMENT, SUPPLEMENTARY PAYMENTS: With respect to such insurance as is afforded by this policy under coverages A and B, the company shall:

- (a) Defend any suit against the insured alleging such bodily injury or property damage and seeking damages which are payable under the terms of this policy, even if any of the allegations of the suit are groundless, false or fraudulent, but the company may make such investigation and settlement of any claim or suit as it deems expedient;
- (b) Pay, in addition to the applicable limits of liability:
 - (1) All expenses incurred by the company, all costs taxed against the insured in any such suit and all interest on the entire amount of any judgment therein which accrues after entry of the judgment and before the company has paid or tendered or deposited in court that part of the judgment which does not exceed the limit of the company's liability thereon;
 - (2) Premiums on appeal bonds required in any such suit, premiums on bonds to release attachments for an amount not in excess of the applicable limit of liability of this policy, but without obligation to apply for or furnish any such bonds;
 - (3) Expenses incurred by the insured for such immediate medical and surgical relief to others as shall be imperative at the time of the occurrence;
 - (4) All reasonable expenses other than loss of earnings, incurred by the insured at the company's request.

IV. POLICY PERIOD, TERRITORY: This policy applies only to occurrences and losses during the policy period and within the United States of America, its territories, or possessions, or Canada.

EXCLUSIONS

This policy does not apply:

- (a) to liability assumed by the insured under any contract or agreement except a contract as defined herein;
- (b) to bodily injury or property damage caused intentionally by or at the direction of the insured;
- (c) to bodily injury, property damage or loss which occurs after notification to the named insured of the acceptance of the work by the governmental authority, other than bodily injury, property damage or loss resulting from the existence or removal of tools, uninstalled equipment and abandoned or unused materials;
- (d) under Coverages A (l), B and C, to bodily injury, property damage or loss, the sole proximate cause of which is an act or omission of any insured other than acts or omissions of any designated employee of any insured;
- (e) under Coverage A, to any obligation for which the insured or any carrier as his insurer may be held liable under any workmen's compensation, unemployment compensation or disability benefits law, or under any similar law; provided that the Federal Employers' Liability Act, U. S. Code (1946) Title 45, Sections 51-60, as amended, shall for the purposes of this insurance be deemed not to be any similar law;
- (f) under Coverage B, to injury to or destruction of property (i) owned by the named insured or (ii) leased or entrusted to the named insured under a lease or trust agreement.
- (g) 1. Under any Liability Coverage, to injury, sickness, disease, death or destruction.
 - (a) with respect to which an insured under the policy is also an insured under a nuclear energy liability policy issued by Nuclear Energy Liability Insurance Association, Mutual Atomic Energy Liability Underwriters or Nuclear Insurance Association of Canada, or would be an insured under any such policy but for its termination upon exhaustion of its limit of liability; or
 - (b) resulting from the hazardous properties of nuclear material and with respect to which (l) any person or organization is required to maintain financial protection pursuant to the Atomic Energy Act of 1954, or any law amendatory thereof or (2) the

05/75 General Liability Policies Page 8 of 14

insured is, or had this policy not been issued would be, entitled to indemnity from the United States of America, or any agency thereof, under any agreement entered into by the United States of America, or any agency thereof, with any person or organization.

- 2. Under any Medical Payments Coverage, or under any Supplementary-Payments provision relating to immediate medical or surgical relief, to expenses incurred with respect to bodily injury, sickness, disease or death resulting from the hazardous properties of nuclear material and arising out of the operation of a nuclear facility by any person or organization.
- 3. Under any Liability Coverage, to injury, sickness, disease, death or destruction resulting from the hazardous properties of nuclear material, if
 - (a) The nuclear material (l) is at any nuclear facility owned by, or operated by or on behalf of, an insured or (2) has been discharged or dispersed therefrom;
 - (b) The nuclear material is contained in spent fuel or waste at any time possessed, handled, used, processed, stored, transported or disposed of by or on behalf of an insured; or
 - (c) The injury, sickness, disease, death or destruction arises out of the furnishing by an insured of services, materials, parts of equipment in connection with the planning, construction, maintenance, operation or use of any nuclear facility, but if such facility is located within the United States of America, its territories or possessions or Canada, this exclusion (c) applies only to injury to or destruction of property at such nuclear facility.

4. As used in this exclusion:

"hazardous properties" include radioactive, toxic or explosive properties;

"nuclear material" means source material, special nuclear material or byproduct material;

"source material," "special nuclear material," and "byproduct material" have the meanings given them in the Atomic Energy Act of 1954 or in any law amendatory thereof;

"spent fuel" means any fuel element or fuel component, solid or liquid, which has been used or exposed to radiation in a nuclear reactor;

"waste" means any waste material (1) containing byproduct material and (2) resulting from the operation by any person or organization of any nuclear facility included within the definition of nuclear facility under paragraph (a) or (b) below;

"nuclear facility" means

- (a) any nuclear reactor,
- (b) any equipment or device designed or used for (1) separating the isotopes of uranium or plutonium, (2) processing or utilizing spent fuel, or (3) handling, processing or packaging waste,
- (c) any equipment or device used for the processing, fabricating or alloying of special nuclear material if at any time the total amount of such material in the custody of the insured at the premises where such equipment or device is located consists of or contains more than 25 grams of plutonium or uranium 233 or any combination thereof, or more than 250 grams of uranium 235,
- (d) any structure, basin, excavation, premises or place prepared or used for the storage or disposal of waste,

and includes the site on which any of the foregoing is located, all operations conducted on such site and all premises used for such operations;

"nuclear reactor" means any apparatus designed or used to sustain nuclear fission in a self-supporting chain reaction or to contain a critical mass of fissionable material;

with respect to injury to or destruction of property, the word "injury" or "destruction" includes all forms of radioactive contamination of property.

(h) Under Coverage C, to loss due to nuclear reaction, nuclear radiation or radioactive contamination, or to any act or condition incident to any of the foregoing.

CONDITIONS

[The conditions, except conditions 3, 4, 5, 6, 7, 8, 9, 10, 11 and 12 apply to all coverages. Conditions 3, 4, 5, 6, 7, 8, 9, 10, 11 and 12 apply only to the coverage noted thereunder.]

1. <u>Premium</u>: The premium bases and rates for the hazards described in the declarations are stated therein. Premium bases and rates for hazards not so described are those applicable in accordance with the manuals in use by the company.

05/75 General Liability Policies Page 10 of 14

The term "contract cost" means the total cost of all work described in Item 6 of the declarations.

The term "rental cost" means the total cost to the contractor for rental of work trains or other railroad equipment, including the renumeration of all employees of the insured while operating, attached to or engaged thereon.

The advance premium stated in the declarations is an estimated premium only. Upon termination of this policy the earned premium shall be computed in accordance with the company's rules, rates, rating plans, premiums and minimum premiums applicable to this insurance. If the earned premium thus computed exceeds the estimated advance premium paid, the company shall look to the contractor specified in the declarations for any such excess; if less, the company shall return to the said contractor the unearned portion paid.

In no event shall payment of premium be an obligation of the named insured.

2. <u>Inspection</u>: The named insured shall make available to the company records of information relating to the subject matter of this insurance.

The company shall be permitted to inspect all operations in connection with the work described in Item 6 of the declarations.

- 3. <u>Limits of Liability Coverage A</u>: The limit of bodily injury liability stated in the declarations as applicable to "each person" is the limit of the company's liability for all damages, including damages for care and loss of services, arising out of bodily injury sustained by 1 person as the result of any 1 occurrence; the limit of such liability stated in the declarations as applicable to "each occurrence" is, subject to the above provision respecting each person, the total limit of the company's liability for all such damage arising out of bodily injury sustained by 2 or more persons as the result of any 1 occurrence.
- 4. <u>Limits of Liability Coverages B and C</u>: The limit of liability under coverages B and C stated in the declarations as applicable to "each occurrence" is the total limit of the company's liability for all damages and all loss under coverages B and C combined arising out of physical injury to, destruction or loss of all property of one or more persons or organizations, including the loss of use of any property due to such injury or destruction under coverage B, as the result of any I occurrence.

Subject to the above provisions respecting "each occurrence," the limit of liability under coverages B and C stated in the declaration as "aggregate" is the total limit of the company's liability for all damages and all loss under coverages B and C combined arising out of physical injury to, destruction or loss of property, including the loss of use of any property due to such injury or destruction under coverage B.

Under coverage C, the limit of the company's liability for loss shall not exceed the actual cash value of the property, or if the loss is of a part thereof the actual cash value of such part, at time of loss, not what it would then cost to repair or replace the property or such part thereof with other of like kind and quality.

- 5. <u>Severability of Interests Coverages A and B</u>: The term "the insured" is used severally and not collectively, but the inclusion herein of more than one insured shall not operate to increase the limits of the company's liability.
- 6. <u>Notice</u>: In the event of an occurrence or loss, written notice containing particulars sufficient to identify the insured and also reasonably obtainable information with respect to the time, place and circumstances thereof, and the names and addresses of the injured and of available witnesses, shall be given by or for the insured to the company or any of its authorized agents as soon as practical. If claim is made or suit is brought against the insured, he shall immediately forward to the company every demand, notice, summons or other process received by him or his representative.
- 7. Assistance and Cooperation of the Insured Coverages A and B: The insured shall cooperate with the company and, upon the company's request, attend hearings and trials and assist in making settlements, securing and giving evidence, obtaining the attendance of witnesses and in the conduct of suits. The insured shall not, except at his own cost, voluntarily make any payment, assume any obligation or incur any expense other than for such immediate medical and surgical relief to others as shall be imperative at the time of accident.
- 8. Action Against Company Coverages A and B: No action shall lie against the company unless, as a condition precedent thereto, the insured shall have fully complied with all the terms of this policy, nor until the amount of the insured's obligation to pay shall have been finally determined either by judgment against the insured after actual trial or by written agreement of the insured, the claimant and the company.

Any person or organization or the legal representative thereof who has secured such judgment or written agreement shall thereafter be entitled to recover under this policy to the extent of the insurance afforded by this policy. No person or organization shall have any right under this policy to join the company as a party to any action against the insured to determine the insured's liability. Bankruptcy or insolvency of the insured or of the insured's estate shall not relieve the company of any of its obligations hereunder.

9. Action Against Company - Coverage C: No action shall lie against the company unless, as a condition precedent thereto, there shall have been full compliance with all the terms on this policy nor until 30 days after proof of loss is filed and the amount of loss is determined as provided in this policy.

- 10. <u>Insured's Duties in Event of Loss Coverage C</u>: In the event of loss the insured shall:
 - (a) protect the property, whether or not the loss is covered by this policy, and any further loss due to the insured's failure to protect shall not be recoverable under this policy; reasonable expenses incurred in affording such protection shall be deemed incurred at the company's request.
 - (b) file with the company, as soon as practicable after loss, his sworn proof of loss in such form and including such information as the company may reasonably require and shall upon the company's request, exhibit the damaged property.
- 11. Appraisal Coverage C: If the insured and the company fail to agree as to the amount of loss, either may, within 60 days after the proof of loss is filed, demand an appraisal of the loss. In such event the insured and the company shall each select a competent appraiser, and the appraisers shall select a competent and disinterested umpire. The appraisers shall state separately the actual cash value and the amount of loss and failing to agree shall submit their differences to the umpire. An award in writing of any two shall determine the amount of loss. The insured and the company shall each pay his chosen appraiser and shall bear equally the other expenses of the appraisal and umpire.

The company shall not be held to have waived any of its rights by any act relating to appraisal.

- 12. Payment of Loss Coverage C: The company may pay for the loss in money but there shall be no abandonment of the damaged property to the company.
- 13. <u>No Benefit to Bailee Coverage C</u>: The insurance afforded by this policy shall not enure directly or indirectly to the benefit of any carrier or bailee, other than the named insured, liable for loss to the property.
- 14. <u>Subrogation</u>: In the event of any payment under this policy, the company shall be subrogated to all the insured's rights of recovery therefor against any person or organization and the insured shall execute and deliver instruments and papers and do whatever else is necessary to secure such rights. The insured shall do nothing after loss to prejudice such rights.
- 15. <u>Application of Insurance</u>: The insurance afforded by this policy is primary insurance.
- 16. <u>Three Year Policy</u>: A policy period of 3 years is comprised of 3 consecutive annual periods. Computation and adjustment of earned premium shall be made at the end of each annual period. Aggregate limits of liability as stated in this policy shall apply separately to each annual period.

17. <u>Changes:</u> Notice to any agent or knowledge possessed by any agent or by any other person
shall not effect a waiver or a change in any part of this policy or stop the company from asserting
any right under the terms of this policy; nor shall the terms of this policy be waived or changed
except by endorsement issued to form a part of this policy [signed by ———
——————————————————————————————————————
or representatives); provided, however, changes may be made in the written portion of the
declaration by ———— (here insert titles of authorized company representatives)
when initialed by such — (here insert titles of authorized
company representatives) or by endorsement issued to form a part of this policy signed by such
(here insert titles of authorized company representatives).
(rear more among a management appropriate appropriate apply

- 18. <u>Assignment</u>: Assignment of interest under this policy shall not bind the company until its consent is endorsed hereon.
- 19. <u>Cancellation</u>: This policy may be cancelled by the named insured by mailing to the company written notice stating when thereafter the cancellation shall be effective. This policy may be cancelled by the company by mailing to the named insured, contractor and governmental authority at the respective addresses shown in this policy written notice stating when not less than 30 days thereafter such cancellation shall be effective. The mailing of notice as aforesaid shall be sufficient proof of notice. The effective date and hour of cancellation stated in the notice shall become the end of the policy period. Delivery of such written notice either by the named insured or by the company shall be equivalent to mailing.

If the named insured cancels, earned premium shall be computed in accordance with the customary short rate table and procedure. If the company cancels, earned premium shall be computed pro rata. Premium adjustment may be made either at the time cancellation is effected or as soon as practical after cancellation becomes effective, but payment or tender of unearned premium is not a condition of cancellation.

20. <u>Declarations</u>: By acceptance of this policy the named insured agrees that such statement in the declarations as are made by him are his agreements and representations, that this policy is issued in reliance upon the truth of such representations and that this policy embodies all agreements existing between himself and the company or any of its agents relating to this insurance.

05/75 General Liability Policies Page 14 of 14

(FACSIMILE OF SIGNATURE)
Secretary

(FACSIMILE OF SIGNATURE)
President

(For policy issued by two companies)

(For policy issued by one company)

In witness whereof, the Blank Indemnity Company has caused this policy with respect to coverages and such other parts of the policy as are applicable thereto, to be signed by its president and a secretary at an authorized agent of the company.

(FACSIMILE OF SIGNATURE)

(FACSIMILE OF SIGNATURE)

Secretary President

(FACSIMILE OF SIGNATURE)

(FACSIMILE OF SIGNATURE)

Secretary

President

LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT SUPPLEMENTAL SPECIFICATIONS

(FOR 2006 STANDARD SPECIFICATIONS)

TABLE OF CONTENTS

PART I – GENERAL PROVISIONS

SECTION 101 – GENERAL INFORMATION, DEFINITIONS, AND TERMS	S
Subsection 101.03 – Definitions	1
SECTION 102 – BIDDING REQUIREMENTS	
Subsection 102.09 – Proposal / Bid Guaranty	1
SECTION 107 – LEGAL RELATIONS AND RESPONSIBILITY TO PUBLI	C
Subsection 107.05 – Federal Aid Participation	2
SECTION 108 – PROSECUTION AND PROGRESS	
Subsection 108.04 – Prosecution of Work	2
PART II – EARTHWORK	
SECTION 202 – REMOVING OR RELOCATING	
STRUCTURES AND OBSTRUCTIONS	
Subsection 202.06 – Plugging or Relocating Existing Water Wells	2
PART III – BASE COURSES	
SECTION 302 – CLASS II BASE COURSE	
Subsection 302.05 – Mixing	2
SECTION 305 – SUBGRADE LAYER	
Subsection 305.06 – Payment	2
SECTION 307 – PERMEABLE BASES	
Subsection 307.02 – Materials	3
SECTION 308 – IN-PLACE CEMENT TREATED BASE COURSE	
All Subsections	3
PART V – ASPHALTIC PAVEMENTS	
SECTION 502 – SUPERPAVE ASPHALTIC CONCRETE MIXTURES	
Subsection 502.02 – Materials	3
Subsection 502.14 – Lot Sizes	
SECTION 508 – STONE MATRIX ASPHALT	
Subsection 508.01 – Description	5
Subsection 508.02 – Materials	5

PART VI – RIGID PAVEMENT

SECTION 602 – PORTLAND CEMENT CONCRETE PAVEMENT REHABILITATION
Subsection 602.17 – Payment5
PART VII – INCIDENTAL CONSTRUCTION
SECTION 701 – CULVERTS AND STORM DRAINS
All Subsections
SECTION 704 – GUARD RAIL
Subsection 704.03 – General Construction Requirements
SECTION 706 – CONCRETE WALKS, DRIVES AND INCIDENTAL PAVING
All Subsections
SECTION 713 – TEMPORARY TRAFFIC CONTROL
Subsection 713.06 – Pavement Markings
Subsection 729 – TRAFFIC SIGNS AND DEVICES Subsection 729.02 – Materials
Subsection 729.04 – Fabrication of Sign Panels and Markers
PART VIII – STRUCTURES
SECTION 804 – DRIVEN PILES
Subsection 804.08 – Construction Requirements
PART IX – PORTLAND CEMENT CONCRETE
SECTION 901 – PORTLAND CEMENT CONCRETE
Subsection 901.06 – Quality Control of Concrete
Subsection 901.08 – Composition of Concrete
PART X – MATERIALS
SECTION 1001 – HYDRAULIC CEMENT
Subsection 1001.01 – Portland Cement
SECTION 1003 – AGGREGATES
Subsection 1003.02 – Aggregates for Portland Cement Concrete and Mortar21
SECTION 1005 – JOINT MATERIALS FOR PAVEMENTS AND STRUCTURES
Subsection 1005.04 – Combination Joint Former/Sealer
SECTION 1006 – CONCRETE AND PLASTIC PIPE
Subsection 1006.09 – Plastic Yard Drain Pipe

Supplemental Specifications - Table of Contents (08/08)

SECTION 1013 – METALS	
Subsection 1013.09 – Steel Piles	23
SECTION 1015 – SIGNS AND PAVEMENT MARKINGS	
Subsection 1015.04 – Sign Panels	23
Subsection 1015.05 – Reflective Sheeting	
Subsection 1015.11 – Preformed Plastic Pavement Marking Tape	28
SECTION 1020 – TRAFFIC SIGNALS	
Subsection 1020.01 – Traffic Signal Heads	29
Subsection 1020.04 – Poles for Traffic Signal Systems	

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.

PART I – GENERAL PROVISIONS

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.

Supplemental Specifications (August 2008) Page 2 of 30

SECTION 107 – LEGAL RELATIONS AND RESPONSIBILITY TO PUBLIC:

Subsection 107.05 – Federal Aid Participation (04/08), Pages 57 and 58.

Delete the second paragraph.

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.

PART II – EARTHWORK

SECTION 202 – REMOVING OR RELOCATING STRUCTURES AND OBSTRUCTIONS:

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

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.

PART III – BASE COURSES

SECTION 302 – CLASS II BASE COURSE:

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

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 305 – SUBGRADE LAYER:

<u>Subsection 305.06 – Payment (01/08), Page 184.</u>

Delete the contents of this subsection and substitute the following.

305.06 Payment. Payment for subgrade layer will be made at the contract unit price which includes lime, lime treatment, cement, cement treatment, water, stone, recycled portland cement concrete, crushed slag, blended calcium sulfate, asphaltic concrete, and asphalt curing membrane or prime coat, subject to the payment adjustment provisions of Section 1002 for specification deviations of asphalt materials and Subsection 303.11(a) for density deficiencies of cement treated materials. Adjustments in pay for increase or decrease in the percent cement ordered by the engineer will be in accordance with Subsection 303.13. Adjustments in pay for

Supplemental Specifications (August 2008) Page 3 of 30

increase or decrease in the percent lime ordered by the engineer will be based on the price of lime shown on paid invoices (total of all charges). The Materials and Testing Section will provide the payment adjustment percentage for properties of asphalt materials.

Payment for geotextile fabric will be included in the contract unit price for subgrade layer.

Payment will be made under:

Item No.	Pay I	ítem	Pay Unit
305-01	Subgrade Layer	in (mm) Thick	Square Yard (Sq m)

SECTION 307 – PERMEABLE BASES:

Subsection 307.02 – Materials (09/07), Pages 187 and 188.

Delete the contents of Subheading (b), Asphalt, and substitute the following.

(b) Asphalt: The asphalt for asphalt treated permeable base shall be an approved polymer modified asphalt cement, PG 76-22m, or PG 82-22rm complying with Section 1002. The percentage of asphalt cement shall be 2.0 percent to 4.0 percent by weight (mass) of the total mixture. Asphalt cement content and mixing process shall be such that all aggregates are visibly coated. The mixture shall retain 90 percent coating when tested in accordance with DOTD TR 317.

A job mix formula shall be submitted and approved in accordance with Section 502.

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".

PART V – ASPHALTIC PAVEMENTS

SECTION 502 – SUPERPAVE ASPHALTIC CONCRETE MIXTURES:

Subsection 502.02 – Materials (08/06) (11/07), Pages 210 – 213.

<u>Delete Table 502-2, Superpave Asphalt Cement Usage under Subheading (a) and substitute the following.</u>

Supplemental Specifications (August 2008) Page 4 of 30

Table 502-2 Superpave Asphalt Cement Usage

Current Traffic Load Level	Mixture Type	Grade of Asphalt Cement
	Wearing Course	PG 70-22m
Level 1	Binder Course	PG 70-22m
	Base Course	PG 64-22
Level 2	Wearing Course	PG 76-22m
Level 2	Binder Course	PG 76-22m
Level A	Incidental Paving	PG 70-22m

Note: A PG 82-22 rm, Waste Tire Rubber Modified Asphalt, may be substituted for any other grade of asphalt cement.

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 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.

Subsection 502.14 – Lot Sizes (11/07), Pages 232 and 233.

Delete the first sentence of the first paragraph and substitute the following.

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.

A lot is a segment of continuous production of asphaltic concrete mixture from the same job mix formula produced for the Department at a specific plant, delivered to a specific DOTD project.

SECTION 508 – STONE MATRIX ASPHALT:

Subsection 508.01 – Description (09/07), Page 274.

Delete this subsection and substitute the following.

508.01 DESCRIPTION. This work consists of furnishing and constructing Stone Matrix Asphalt (SMA) which is a plant mixed asphalt concrete wearing course for high traffic applications. This mixture is a rut resistant hot mix design with stone on stone contact. The mixture shall be composed of a PG 76-22m, or PG 82-22rm asphalt cement and a gap graded coarse aggregate structure. Mineral filler and/or fibers shall be used to control draindown. This work shall be in accordance with these specifications, plan details, and as directed. All requirements of Section 502 apply to Stone Matrix Asphalt, except as modified herein. All plant and paving equipment and processes must meet the requirements of Section 503.

Mixture used for shoulder may be Stone Matrix Asphalt or any mixture type shown in Table 502-5.

<u>Subsection 508.02 – Materials (09/07), Page 274.</u>

Delete the contents of subheading (a), Asphalt Cement and substitute the following.

(a) Asphalt Cement: Asphalt cement shall be PG 76-22m, or PG 82-22rm as listed on QPL 41 and complying with Section 1002.

PART VI – RIGID PAVEMENT

SECTION 602 – PORTLAND CEMENT CONCRETE PAVEMENT REHABILITATION:

Subsection 602.17 - Payment (09/07), Pages 341 - 344.

Delete the last paragraph of Subheadings (d), Full Depth Corner Patching of Jointed Concrete Pavement, (e) Full Depth Patching of Jointed Concrete Pavement, and (g) Patching Continuously Reinforced Concrete Pavement, and substitute the following.

Payment for deteriorated base course removed as directed by the engineer and replaced with concrete will be made as follows: The value per inch (mm) thickness will be determined by dividing the contract unit price per square yard (sq m) by the plan thickness. Thickness of patches will be measured from the surface that exists at the time of patching. Payment for the additional thickness will be made at 50 percent of the value per inch (mm) thus determined.

PART VII – INCIDENTAL CONSTRUCTION

SECTION 701 – CULVERTS AND STORM DRAINS:

All Subsections within Section 701 (08/07), Pages 347 – 358.

Delete Section 701, Culverts and Storm Drains and substitute the following.

Supplemental Specifications (August 2008) Page 6 of 30

SECTION 701 CULVERTS AND STORM DRAINS

701.01 DESCRIPTION. This work consists of furnishing, installing, and cleaning pipe, pipe arch, storm drains and sewers, also referred to as culverts or conduit, in accordance with these specifications and in conformity with lines and grades shown on the plans or established.

701.02 MATERIALS. Materials shall comply with the following sections and subsections:

Usable Soil	203.06(a)
Selected Soil	203.06(b)
Plastic Soil Blanket	203.10
Mortar	702.02
Flowable Fill	710
Portland Cement Concrete	901
Reclaimed Asphaltic Pavement (RAP)	1003.01 & 1003.04(d)
Stone	1003.03(b)
Recycled Portland Cement Concrete	1003.03(c)
Granular Material	1003.07
Bedding Material	1003.08
Concrete Sewer Pipe	1006.02
Reinforced Concrete Pipe	1006.03
Reinforced Concrete Pipe Arch	1006.04
Gasket Materials	1006.06
Plastic Pipe	1006.07
Split Plastic Coupling Bands	1006.07(d)(4)
Plastic Yard Drain Pipe	1006.09
Bituminous Coated Corrugated Steel Pipe and	
Pipe Arch	1007.02
Structural Plate for Pipe, Pipe Arch and Arch	1007.04
Corrugated Aluminum Pipe and Pipe Arch	1007.05
Coupling Bands	1007.09
Reinforcing Steel	1009
Geotextile Fabric	1019

- (a) Side Drain Pipe or Side Drain Pipe Arch: When the item for Side Drain Pipe or Side Drain Pipe Arch is included in the contract, the contractor has the option of furnishing reinforced concrete pipe or reinforced concrete pipe arch, corrugated metal pipe or corrugated metal pipe arch, or plastic pipe, as allowed by EDSM II.2.1.1 or unless otherwise specified.
- (b) Cross Drain Pipe or Cross Drain Pipe Arch: When the item for Cross Drain Pipe or Cross Drain Pipe Arch is included in the contract, the contractor has the option of furnishing reinforced concrete pipe or reinforced concrete pipe arch, corrugated metal pipe or corrugated metal pipe arch, or plastic pipe, as allowed by EDSM II.2.1.1 or unless otherwise specified.

- (c) Storm Drain Pipe or Storm Drain Pipe Arch: When the item for Storm Drain Pipe or Storm Drain Pipe Arch is included in the contract, the contractor has the option of furnishing reinforced concrete pipe or reinforced concrete pipe arch, or plastic pipe, as allowed by EDSM II.2.1.1 or unless otherwise specified.
- (d) Yard Drain Pipe: When the item for Yard Drain Pipe is included in the contract, the contractor has the option of furnishing concrete sewer pipe, plastic yard drain pipe or plastic pipe in accordance with Section 1006 unless otherwise specified.
 - (e) Material Type Abbreviations:
 - (1) Reinforced Concrete Pipe:

RCP Reinforced Concrete Pipe RCPA Reinforced Concrete Pipe Arch

(2) Corrugated Metal Pipe:

CAP Corrugated Aluminum Pipe
CAPA Corrugated Aluminum Pipe Arch

CMP Corrugated Metal Pipe
CMPA Corrugated Metal Pipe Arch
CSP Corrugated Steel Pipe

CSP Corrugated Steel Pipe CSPA Corrugated Steel Pipe Arch

BCCSP Bituminous Coated Corrugated Steel Pipe
BCCSPA Bituminous Coated Corrugated Steel Pipe Arch

(3) Plastic Pipe:

PP Plastic Pipe

PVCP Polyvinyl Chloride Pipe

RPVCP Ribbed Polyvinyl Chloride Pipe

CPEPDW Corrugated Polyethylene Pipe Double Wall

(f) Joint Type Abbreviations:

T1 Type 1 Joint T2 Type 2 Joint T3 Type 3 Joint

(g) Quality Assurance for Pipe: Manufacturing plants will be periodically inspected for compliance with specified manufacturing methods, and material samples will be randomly obtained for laboratory testing for verification of manufacturing lots. Materials approved at the manufacturing plant will be subject to visual acceptance inspections at the jobsite or point of delivery.

701.03 EXCAVATION. For all pipe, when the sides of the trench are stable as evidenced by the sides of the trench being able to maintain a vertical cut face, the minimum trench width at the bottom of the excavation will be 18 inches (460mm) on either side of the outside diameter of the pipe. If the sides of the trench are unstable, the width of the trench at the bottom of the excavation, for plastic or metal pipe, shall be a minimum width of at least 18 inches (460mm) or one pipe diameter on each side of the outside diameter of the pipe, which ever is greater. Surplus material or excavated material that does not conform to the requirements of Subsection 203.06(a) shall be satisfactorily disposed of in accordance with Subsection 202.02. Moisture controls

Supplemental Specifications (August 2008) Page 8 of 30

including backfill materials selection and dewatering using sumps, wells, well points or other approved processes may be necessary to control excess moisture during excavation, installation of bedding, over-excavated trench backfilling, pipe placement and pipe backfill.

(a) Over-excavation: When unsuitable soils as defined in Subsection 203.04 or a stable, non-yielding foundation cannot be obtained at the established pipe grade, or at the grade established for placement of the bedding, unstable or unsuitable soils below this grade shall be removed and replaced with granular material meeting the requirements of Subsection 1003.07, bedding materials meeting the requirements of Subsection 1003.08 or Type A backfill. All granular, backfill materials placed below the established pipe or bedding grade shall be placed in lifts not exceeding 8 inches (200 mm) thick and sufficiently compacted by hand or a dynamic mechanical hand compaction device over the surface of each lift to form a stable, non-yielding foundation at the surface of the established bedding or pipe grade.

When rock is encountered, it shall be removed below grade and replaced with material complying with Subsection 1003.07, bedding materials meeting the requirements of Subsection 1003.08 or Type A backfill. The compacted earth cushion shall have a thickness under the pipe of at least 1/2 inch per foot (40 mm/m) of fill height over the top of the pipe with a minimum thickness of 8 inches (200 mm). All granular, backfill materials placed below the established pipe or bedding grade shall be placed in lifts not exceeding 8 inches (200 mm) thick and sufficiently compacted by hand or a dynamic mechanical hand operated compaction device over the surface of each lift to form a stable, non-yielding foundation at the surface of the established bedding or pipe grade.

Materials used to backfill in an over-excavated portion of a trench do not require encasement in a Geotextile Fabric.

Density of approved materials placed in over-excavated trenches will not be measured or determined.

701.04 FORMING PIPE BED. Bedding material, when specified, shall be constructed in accordance with Section 726. Materials allowed for bedding shall be as specified in Subsection 1003.08 or may be Type A backfill materials. When bedding materials are specified, additional excavation shall be performed below established pipe grade and the bedding material placed in lifts not exceeding 8 inches (200 mm) thick and lightly compacted by hand or a dynamic hand compaction device over the surface of each lift.

When the bottom of the pipe is not laid in a trench but is constructed above natural soils, a uniform bed shall be constructed as specified for the bottom of a trench.

Density of approved bedding materials will not be measured or determined.

701.05 LAYING PIPE. Pipe laying shall begin at the downstream end of the line. The pipe shall be in contact with the foundation throughout its length. Bell or groove ends of pipe and outside circumferential laps of riveted metal pipe shall be placed facing upstream. Riveted seam metal pipe shall be placed with longitudinal laps at sides. Pipes in each continuous line shall have the same wall thickness. Metal pipes provided with lifting lugs shall be handled only by these lugs.

After pipe has been laid and before backfill is placed, the engineer will inspect the pipe for alignment, grade, integrity of joints, and coating damage.

701.06 JOINING PIPE.

- (a) Joint Usage:
- (1) Type 1 (T1) joints shall be used for side drains under drives and similar installations.
- (2) Type 2 (T2) joints shall be used for cross drains under roadways, including turnouts.
- (3) Type 3 (T3) joints shall be used for closed storm drain systems, flumes and siphons.
- (b) Concrete Pipe: Concrete pipe may be either bell and spigot, or tongue and groove. The method of joining pipe sections shall be such that ends are fully entered and inner surfaces are flush and even.

An approved mechanical pipe puller shall be used for joining pipes over 36 inches (900 mm) in diameter. For pipe 36 inches (900 mm) or less in diameter, any approved method for joining pipe may be used which does not damage the pipe.

Joints shall comply with Subsection 1006.05, and shall be sealed with gasket material installed in accordance with the manufacturer's recommendations.

(c) Metal Pipe: Metal pipe shall be firmly joined by coupling bands. Bands shall be centered over the joint.

For Type 1 joints, approved gasket material shall be placed in one corrugation recess on each side of the joint at the coupling band and on each band connection in such manner to prevent leakage.

When Type 2 or 3 joints are specified, joining of metal pipe sections shall conform to the following provisions:

- (1) General: Band joints shall be sealed with gasket material. Gasket material shall be placed in accordance with the plan details.
- (2) Circular Section: Connecting bands shall be of an approved design and shall be installed in accordance with plan details.
- (3) Arch Section: Connecting bands shall be a minimum of 12 inches (300 mm) wide for pipe arch less than 36 inches (900 mm) round equivalent diameter, and a minimum of 21 inches (525 mm) wide for 36 inches (900 mm) round equivalent diameter pipe arch and greater. Bands shall be connected at the ends by approved angle or strap connections. Connecting bands used for 36 inches (900 mm) round equivalent diameter pipe arch and above shall be 2-piece bands.
- (d) Plastic Pipe: Joints for plastic pipe shall be either bell and spigot or split coupling bands.
- (1) Bell and Spigot Type Joint System: The method of joining pipe sections shall be such that ends are fully entered and inner surfaces are flush and even.

Any approved method for joining pipe may be used which does not damage the pipe.

Joints shall be approved and shall be sealed with a gasket system utilizing gasket material complying with Subsection 1006.06(a).

Supplemental Specifications (August 2008) Page 10 of 30

(2) Split Coupling Type Joint System: Split coupling bands shall comply with all dimensional and material requirements of Subsection 1006.07. The bands shall be centered over the joint. The split coupling band shall be secured to the pipe with a minimum of five stainless steel or other approved corrosion resistant bands.

Joints shall be approved and shall be sealed with gasket material. Gasket material shall be placed in the first two corrugation recesses on each side of the pipe connections. Gasket material shall also be placed on each band connection to prevent leakage. When flexible plastic gasket material is used it shall be a minimum of 1/2 inch (13 mm) in size. The bands shall be tightened to create overlap of the band and shall adequately compress the gasket material.

- (e) Connections: Approved connections shall be used when joining new pipes to existing pipes. When concrete collars are required in order to extend the ends of existing pipes that have been damaged or to join different types or sizes of pipes, the concrete collars shall be constructed in accordance with plan details, the applicable requirements of Section 901, and as directed.
- (f) Geotextile Fabric, Pipe Joints: For concrete, metal and plastic pipes, Types 2 and 3 joints shall be wrapped with geotextile fabric for a minimum of 12 inches (300 mm) on each side of joint for pipe 36 inches (900 mm) or less in diameter and a minimum of 18 inches (450 mm) on each side of the joint for pipe greater than 36 inches (900 mm) in diameter. Ends of the fabric shall be lapped at least 10 inches (250 mm). The edges and ends of fabric shall be suitably secured for the entire circumference of the pipe.

701.07 RELAYING PIPE. If specified or directed, existing pipes shall be removed and suitable sections relaid as specified for new pipes.

701.08 BACKFILLING.

(a) General: Prior to backfilling, pipes found to be damaged or out of alignment or grade shall be removed and reinstalled, or replaced.

Type A backfill material shall be stone, recycled portland cement concrete, flowable fill, or RAP.

Type B backfill materials are selected soils. Where Type B backfill materials are called for, Type A backfill materials may be substituted.

When corrugated metal pipe is used, the backfill material shall be tested and shall have a resistivity greater than 1500 ohm-cm and a pH greater than 5 when tested in accordance with DOTD TR 429 and DOTD TR 430 respectively.

When Type A backfill material is used, geotextile fabric surrounding this backfill shall be placed in accordance with Subsection 726.03 between the aggregate backfill material and all other natural or placed soils in the trench or embankment. Care shall be taken to prevent damage to geotextile fabric during placement of backfill material. For concrete pipe, the fabric shall enclose not only the initial backfill but shall be wrapped over the top of the pipe with at least 12 inches (300 mm) of overlap.

When a trench box or trench sheeting is used in unstable soils and/or for worker safety, and when moved during backfilling operations, filling and additional compaction of the disturbed zone of backfill must take place immediately and in a manner acceptable to the engineer.

Initial backfill is a structural backfill encasing the pipe from the bottom of the pipe to the springline for concrete pipe and to a point one foot (0.3 m) above the top of the pipe for both metal and plastic pipe. Final backfill is not a structural backfill and shall extend from the top of the initial backfill to the top of the natural ground or subgrade in cut areas or to the top of existing ground in fill areas. Any fill required above the final backfill is considered and treated as embankment.

- (b) Backfill Applications: For projects using A+B+C bidding method where rigid and flexible pavement alternates are considered, backfill application (2) below, "Cross Drains Under Flexible Pavements", shall apply for either rigid or flexible pavements.
- (1) Under Concrete Pavements: Type B backfill may be used as initial and final backfill for all pipes, culverts or drains under concrete pavements. Placement and compaction shall be as specified in Heading (d) below.
- (2) Cross Drains Under Flexible Pavements: All reaches, exclusive of those portions of the pipe which are under shoulders, of cross drains and all other culverts, pipes or drains that cross the centerlines of the new roadway or centerlines of existing roadways, such as intersections and are under flexible pavements shall receive an initial backfill of Type A material. Type B backfill materials may be used as final backfill for all pipes. Placement and compaction shall be as specified in Heading (c) and (d) below. Where the subgrade is above existing ground, embankment material as specified for the remainder of the project shall be used from the top of the final backfill to the top of the established embankment grade.
- (3) Other Drains Under Flexible Pavements: All reaches of all culverts, pipes or drains under flexible pavements that do not cross the centerlines of new roadway or centerlines of existing roadways, and exclusive of those portions of the pipe which are totally under shoulders, shall receive an initial and final backfill of Type B material. Placement and compaction shall be as specified in Heading (d) below. Where the subgrade is above existing ground, embankment material as specified for the remainder of the project shall be used from the top of the final backfill to the top of the established embankment grade.
- (4) Other Areas: All culverts, pipes or drains in nonpaved areas or paved areas that serve as driveways or shoulders shall receive an initial and final backfill of Type B material. Placement and compaction shall be as specified in Heading (d) below.
- (5) Pipes Subject to Construction Traffic; The embankment or pipe backfill shall be constructed to a minimum of 24 inches (600 mm) over the pipe before heavy construction equipment is allowed to cross the installation. Where practical, installations with less than 24 inches (600 mm) of cover over the top of the pipe shall be constructed after heavy hauling is completed over the pipe location. After completion of hauling operations, the contractor shall remove excess cover material. Pipe damaged by hauling and backfilling operations shall be removed and reinstalled, or replaced, at no direct pay.
- (c) Placement and Compaction; Type A Backfill: For all pipes, culverts and conduits under paved and nonpaved areas, where Type A backfill material is used, the Type A backfill shall be thoroughly hand compacted under the pipe haunches and then dynamically compacted in layers not exceeding 8 inches (200 mm) compacted thickness. Compaction under the haunches of the pipe shall initially be by hand tamping or other acceptable means, until a level is reached that the dynamic tamping can commence. Each lift shall be compacted by applying at least eight

Supplemental Specifications (August 2008) Page 12 of 30

passes of a hand operated, dynamic mechanical compaction device over the surface of each lift. With approval of the engineer, layer thickness may be increased to 12 inches (300 mm) with verification of satisfactory installation and performance. If flowable fill is used it shall be furnished, placed and consolidated in accordance with Section 710. The contractor shall control placement operations during initial backfill operations so as not to damage protective coatings on metal pipes. The contractor shall repair damaged coatings at no additional pay.

- (d) Placement and Compaction; Type B Backfill: For all pipes, culverts and conduits, where Type B backfill is allowed, the Type B material shall be placed in layers not exceeding 8 inches (200 mm) compacted thickness. Compaction shall be with suitable mechanical equipment. With approval of the engineer, layer thickness may be increased to 12 inches (300 mm) with verification of satisfactory installation and performance.
- (e) Placement and Compaction; Trenchless or Partial Trench Condition: All pipes, culverts, drains and conduits placed with any portion of the pipe above existing ground must also comply with Subsections (a),(b) (c) and (d) above for the portion of the pipe within a trench and that portion of the pipe not constructed in a trench. The width of initial and final backfill of that portion above existing ground and not within a trench will be constructed to such a width that the requirements for placement, compaction and density are met.
- (f) Density Requirements: The in place density of Type A backfill materials and bedding materials, will not be measured or determined. Type A backfill, exclusive of RAP and flowable fill, shall be placed at or near optimum moisture content determined in accordance with DOTD TR 415 or 418. RAP materials shall be placed and compacted in a slightly moist condition.

The maximum dry density of initial or final Type B backfill under all paved areas which are to be under traffic will be determined in accordance with DOTD TR 415 or TR 418 and inplace density determined in accordance with DOTD TR 401. Initial and final Type B backfill under all paved areas, under traffic, shall be placed at or near optimum moisture content determined in accordance with DOTD TR 415 or TR 418. Each layer shall be compacted by approved methods prior to the placement of a subsequent layer. The engineer will approve the compaction method based upon validation that such method, including moisture control, will achieve at least 95 percent of maximum dry density as determined in accordance with DOTD TR 401. With approval of the engineer, density testing may be waived on subsequent layers with backfill installation in accordance with approved compaction methods and continued satisfactory performance.

Initial and final backfill in unpaved areas or paved areas such as shoulders or driveways, shall be placed evenly and compacted along the length of the culvert, pipe or drain from the top of the initial backfill to the top of the subgrade. Layered backfill shall be compacted at least to the density of the adjoining existing soils or the compaction required of the laterally adjoining layers of soil immediately outside the trench for embankment elevations. Initial and final backfill shall be placed and compacted at or near optimum moisture content determined in accordance with DOTD TR 415 or TR 418.

701.09 INSPECTION OF PIPES. After completion of embankment and prior to roadway surfacing, the engineer shall inspect pipes for proper alignment and integrity of joints. Any misaligned pipe or defective joints shall be corrected by the contractor at no direct pay.

(a) Plastic Pipe: Installed plastic pipe shall be tested to ensure that vertical deflections do not exceed 5.0 percent. Maximum allowable deflections shall be governed by the mandrel requirements stated herein.

Deflection tests shall be performed no sooner than 30 calendar days after installation and compaction of backfill. The pipe shall be cleaned and inspected for offsets and obstructions prior to testing.

For pipe 36 inches (900 mm) and less in diameter, a mandrel shall be pulled through the pipe by hand to ensure that maximum allowable deflections have not been exceeded. The mandrel shall be approved by the engineer prior to use. Use of an unapproved mandrel or a mandrel altered or modified after approval will invalidate the test. If the mandrel fails to pass, the pipe is overdeflected.

Unless otherwise permitted, overdeflected pipe shall be uncovered and, if not damaged, reinstalled. Damaged pipe shall not be reinstalled, but shall be removed and replaced with new pipe. Any pipe subjected to any method or process other than removal, which attempts, even successfully, to reduce or cure any overdeflection, shall be removed and replaced with new pipe.

The mandrel shall be a rigid, nonadjustable, odd-numbered legged (minimum 9 legs) mandrel having a length not less than its nominal diameter or 24 inches (600 mm), whichever is less. The minimum diameter at any point shall be 5.0 percent less than the base inside diameter of the pipe being tested. The mandrel shall be fabricated of steel, aluminum or other approved material fitted with pulling rings at each end. The nominal pipe size and outside diameter of the mandrel shall be stamped or engraved on some segment other than a runner. A suitable carrying case shall be furnished.

For pipe larger than 36 inches (900 mm) in diameter, deflection shall be determined by a method approved by the engineer. If a mandrel is selected, the minimum diameter, length, and other requirements shall conform to the above requirements.

Mandrel testing shall be conducted by the contractor in the presence of the engineer. Mandrel testing shall be at no direct pay.

(b) Metal Pipe: If the inside diameter of metal pipe or rise dimension of metal pipe arch deflects more than 5.0 percent from original dimensions, they shall be removed and reinstalled, unless they do not rebound or are damaged. Pipe or pipe arch which are damaged or do not rebound shall be removed and replaced at no direct pay. Measurement of deflection will be made by the engineer away from rerolled ends.

701.10 CLEANING PIPES.

(a) Existing Pipes: Pipes designated to be cleaned shall be cleaned of soil, debris and other materials to the invert of the pipe. Designated pipes shall be cleaned by approved methods that will not damage the pipes. Any damage caused by the contractor's operations shall be satisfactorily repaired at no direct pay.

Removed soil, debris and other materials shall be disposed of in accordance with Subsection 202.02 or as otherwise approved in writing.

(b) Contractor Installed Pipes: Prior to final acceptance, pipes shall be cleaned of all debris and soil to the invert of the pipe at no direct pay.

Supplemental Specifications (August 2008) Page 14 of 30

Removed soil, debris and other materials shall be disposed of in accordance with Subsection 202.02 or as otherwise approved in writing.

701.11 STUBBING AND PLUGGING PIPES. When it is required that pipes be plugged, such plugs shall be constructed of Class R concrete complying with Section 901. Thickness of plug and method of construction shall be as directed.

When new pipes are to be stubbed into new or existing pipes or other structures, the connection shall be made with approved mortar complying with Subsection 702.02.

- 701.12 MEASUREMENT. Pipe, both new and relaid, will be measured in linear feet (lin m) as follows unless stated otherwise.
- (a) Pipe not confined by fixed structures will be measured by the number of joints at the nominal length of each joint.
- (b) Pipe confined by fixed structures will be measured along the pipe between the termini of pipe in structure walls.
- (c) Pipe confined by a fixed structure on one end and unconfined at the other end will be measured along the pipe from the terminus of pipe in the structure wall to the unconfined end of pipe.
- (d) Fabricating of pipe tees, elbows and other fittings will be measured per each fitting. The length of pipe in such fittings will be included in the pay length measurement of pipes of which they form a part.
- (e) Excavation required for installation of pipes will not be measured for payment, except as otherwise specified in Subsection 203.14.
- (f) Furnishing and placing backfill material below existing ground level for pipes will not be measured for payment. Backfill material needed to complete backfill above natural ground and around pipes that extend above natural ground will be measured and payment will be made under applicable earthwork items. When specified, flowable fill will be measured and paid for in accordance with Section 710.
 - (g) Plugging and stubbing of pipes will not be measured for payment.
 - (h) Cleaning existing pipes will be measured by the length of pipe cleaned and accepted.
 - (i) Concrete collars will be measured per each.

701.13 PAYMENT.

(a) Payment for pipe will be made at the contract unit price per linear foot (lin m) of the types and sizes specified.

When plastic pipe is specified on the plans or elected to be used by the contractor, payment will be made at the contract unit price per linear foot (lin m) of the types and sizes specified in accordance with the payment schedule of Table 701-1.

Table 701-1
Payment Schedule for Plastic Pipe

Percent Payment	Stage of Completeness	
75	After placement and backfill has been completed	
25	After the pipe has met vertical deflection requirements in accordance with Subsection 701.09(a)	

- (b) Payment for fabricating pipe tees, elbows and other fittings will be made at the contract unit price per each fitting.
- (c) When unstable conditions are encountered, the additional excavation will not be measured for payment; however, the additional materials furnished and placed for the pipe foundation will be measured and paid for as follows:
- (1) Granular Materials: Payment will be made under the embankment item. The net section volume of the materials will be multiplied by 3 to determine the pay volume. When the contract does not include a pay item for embankment, payment will be made in accordance with Subsection 104.02.
- (2) Bedding Material: Measurement and payment will be made in accordance with Section 726. When the contract does not include a pay item for bedding material, payment will be made in accordance with Subsection 104.02.
- (d) Payment for cleaning existing pipes will be made at the contract unit price per linear foot (lin m).
 - (e) Payment for concrete collars will be made at the contract unit price per each.

Payment will be made under:

Item No.	Pay Item	Pay Unit
701-01	Cross Drain Pipe (Size & Type)	Linear Foot (Lin m)
701-02	Cross Drain Pipe Arch (Size & Type)	Linear Foot (Lin m)
701-03	Storm Drain Pipe (Size & Type)	Linear Foot (Lin m)
701-04	Storm Drain Pipe Arch (Size & Type)	Linear Foot (Lin m)
701-05	Side Drain Pipe (Size)	Linear Foot (Lin m)
701-06	Side Drain Pipe Arch (Size)	Linear Foot (Lin m)
701-07	Yard Drain Pipe (Size)	Linear Foot (Lin m)
701-08	Relaying Pipe	Linear Foot (Lin m)
701-09	Fabricating Pipe Fittings	Each
701-10	Reinforced Concrete Pipe (Extension)	Linear Foot (Lin m)
701-11	Reinforced Concrete Pipe Arch (Extension)	Linear Foot (Lin m)
701-12	Corrugated Metal Pipe (Extension)	Linear Foot (Lin m)
701-13	Corrugated Metal Pipe Arch (Extension)	Linear Foot (Lin m)

Supplemental Specifications (August 2008) Page 16 of 30

701-14	Cleaning Existing Pipes	Linear Foot (Lin m)
701-15	Concrete Collar	Each
701-16	Plastic Pipe (Extension)	Linear Foot (Lin m)

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 706 - CONCRETE WALKS, DRIVES AND INCIDENTAL PAVING:

All Subsections within Section 706 (04/08), Pages 375 – 377.

Delete Section 706, Concrete Walks, Drives and Incidental Paving and substitute the following.

SECTION 706 CONCRETE WALKS, DRIVES AND INCIDENTAL PAVING

706.01 DESCRIPTION. This work consists of furnishing and constructing portland cement concrete walks, handicapped curb ramps, drives and incidental paving slabs in accordance with these specifications and in conformity with lines, grades and dimensions shown on the plans or established.

706.02 MATERIALS. Materials shall comply with the following Section or Subsections.

Portland Cement Concrete (Class M)	901
Joint Filler	1005.01(c)
Reinforcing Steel	1009.01
Curing Materials	1011.01

706.03 CONSTRUCTION REQUIREMENTS.

- (a) Excavation: Excavation shall be made to required depth and width. The top of the subgrade shall be shaped and compacted to a firm, even surface conforming to the section shown on the plans. Unsuitable material shall be removed and disposed of in accordance with Subsection 202.02 and replaced with approved material at no direct pay.
- (b) Forms: Forms shall be of wood or metal and shall extend the full depth of concrete. Forms shall be straight, clean and of sufficient strength to resist the pressure of concrete. Bracing of forms shall be such that forms remain in horizontal and vertical alignment until their removal.

Concrete may be placed by slip-form methods. Slip-formed concrete shall be placed with an approved machine designed to spread, vibrate, consolidate and finish concrete in one pass of the machine in such manner that minimum hand finishing is necessary. Sliding forms shall be

rigidly held together to prevent spreading of forms. After the passing of the side forms there shall be no noticeable slumping of concrete.

- (c) Subgrade: The subgrade shall be thoroughly moistened immediately prior to placing concrete.
- (d) Placing and Finishing: Concrete shall be placed on the subgrade, struck off to required thickness and tamped sufficiently to bring the mortar to the surface. The surface shall be finished with a wood float or steel trowel followed by brushing to a slightly rough finish. Joints and edges shall be rounded with an edging tool having a 1/4-inch (6 mm) radius.

(e) Joints:

- (1) Expansion Joints: Expansion joints shall be filled with 1/2 inch (13 mm) thick preformed expansion joint filler. Expansion joints shall be installed at maximum 100-foot (30 m) intervals, and between intersecting paving and any fixed structure such as a building, bridge or curbing, and between intersecting paving and the handicapped curb ramps. Expansion joint material shall extend for the full width and depth of paving.
- (2) Weakened Plane: Weakened planes shall be formed by a jointing tool or other acceptable means. Weakened planes shall extend into concrete for at least 1/4 of the depth and shall be approximately 1/8 inch (3 mm) wide.
- a. Walks: Spacing of weakened planes for walks shall be equal to the width of walk.
- b. Drives: A longitudinal weakened plane shall be formed along the centerline of drives more than 16 feet (5 m) wide, and transverse weakened planes shall be formed at not more than 16-foot (5 m) intervals.
- c. Incidental Paving: Weakened planes for incidental paving shall be formed at intervals not exceeding 30 times the thickness of the concrete in length or width. Incidental paving poured adjacent to jointed concrete shall be jointed to match existing joints, with intermediate joints formed as necessary not to exceed the maximum joint spacing.
- (3) Construction Joints: Construction joints shall be formed around manholes, utility poles, etc., extending into paving and 1/4 inch (6 mm) thick preformed expansion joint filler shall be installed in these joints.
- (4) Tie-ins: Tie-ins of existing concrete shall be made by full depth sawing at no direct pay.
 - (f) Curing: Concrete shall be cured in accordance with Subsection 601.10.
- (g) Detectable Warning Surface for Handicap Ramps and At-Grade Sidewalk Intersections: Sidewalks, when intersecting with roadways, shall be equipped with a detectable warning surface system consisting of raised truncated domes as a transition between the sidewalk and the street as required by the Americans with Disabilities Act, 28 CFR Part 36, ADA Standards for Accessible Design.

Detectable warnings (truncated domes) shall be installed on the ramp surface over the full width of the ramp throat for a distance of 24 inches (600 mm) in the direction of travel from the back of the curb. Detectable warnings (truncated domes) shall also be installed on at-grade sidewalks intersecting with roadways for a distance of 36 inches (900 mm) in the direction of travel from the end of the sidewalk. Truncated domes shall be laid out on a square grid in order to allow enough space for wheelchairs to roll between the domes.

Supplemental Specifications (August 2008) Page 18 of 30

Light reflectance of the truncated domes and the underlying surface must meet the 70 percent contrast requirement of ADAAG.

706.04 MEASUREMENT. Quantities of concrete walks, drives and incidental paving slabs for payment will be the design quantities as specified on the plans and adjustments thereto. Design quantities will be adjusted if the engineer makes changes to adjust to field conditions, if design errors are proven or if design changes are made. Design areas are based on the horizontal dimensions shown on the plans. Excavation, backfill, reinforcing steel and joint materials will not be measured for payment.

Handicapped curb ramps, including the detectable surface warning system, will be measured per each.

Detectable surface warning systems for at-grade sidewalk intersection will not be measured for payment.

706.05 PAYMENT. Payment for concrete walks, drives and incidental paving will be made on a lot basis at the contract unit price per square yard (sq m), adjusted in accordance with the following provisions. Payment for each lot will be made in accordance with Table 901-6. Size, sampling, and testing of each concrete lot shall be in accordance with the Materials Sampling Manual.

Payment for handicapped curb ramps, including the detectable surface warning system, will be made by each and shall include, but not limited to, curb transitions, detectable warning system, gutter, landing and base.

Payment will be made under:

Item No.	Pay Item	Pay Unit
706-01	Concrete Walk (inch (mm) Thick)	Square Yard (Sq m)
706-02	Concrete Drive (inch (mm) Thick)	Square Yard (Sq m)
706-03	Incidental Concrete Paving	• • • •
	(inch (mm) Thick	Square Yard (Sq m)
706-04	Handicapped Curb Ramps	Each

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	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		
RT TER	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		
M	All ADT's with time <2 weeks		Lane lines 4-foot (1.2m) tape on 40-foot (12 m) centers; double yellow centerline	
LONG TERM	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	• 1	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.

SECTION 729 - TRAFFIC SIGNS AND DEVICES:

<u>Subsection 729.02 – Materials (04/08), Pages 456 and 457.</u>

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 X.

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.

Supplemental Specifications (August 2008) Page 20 of 30

Subsection 729.04, Fabrication of Sign Panels and Markers (04/08), Pages 458 – 460.

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

ASTM D 4956 Type X 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 X 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 X 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 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.

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

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 1001 – HYDRAULIC CEMENT:

Subsection 1001.01 – Portland Cement (09/07). Page 749.

Delete the contents of this subsection and substitute the following.

1001.01 PORTLAND CEMENT. Portland cement shall be from an approved source listed in QPL 7 and shall comply with AASHTO M 85.

Alkali content calculated as sodium oxide equivalent shall not exceed 0.60 percent by weight for all types of cement.

SECTION 1003 – AGGREGATES:

<u>Subsection 1003.02 – Aggregates for Portland Cement Concrete and Mortar (07/07).</u> 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).

Supplemental Specifications (August 2008) Page 22 of 30

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

Aggregates for Types D and D Tavements						
U.S. Sieve	Metric Sieve	Percent Retained of Total Combined Aggregates				
U.S. Sieve	Medic Sieve	Pavement Type				
	į.	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	<u>Requirements</u>		
		Polymerized Chloroprene	Thermoplastic Vulcanizate	
Tensile Strength, kPa, Min. Elongation at Break, % Min. Hardness, Shore A Properties after Aging, 70 h @ 100°C Tensile Strength, % Loss, Max. Elongation, % loss, Max. Hardness, pts. increase, Max. Ozone Resistance, 20% strain or bentloop,	D 412 D 412 D 2240 D 573	12,400 200 65 ± 10 20 25 10	7,400 400 65 ± 10 20 25 10	
300 pphm in air, 70 h @ 40°C Oil Swell, IRM 903, 70 h @ 100°C, wt change, % Max.	D 1149 D 471	no cracks 45	no cracks 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:

<u>Subsection 1013.09</u> – 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:

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

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

Supplemental Specifications (August 2008) Page 24 of 30

(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 (04/08), Pages 833 – 838.

Delete the contents of this subsection and substitute the following. 1015.05 REFLECTIVE SHEETING.

- (a) Permanent and Temporary Standard Sheeting: Reflective sheeting shall be one of the following standard types as specified on the plans and complying with ASTM D 4956 except as modified herein. Permanent warning, regulatory, guide and supplemental guide sign sheeting shall meet the requirements of ASTM D 4956 Type X. Reflective sheeting for temporary signs and devices shall meet the requirements of ASTM D 4956 Type III except as noted in Subsection 1015.05(f). Reflective sheeting shall be an approved product listed in QPL 13.
- Type III A high-intensity retroreflective sheeting that is typically encapsulated glass-bead retroreflective material.
- Type VI An elastomeric high-intensity retroreflective sheeting without adhesive. This sheeting is typically a vinyl microprismatic retroreflective material.
- Type X A super high-intensity retroreflective sheeting having highest retroreflectivity characteristics at medium distances. This sheeting is typically an unmetalized microprismatic retroreflective element material.
- (b) Fluorescent Pink Retroreflective Sheeting: Signs for temporary control of traffic through incident management areas shall be Type VI fluorescent pink retroreflective sheeting and shall comply with the MUTCD. Temporary traffic control signs for incident management shall be placed to notify motorists of upcoming incidents on the roadway, and shall be removed from public view once the incident has been managed. Physical properties shall comply with ASTM D 4956. Photometric properties shall be as follows.
- (1) Retroreflectivity: Minimum Coefficients of Retroreflection shall be as specified in Table 1015-1.

Table 1015-1
Coefficients of Retroreflection for Fluorescent Pink Sheeting¹

Confidence of Itomorphical for I thorogonal I make Shouting						
Observation	Entrance	Fluorescent				
Angle, degrees	Angle, degrees	Pink				
0.2	-4	100				
0.2	+30	40				
0.5	-4	40				
0.5	+30	15				

¹Minimum Coefficient of Retroreflection (R_A) (cd lx⁻¹m⁻²)

(2) Color and Daytime Luminance: Color Chromaticity Coordinates and Daytime Luminance Factors shall be as specified in Table 1015-2.

Table 1015-2
Fluorescent Pink Color Specifications Limits (Daytime)

Chromaticity Coordinates (corner points) ¹						Luminance Factor, min.		
	1 2 3 4		2		3		4	Y%
X	у	х	у	X	у	X	у	25
0.450	0.270	0.590	0.350	0.644	0.290	0.536	0.230	23

The four pairs of chromaticity coordinates measured with CIE 2° Standard Observer and 45/0 (0/45) geometry and CIE D65 Standard Illuminant.

- (c) Adhesive Classes: The adhesive required for retroreflective sheeting shall be Class 1 (pressure sensitive) as specified in ASTM D 4956.
- (d) Accelerated Weathering: Reflective sheeting, when processed, applied and cleaned in accordance with the manufacturer's recommendations shall perform in accordance with the accelerated weathering standards in Table 1015-3.

Supplemental Specifications (August 2008) Page 26 of 30

Table 1015-3 Accelerated Weathering Standards¹

		Retror	eflectivity ²	Colorfastness ³		
Туре	Fluore	nge/ escent nge	All colors, except orange/Fluorescent Orange		Orange/ Fluorescent Orange	All colors, except orange/Fluorescent 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
X	1 year	80 ⁶	3 years	80 ⁶	1 year	3 years

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.

(e) Expected Sign Life Data and Performance: The sheeting manufacturer shall supply expected retroreflectivity service life curves for each of the following sign sheeting colors: white, green, blue, brown, red, and yellow. The service life curves shall be plots of the 95 percent expected life plotted on an x-y graph with life years on the x-axis and retroreflectivity on the y-axis. The expected life shall account for worst case installations, equivalent to an installation in South Louisiana with the sign facing to the South. The sheeting manufacturer shall also supply a table of expected life values taken from the service life curves for Revision Number 2 to the 2003 Edition of the MUTCD minimum reflectivity requirements published in the Federal Register on December 21, 2007. Reflective sheeting for signs, when processed, applied and cleaned in accordance with the manufacturer's recommendations shall perform outdoors in accordance with the performance standards in Table 1015-4.

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 4.

Table 1015-4
Reflective Sheeting Performance Standards

		<u> </u>			
	Retroreflectivity ¹ Durability ²				
Туре	Orange/ All colors, except Fluorescent orange/Fluorescent Orange Orange		Colorfastness ³		
III	3 years	80^{4}	10 years	80 ⁴	3 years
X	3 years	80 ⁵	7years	80 ⁵	3 years

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

(f) Temporary Signs, Barricades, Channelizing Devices, Drums and Cones: Reflective sheeting for temporary signs, barricades and channelizing devices, shall meet the requirements of ASTM D 4956, Type III except that temporary warning construction signs used on the mainline of freeways and expressways shall be fluorescent orange and meet the requirements of ASTM D 4956, Type X.

Reflective sheeting for vertical panels shall meet the requirements of ASTM D 4956, Type III.

Reflective sheeting for drums shall be a minimum of 6 inches (150 mm) wide and shall meet the requirements of ASTM D 4956, Type III, and the Supplementary Requirement S2 for Reboundable Sheeting as specified in ASTM D 4956. Reflective sheeting for traffic cone collars shall meet the requirements of ASTM D 4956, Type III or Type VI.

(g) Sheeting Guaranty. The contractor shall provide the Department with a guaranty from the sheeting manufacturer stating that if the retroreflective sheeting fails to comply with the performance requirements of this subsection, the sheeting manufacturer shall do the following:

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 D 4956 after installation and the field exposure time specified.

⁴ASTM D4956, Table 8.

⁵ASTM D 4956, Table 4.

Supplemental Specifications (August 2008) Page 28 of 30

Table 1015-5
Manufacturer's Guaranty-Reflective Sheeting

Туре	its field location effectiveness at no c	n to its original ost to the Department	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/Fluorescent Orange	All colors, except orange/Fluorescent Orange	All colors, except orange/Fluorescent Orange	
III	<3 years	<7 years	7-10 years	
X	<3 years	<5 years	5-7 years	

¹From the date of sign installation.

Replacement sheeting for sign faces, material, and labor shall carry the unexpired guaranty of the sheeting for which it replaces.

The sign fabricator shall be responsible for dating all signs with the month and year of fabrication at the time of sign fabrication. This date shall constitute the start of the guaranty obligation period.

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

Бресни	, manimilation of 1 1	ordinion r indicate re	·p·	
	Observation	Entrance	Specific Luminance (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

			Specific Luminance	
	Observation	Entrance	(mcd/sq m/lx)	
Time	Angle, degrees	Angle, degrees	<u>White</u>	<u>Yellow</u>
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 I): 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.

Supplemental Specifications (August 2008) Page 30 of 30

(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 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.

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 (%)
, in	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

01/83 OFCCP 41 CFR 60-4 (Required FHWA Provisions) Page 2 of 8

*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 non-federally 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

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

01/83 OFCCP 41 CFR 60-4 (Required FHWA Provisions) Page 4 of 8

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.
- 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

01/83 OFCCP 41 CFR 60-4 (Required FHWA Provisions) Page 6 of 8

- 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.
- 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.
- 1. 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 non-segregated 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 non-minority. Consequently, the contractor may be in violation of the Executive Order if a group is employed

01/83 OFCCP 41 CFR 60-4 (Required FHWA Provisions) Page 7 of 8

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 in underutilized).

- 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 Pubic 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

01/83 OFCCP 41 CFR 60-4 (Required FHWA Provisions) Page 8 of 8

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.

LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT SUPPLEMENTAL SPECIFICATIONS

SPECIFIC EQUAL EMPLOYMENT OPPORTUNITY RESPONSIBILITIES

1. General

- a. Equal employment opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal employment opportunity as required by Executive Orders 11246 and 11375 are set forth in Required Contract Provisions (Form FHWA-1273) and these Supplemental Specifications which are imposed pursuant to Section 140 of Title 23, U.S.C., as established by Section 22 of the Federal Aid Highway Act of 1968. The requirements set forth herein shall constitute the specific affirmative action requirements for project activities under this contract and supplement the EEO requirements set forth in the Required Contract Provisions.
- b. The contractor shall work with the Department and the Federal Government in carrying out EEO obligations and in their review of his activities under the contract.
- c. The contractor and all his subcontractors holding subcontracts not including material suppliers, of \$10,000 or more, shall comply with the following minimum specific requirement activities of EEO. The EEO requirements of Executive Order 11246, as set forth in the Federal-Aid Policy Guide 23 CFR 230A, are applicable to material suppliers as well as contractors and subcontractors. The contractor shall include these requirements in every subcontract of \$10,000 or more with such modification of language as necessary to make them binding on the subcontractor.

2. EEO Policy

The contractor shall accept as his operating policy the following statement which is designed to further the provision of EEO to all persons without regard to their race, color, religion, sex or national origin, and to promote the full realization of EEO through a positive continuing program:

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 or national origin. 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 on-the-job training.

06/84 FAPG 23 CFR 230A Appendix A Page 2 of 6

3. EEO Officer

The contractor shall designate and make known to the Department an EEO Officer who shall have the responsibility for and must be capable of effectively administering and promoting an active contractor EEO program and who must be assigned adequate authority and responsibility to do so.

4. Dissemination of Policy

- a. 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, shall be made fully cognizant of and shall 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 shall be taken as a minimum:
- (1) Periodic meetings of supervisory and personnel office employees shall be conducted before the start of work and then at least once every 6 months, at which time the contractor's EEO policy and its implementation shall be reviewed and explained. The meetings shall be conducted by the EEO Officer or other knowledgeable company official.
- (2) All new supervisory or personnel office employees shall be given a thorough indoctrination by the EEO Officer or other knowledgeable company official covering all major aspects of the contractor's EEO obligations within 30 days after their reporting for duty with the contractor.
- (3) All personnel who are engaged in direct recruitment for the project shall be instructed by the EEO Officer or appropriate company official in the contractor's procedures for locating and hiring minority group employees.
- b. To make the contractor's EEO policy known to all employees, prospective employees and potential sources of employees, i.e., schools, employment agencies, labor unions (where appropriate), college placement officers, etc., the contractor shall take the following actions:
- (1) Notices and posters setting forth the contractor's EEO policy shall be placed in areas readily accessible to employees, applicants for employment and potential employees.
- (2) The contractor's EEO policy and the procedures to implement such policy shall be brought to the attention of employees by means of meetings, employee handbooks or other appropriate means.

06/84 FAPG 23 CFR 230A Appendix A Page 3 of 6

5. Recruitment

- a. When advertising for employees, the contractor shall include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements shall be published in newspapers or other publications having a large circulation among minority groups in the area from which the project work force would normally be derived.
- b. The contractor shall, 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, including, but not limited to, State employment agencies, schools, colleges and minority group organizations. To meet this requirement, the contractor shall, through his EEO Officer, 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.

If 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 equal employment opportunity contract provisions. (The U.S. Department of Labor has held that where implementation of such agreements has 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 shall encourage his present employees to refer minority group applicants for employment by posting appropriate notices or bulletins in areas accessible to all such employees. In addition, information and procedures with regard to referring minority group applicants shall be discussed with employees.

6. 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 or national origin. The following procedures shall be followed.

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

06/84 FAPG 23 CFR 230A Appendix A Page 4 of 6

- c. The contractor shall periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor shall 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 shall promptly investigate all complaints of alleged discrimination made to the contractor in connection with his obligations under this contract, shall attempt to resolve such complaints, and shall 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 shall inform every complainant of all of his avenues of appeal.

7. Training and Promotion

- a. The contractor shall 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 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. If the Supplemental Specifications for Job Training are provided under this contract, this subparagraph will be superseded as indicated in Attachment 2.
- c. The contractor shall advise employees and applicants for employment of available training programs and entrance requirements for each.
- d. The contractor shall periodically review the training and promotion potential of minority group and women employees and shall encourage eligible employees to apply for such training and promotion.

8. Unions

If the contractor relies in whole or in part upon unions as a source of employees, the contractor shall use his 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 shall include the procedures set forth below:

06/84 FAPG 23 CF4 230A Appendix A Page 5 of 6

- a. The contractor shall 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.
- b. The contractor shall 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 or national origin.
- c. The contractor shall 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 Department and shall set forth what efforts have been made to obtain such information.
- d. If 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 shall, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex or national origin, making full efforts to obtain qualified and/or qualifiable minority group persons and women. (The U.S. Department of Labor 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.) If the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these specifications, such contractor shall immediately notify the Department.

9. Subcontracting

- a. The contractor shall use his best efforts to solicit bids from and utilize minority group subcontractors with meaningful minority group and female representation among their employees. Contractors shall obtain lists of minority-owned construction firms from the Department.
- b. The contractor shall use his best efforts to ensure subcontractor compliance with their EEO obligations.

10. Records and Reports

a. The contractor shall keep such records as necessary to determine compliance with the contractor's EEO obligations. The records kept by the contractor shall indicate:

06/84 FAPG 23 CFR 230A Appendix A Page 6 of 6

- (1) the number of minority and nonminority group members and women employed in each work classification on the project,
- (2) the progress and efforts being made in cooperation with unions to increase employment opportunities for minorities and women (applicable only to contractors who rely in whole or in part on unions as a source of their work force),
- (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 minority group subcontractors with meaningful minority and female representation among their employees.
- b. All such records must be retained for a period of 3 years following completion of the contract work and shall be available at reasonable times and places for inspection by authorized representatives of the Department and the Federal Highway Administration.
- c. The contractor shall submit an annual report to the Department each July for the duration of the project, indicating the number of minority, women and nonminority group employees currently engaged in each work classification required by the contract work. This information shall be reported on Form PR-1391. If job training is required, the contractor shall furnish Form DOTD 03-37-0014.

LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS

I. General II. Nondiscrimination	. 1 . 3
	. 1 . 3
II Ndiscolution	.3
II. Nondiscrimination	
III. Nonsegregated Facilities	
IV. Payment of Predetermined Minimum Wage	.3
V. Statements and Payrolls	. 6
VI. Record of Materials, Supplies, and Labor	.7
VII. Subletting or Assigning the Contract	.7
VIII. Safety: Accident Prevention	.7
IX. False Statements Concerning Highway Projects	.7
X. Implementation of Clean Air Act and Federal	
Water Pollution Control Act	. 8
XI. Certification Regarding Debarment, Suspension,	
Ineligibility, and Voluntary Exclusion	. 8
XII. Certification Regarding Use of Contract	
Funds for Lobbying	0

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.
- 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.
- 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 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.
- All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all

04/93 (Rev. 05/94) Required Contract Provisions Page 2 of 10

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 discriminator; 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.
- 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.

04/93 (Rev. 05/94) Required Contract Provisions Page 3 of 10

- 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:
- 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, wemen, 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 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 I, 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 Admiristrator, or an authorized representative, will approve, modify, or clisapprove 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 apprenticeship agency (where appropriate) to be eligible for probationary employment as an apprentice.
- (2) The allowable ratio of apprentices to journeymanlevel 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

04/93 (Rev. 05/94) Required Contract Provisions Page 5 of 10

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 trainces 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 traince 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 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.

$9. \ \ Withholding \quad for \quad Unpaid \quad Wages \quad and \quad Liquidated \\ Damages:$

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, trainces, 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 that 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 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

04/93 (Rev. 05/94) Required Contract Provisions Page 7 of 10

- 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.
- 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

- I. 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 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,

04/93 (Rev. 05/94) Required Contract Provisions Page 8 of 10

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 that \$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, SUSPENSION, INELIGIBILITY AND 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 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.

04/93 (Rev. 05/94) Required Contract Provisions Page 9 of 10

- 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 Jower 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.

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04/93 (Rev. 05/94) Required Contract Provisions Page 10 of 10

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.

LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

REQUIRED CONTRACT PROVISIONS FOR DBE PARTICIPATION IN FEDERAL AID CONSTRUCTION CONTRACTS (DBE GOAL PROJECT)

- **A. AUTHORITY AND DIRECTIVE**: The Code of Federal Regulations, Title 49, Part 26 (49 CFR Part 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 this 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. FAILURE TO COMPLY WITH DBE REQUIREMENTS**: All contractors and subcontractors are hereby advised that failure to carry out the requirements set forth above shall constitute a breach of contract and, after notification by DOTD may result in rejection of the bid; 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. Failure to comply with the DBE requirements shall include but not be limited to failure to meet the established goal and/or failure to submit documentation of good faith efforts; failure to exert a reasonable good faith effort (as determined by DOTD) to meet established goals; and failure to realize the DBE participation set forth on approved Form CS-6AAA and attachments. Failure to submit Form CS-6AAA and attachments and/or reasonable good faith efforts' documentation within the specified time requirements will result in the Department taking the actions specified in Heading G(6) below. The utilization of DBE is in addition to all other equal opportunity requirements of the contract. The contractor shall include the provisions in Sections B, C and D of these provisions in subcontracts so that such provisions will be binding upon each subcontractor, regular dealer, manufacturer, consultant, or service agency.
- E. ELIGIBILITY OF DBE: The DOTD has included as part of the solicitation of bids a current list containing the names of firms that have been certified as eligible to participate as DBE on US DOT assisted contracts. This list is not an endorsement of the quality of performance of the firm but is simply an acknowledgment of the firm's

eligibility as a DBE. This list indicates the project numbers and letting date for which this list is effective. Only DBE listed on this list may be utilized to meet the established DBE goal for these projects.

- F. COUNTING DBE PARTICIPATION TOWARD DBE GOALS: DBE participation toward attainment of the goal will be credited on the basis of total subcontract prices agreed to between the contractor and subcontractors for the contract items or portions of items being sublet as reflected on Form CS-6AAA and attachments, in accordance with the DOTD DBE Program, and the following criteria.
 - (1) Credit will only be given for use of DBE that are certified by the Louisiana Unified Certification Program. Certification of DBE by other agencies is not recognized.
 - (2) The total value of subcontracts awarded for construction and services to an eligible DBE is counted toward the DBE goal provided the DBE performs a commercially useful function. The contractor is responsible for ensuring that the goal is met using DBE that perform a commercially useful function.

The contractor shall operate in a manner consistent with the guidelines set forth in the DOTD DBE Program. A commercially useful function is performed when a DBE is responsible for the execution of a distinct element of work by actually managing, supervising, and performing the work in accordance with standard industry practices except when such practices are inconsistent with 49 CFR Part 26 as amended, and the DOTD DBE Program, and when the DBE receives due compensation as agreed upon for the work performed. To determine whether a DBE is performing a commercially useful function, the DOTD shall evaluate the work subcontracted in accordance with the DOTD DBE Program, industry practices and other relevant factors. When an arrangement between the contractor and the DBE represents standard industry practice, if such arrangement erodes the ownership, control or independence of the DBE, or fails to meet the commercially useful function requirement, the contractor will not receive credit toward the goal.

- (3) A DBE prime contractor may count only the contract amount toward DBE participation for work he/she actually performs and for which he/she is paid. Any subcontract amounts awarded to certified DBE by a DBE prime will also be credited toward DBE participation provided the DBE subcontractor performs a commercially useful function.
- (4) A contractor may count toward the DBE goal 100 percent of verified delivery fees paid to a DBE trucker. The DBE trucker must manage and supervise the trucking operations with its own employees and use equipment owned by the DBE trucker. No credit will be counted for the purchase or sale of material hauled unless the DBE trucker is also a DOTD certified DBE supplier. No credit will be counted unless the DBE trucker is an approved subcontractor.
- (5) A contractor may count toward the DBE goal that portion of the dollar value with a joint venture equal to the percentage of the ownership and control of the DBE partner in the joint venture. Such crediting is subject to a favorable DOTD review of the joint venture agreement to be furnished by the apparent low bidder before award of the contract. The joint venture agreement shall include a detailed breakdown of the following:
 - a. Contract responsibility of the DBE for specific items of work.
 - b. Capital participation by the DBE.
 - c. Specific equipment to be provided to the joint venture by the DBE.
 - d. Specific responsibilities of the DBE in the control of the joint venture.
 - e. Specific manpower and skills to be provided to the joint venture by the DBE.
 - f. Percentage distribution to the DBE of the projected profit or loss incurred by the joint venture.
- (6) A contractor may count toward the DBE goal only expenditures for materials and supplies obtained from DBE suppliers and manufacturers in accordance with the following:

- a. The DBE supplier assumes actual and contractual responsibility for the provision of materials and supplies.
- b. The contractor may count 100 percent of expenditures made to a DBE manufacturer provided the DBE manufacturer operates or maintains a factory or establishment that produces on the premises the materials or supplies obtained by the contractor.
- c. The contractor may count 60 percent of the expenditures to DBE suppliers who are regular dealers but not manufacturers, provided the DBE supplier performs a commercially useful function in the supply process including buying the materials or supplies, maintaining an inventory, and selling materials regularly to the public. Dealers in bulk items such as steel, cement, aggregates and petroleum products are not required to maintain items in stock, but they must own or operate distribution equipment. The DBE supplier shall be certified as such by DOTD.
- d. A DBE may not assign or lease portions of its supply, manufactured product, or service agreement without the written approval of the DOTD.
- (7) A contractor may count toward the DBE goal reasonable expenditures to DBE firms including fees and commissions charged for providing a bona fide service; fees charged for hauling materials unless the delivery service is provided by the manufacturer or regular dealer as defined above; and fees and commissions for providing any bonds or insurance specifically required for the performance of the contract.
- (8) The contractor will not receive credit if the contractor makes direct payment to the material supplier. However, it may be permissible for a material supplier to invoice the contractor and DBE jointly and be paid by the contractor making remittance to the DBE firm and material supplier jointly. Prior approval by DOTD is required.
- (9) The contractor will not receive credit toward the DBE goal for any subcontracting arrangement contrived to artificially inflate the DBE participation.
- **G. AWARD DOCUMENTATION AND PROCEDURE**: This project has specific DBE goal requirements set forth in the Special Provision for DBE Participation in Federal Aid Construction Contracts. The bidder by signing this bid certifies that:
 - (1) The goal for DBE participation prescribed in the special provisions shall be met or exceeded and arrangements have been made with certified DBE or good faith efforts made to meet the goal will be demonstrated.
 - (2) Affirmative actions have been taken to seek out and consider DBE as potential subcontractors. Bidders shall contact DBE to solicit their interest, capability, and prices in sufficient time to allow them to respond effectively, and shall retain, on file, proper documentation to substantiate their good faith efforts.
 - (3) Form CS-6AAA and "Attachment to Form CS-6AAA" and, if necessary, documentation of good faith efforts shall be submitted within 10 business days following the opening of bids to the <u>DOTD Compliance Programs Office</u>. Submittals shall be personally delivered and date and time stamped into the DOTD Compliance Programs Office by the close of business, 10 business days after opening of bids; or mailed to the DOTD Compliance Programs Office by certified mail, return receipt requested and post marked by the 10th business day after the opening of bids. A business day is defined as a normal working day of DOTD.

Should a bidder protest or appeal any matter regarding the bidding or award of a contract in accordance with Subsection 102.13 of the 2006 Standard Specifications (Subsection 102.13 of the 2000 Louisiana Standard Specifications) after the scheduled time of bid opening, the Compliance Programs Section will immediately suspend the ten day requirement for submission of the CS-6AAA and Attachments until further notice and will notify all parties involved of the suspension. Once the protest has been resolved the

Compliance Programs Section will notify the low bidder and issue a date for submission of the CS-6AAA and Attachments.

All attachments to Form CS-6AAA shall include:

- a. The names of DBE subcontractors that will actually participate in meeting the contract goal; and
- b. A complete description of the work to be performed by the DBE including the specific items or portions of items of work, quantities, and unit price(s) of each item; and
- c. The total dollar value of each item that can be credited toward the contract goal; and
- d. Any assistance to be provided to the DBE; and
- e. The original signature of each DBE and the contractor attesting that negotiations are in progress and that it is the intention of the parties to enter into a subcontract within 60 calendar days from the time the contract is finalized between the contractor and DOTD.

It shall be the bidder's responsibility to ascertain the certification status of designated DBEs. An extension of time for submittal of Form CS-6AAA and Attachments will not be granted beyond the stated time. Questionable technical points will be cleared with the DOTD Compliance Programs Office within the time period allowed. If the documentation required is not provided in the time and manner specified, DOTD will take the actions specified in Heading (6) below.

(4) If the apparent low bidder is not able to meet the DBE goal, the DBE firms that can meet a portion of the goal shall be listed on the form CS-6AAA. Form CS-6AAA and attachments shall be completed and submitted in accordance with Heading (3) above 10 business days after opening of bids. Form CS-6AAA shall indicate the DBE participation which has been secured along with documentation of good faith efforts. The apparent low bidder shall document and submit justification stating why the goal could not be met and demonstrate the good faith efforts as shown in Section J.

The DOTD's evaluation of good faith efforts in the pre-award stage will focus only on efforts made prior to submittal of the bid. For consideration, good faith efforts shall include the requirements listed in these provisions as well as other data the contractor feels is relevant.

- (5) Form CS-6AAA and attachments, and documentation of good faith efforts, when appropriate, will be evaluated by DOTD in the selection of the lowest responsible bidder. The information provided shall be accurate and complete. The apparent low bidder's proposed attainment of the DBE goal and/or demonstration of good faith efforts will be considered in the award of the contract.
- (6) An apparent low bidder's failure, neglect, or refusal to submit Form CS-6AAA and attachments committing to meet or exceed the DBE goal and/or documentation of good faith efforts, shall constitute just cause for forfeiture of the proposal guarantee and the DOTD rejecting the bid, pursuing award to the next lowest bidder, or re-advertising the project. The original apparent low bidder will not be allowed to bid on the project should readvertisement occur.

The apparent low bidder shall forfeit the proposal guarantee unless the bidder can show that the reason for not meeting the requirements given in these DBE Provisions was beyond the bidder's control. The DOTD DBE Oversight Committee will review the bidder's reasons for not meeting these DBE Provisions and will decide if the reasons are sufficient to allow return of the proposal guarantee.

(7) The bidder has the right to appeal the DOTD's findings and rulings to the DOTD Chief Engineer. The bidder may present information to clarify the previously submitted documentation. The decision rendered by the DOTD Chief Engineer will be administratively final. There shall be no appeal to the US DOT. If the DOTD Chief Engineer does not rule in favor of the original apparent low bidder, the new apparent low bidder shall submit, in detail, its subsequent proposed DBE participation within 14 calendar days after notification.

(8) Agreements between the bidder and the DBE, whereby the DBE agrees not to provide subcontracting quotations to other bidders, are prohibited.

H. POST AWARD COMPLIANCE

- (1) If the contract is awarded on less than full DBE goal participation, such award will not relieve the contractor of the responsibility to continue exerting good faith efforts. The contractor shall submit documentation of good faith efforts with requests to sublet prior to approval of subcontracting work being performed on the project.
- (2) The contractor shall establish a program which will effectively promote increased participation by DBE in the performance of contracts and subcontracts. The contractor shall also designate and make known to the DOTD a liaison officer who will be responsible for the administration of the contractor's DBE program.
- (3) The contractor shall enter into subcontracts or written agreements with the DBE identified on Form CS-6AAA and attachments for the kind and amount of work specified. The subcontracting requirements of the contract will apply. The contractor shall submit copies of subcontracts or agreements with DBE to DOTD upon request.
- (4) The contractor shall keep each DBE informed of the construction progress schedule and allow each DBE adequate time to schedule work, stockpile materials, and otherwise prepare for the subcontract work.
- (5) At any point during the project when it appears that the scheduled amount of DBE participation may not be achieved, the contractor shall provide evidence demonstrating how the goal will be met.
- (6) If the contractor is unable to demonstrate to the DOTD's satisfaction that it failed to achieve the scheduled DBE participation due to reasons other than quantitative underruns or elimination of items contracted to DBE and that good faith efforts have been used to obtain the scheduled contract participation, the DOTD may withhold an amount equal to the difference between the DBE goal and the actual DBE participation achieved as damages.
- (7) When the DOTD has reason to believe the contractor, subcontractor, or DBE may not be operating in compliance with the terms of these DBE provisions, to include, but not be limited to the encouragement of fronting, brokering, or not providing a commercially useful function, the DOTD will conduct an investigation of such activities with the cooperation of the parties involved. If the DOTD finds that any person or entity is not in compliance, the DOTD will notify such person or entity in writing as to the specific instances or matters found to be in noncompliance.

At the option of the DOTD, the person or entity may be allowed a specified time to correct the deficiencies noted and to achieve compliance. In the event that the person or entity cannot achieve compliance, or fails or refuses to do so, the DOTD reserves the right to initiate administrative action against the contractor which may include but not be limited to terminating the contract; withholding a percentage of the contractor's next partial payment equal to the shortfall amount until corrective action is taken; or other action the DOTD deems appropriate. The contractor has the right to appeal the DOTD's finding and rulings to the DOTD Chief Engineer.

The contractor may present additional information to clarify that previously submitted. Any new information not included in the original submittal will not be used in the final determination. The decision rendered by the DOTD Chief Engineer will be administratively final.

(8) To ensure that the obligations under subcontracts awarded to subcontractors are met, the DOTD will review the contractor's efforts to promptly pay subcontractors for work performed in accordance with the executed subcontracts. The contractor shall promptly pay subcontractors and suppliers, including DBE, their respective subcontract amount within 14 calendar days after the contractor receives payment from DOTD for the items satisfactorily performed by the subcontractors in accordance with Louisiana Revised Statute 9:2784. The contractor shall provide the DBE with a full accounting to include quantities paid and

deductions made from the DBE's partial payment at the time the check is delivered. Retainage may not be held by the contractor. Delay or postponement of payment to the subcontractor may be imposed by the contractor only 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 of payment must have written approval by the Project Engineer. Failure to promptly pay subcontractors or to release subcontractors' retainage shall constitute a breach of contract and after notification by the DOTD may result in (1) a deduction from the contract funds due or to become due the contractor, (2) disqualification of a contractor as non-responsive, or (3) any other such remedy under the contract as DOTD deems appropriate. All subcontracting agreements made by the contractor shall include the current payment to subcontractors provisions as incorporate in the contract. All disputes between contractors and subcontractors relating to payment of completed work or retainage shall be referred to the DBE Oversight Committee. Members of the DBE Oversight Committee are: the Deputy Chief Engineer,; the DOTD Compliance Programs Director; and a FHWA Division Representative.

- (9) The contractor shall meet the requirements of Subsection 108.01 Subletting of Contract, and shall submit DOTD Forms OMF-1A, Request to Sublet and OMF-2A, Subcontractor's EEO Certification. These forms shall be approved by DOTD before any subcontract work is performed.
- (10) DOTD reserves the right to withhold any partial payment from the contractor when it is determined that a DBE is not performing a commercially useful function or that achievement of the goal is in jeopardy. Payment may be withheld in the amount of the DBE goal that is in jeopardy until either the contractor submits to DOTD a revised plan for achieving the contract goal and the plan is approved, or the DBE goal amount in question has been met.
- (11) The DOTD will monitor the contractor's DBE involvement during the contract, the level of effort by the contractor in meeting or exceeding the goal requirements in the contract, the contractor's attempts to do so, and the efforts in soliciting such involvement. If, at the completion of the project, the contractor has failed to meet the DBE goal and has not demonstrated good faith efforts or obtained a waiver or reduction of the goal, DOTD will withhold an amount equal to the difference between the DBE goal and the actual DBE participation achieved as damages.

I. SUBSTITUTIONS OF DBE FIRMS AFTER AWARD

- (1) The contractor shall conform to the scheduled amount of DBE participation.
- (2) Contract items designated to be performed by the DBE on Form CS-6AAA and attachments shall be performed by the designated DBE or DOTD approved substitute. Substitutions of named DBE shall be approved in writing by the DOTD Compliance Programs Section. Substituted DBE shall not commence work until the contractor is able to demonstrate that the listed DBE is unable to perform because of default, overextension on other jobs, or other acceptable justification. It is not intended that a contractor's ability to negotiate a more advantageous contract with another subcontractor be considered a valid basis for change. Substitution of DBE will be allowed only when the DBE is unable to perform due to default, overextension on other jobs, or other similar justification. Evidence of good faith efforts exerted by the contractor shall be submitted to DOTD for approval. Pay items of work eliminated from the project will not diminish the contractor's DBE participation.
- (3) Under no circumstances will a contractor perform work originally designated to be performed by a DBE without prior written approval from the DOTD Compliance Programs Section.
- (4) When a listed DBE is unwilling or unable to perform the items of work specified in the Form CS-6AAA and attachments, the contractor shall immediately notify the DOTD Compliance Programs Section.

When a contractor's request to be relieved of the obligation to use the named DBE results in a DBE Goal shortfall, the contractor shall immediately take steps to obtain another certified DBE to perform an equal amount of allowable credit work or make documented good faith efforts to do so. The new DBE's name and designated work shall be submitted to the DOTD for approval using Form OMF-1A, Request to Sublet, prior to proceeding with the work.

If the contractor is unable to replace a defaulting DBE with another DBE for the applicable item, a good faith effort shall be made to subcontract other items to DBE for the purpose of meeting the goal. The DOTD Compliance Programs Section will determine if the contractor made an acceptable good faith effort in awarding work to DBE firms. Any disputes concerning good faith efforts will be referred to the DBE Oversight Committee. The DOTD Compliance Programs Section may allow a waiver or adjustment of the goal as may be appropriate, depending on individual project circumstances.

- J. GOOD FAITH EFFORTS: Good faith efforts are required by the contractor when the DBE goals established for a contract are not met, or at anytime during the contract when achievement of the DBE goal is in jeopardy. It is the contractor's responsibility to provide sufficient evidence for DOTD to ascertain the efforts made. The contractor shall demonstrate good faith efforts to maximize participation by DBE prior to award and during the life of the contract. Good faith efforts include personal contacts, follow-ups and earnest negotiations with DBE. DOTD will consider, at a minimum, the following efforts as relevant, although this listing is not exclusive or exhaustive and other factors and types of efforts may be relevant:
 - (1) Efforts made to select portions of the work to be performed by DBE in order to increase the likelihood of achieving the stated goal. It is the contractor's responsibility to make a sufficient portion of the work available to subcontractors and suppliers and to select those portions of work or materials consistent with the availability of DBE subcontractors and suppliers to assure meeting the goal for DBE participation. Selection of portions of work are required to at least equal the DBE goal in the contract.
 - (2) Written notification at least 14 calendar days prior to bid opening which solicits a reasonable number of DBE interested in participation in the contract as a subcontractor, regular dealer, manufacturer, or consultant for specific items of work. The contractor shall provide notice to a reasonable number of DBE that their interest in the contract is being solicited, with sufficient time to allow the DBE to participate effectively. The contractor shall seek DBE in the same geographic area from which it generally seeks subcontractors for a given project. If the contractor cannot meet the goal using DBE from the normal area, the contractor shall expand its search to a wider geographic area.
 - (3) Demonstrated efforts made to negotiate in good faith with interested DBE for specific items of work include:
 - a. The names, addresses and telephone numbers of DBE contacted. The dates of initial contact and whether initial solicitations of interest were followed-up personally, by mail, or by phone to determine the DBE interest
 - b. A description of the information provided to DBE regarding the nature of the work, the plans and specifications and estimated quantities for portions of the work to be performed.
 - c. A statement of why additional agreements with DBE were not reached.
 - d. Documentation of each DBE contacted but rejected and the reasons for rejection. All bids and quotations received from DBE subcontractors whether verbal or written, and the contractor's efforts to negotiate a reasonable price shall be submitted. Rejecting a DBE's bid because it was not the lowest quotation received will not be satisfactory reason without an acceptable explanation of how it was determined to be unreasonable. A statement that the DBE's quotation was more than the contractor's bid price for an item or items will not be acceptable.
 - e. Copies of all bids and quotations received from DBE subcontractors and an explanation of why they were not used.

- f. Scheduling meetings to discuss proposed work or to walk the job-site with DBE.
- g. Informing DBE of any pre-bid conferences scheduled by the DOTD.
- h. Assisting DBE in obtaining bonding, insurance, or lines of credit required by the contractor.
- i. Evidence of DBE contacted but rejected as unqualified, accompanied by reason for rejection based on a thorough investigation of the DBEs capabilities.
- j. Any additional information not included above which would aid the DOTD in evaluation of the contractor's good faith efforts.
- (4) The following are examples of actions that <u>will not</u> be accepted as justification by the contractor for failure to meet DBE contract goals:
 - a. Failure to contract with a DBE solely because the DBE was unable to provide performance and/or payment bonds.
 - b. Rejection of a DBE bid or quotation based on price alone.
 - c. Failure to contract with a DBE because the DBE will not agree to perform items of work at the unit price bid.
 - d. Failure to contract with a DBE because the contractor normally would perform all or most of the work in the contract.
 - e. Rejection of a DBE as unqualified without sound reasons based on a thorough investigation of their capabilities.
 - f. Failure to make more than mail solicitations.
- K. RECORD KEEPING REQUIREMENTS: The contractor shall keep such records as are necessary for the DOTD to determine compliance with the DBE contract obligations. These records shall include the names of subcontractors, including DBE; copies of subcontracts; the type of work being performed; documentation such as canceled checks and paid invoices verifying payment for work, services, and procurement; and documentation of correspondence, verbal contacts, telephone calls, and other efforts to obtain services of DBE. When requested, the contractor shall submit all subcontracts and other financial transactions executed with DBE in such form, manner and content as prescribed by DOTD. The DOTD reserves the right to investigate, monitor and/or review actions, statements, and documents submitted by any contractor, subcontractor, or DBE.
- L. REPORTING REQUIREMENTS: The contractor shall submit monthly reports on DBE involvement. At the conclusion of each estimate period the contractor shall submit the Form CP-1A, CONTRACTORS MONTHLY DBE PARTICIPATION, to the project engineer to verify actual payments to DBE for the previous month's reporting period. These reports will be required until all DBE subcontracting activity is complete or the DBE Goal has been achieved. Reports are required regardless of whether or not DBE activity has occurred in the monthly reporting period.

Upon completion of all DBE participation, the contractor shall submit the Form CP-2A, DBE FINAL REPORT, to the DOTD Compliance Programs Section with a copy to the project engineer detailing all DBE subcontract payments. When the actual amount paid to DBE is less than the award amount, a complete explanation of the difference is required. If the DBE goal is not met, documentation supporting good faith efforts shall be submitted. Failure to submit the required reports will result in the withholding of partial payments to the contractor until the reports are submitted. All payments due subcontractors which affect DBE goal attainment, including retainage, shall be paid by the contractor before the DOTD releases the payment/performance/retainage

06/08 FHWA Goal Project 49 CFR Part 26

The DOTD reserves the right to conduct an audit of DBE participation prior to processing the final estimate and at any time during the work.

M. APPLICABILITY OF PROVISIONS TO DBE BIDDERS: These provisions are applicable to all bidders including DBE bidders. The DBE bidder is required to perform at least 50 percent of the work of the contract with its own work force in accordance with the terms of the contract, normal industry practices, and the DOTD DBE Program. If the DBE bidder sublets any portion of the contract, the DBE bidder shall comply with provisions regarding contractor and subcontractor relationships. A DBE prime contractor may count only the contract amount toward DBE participation for work that he/she actually performs and any amounts awarded to other certified DBE subcontractors that perform a commercially useful function.

FORM CS-6AAA BIDDERS ASSURANCE OF DBE PARTICIPATION

S.P.#	Contract Amount: S									
F.A.P.#	DBE Goal Percentage									
Letting Date:	DBE Goal Dollar Value: S									
By its signature affixed hereto, the contractor assures only one box):	the DOTD that one of the	following situations exists (check								
☐ The project goal will be met or exceeded.☐ A portion of the project goal can be meattached. DBE Goal Participation Amount	et, as indicated below. G	ood faith effort documentation is								
The contractor certifies that each firm listed is currently items of work shown on the attachment(s). The contractor in the special provisions will be met or exceeded, or that negotiations are in progress or complete and that a subcocalendar days after award of contract.	or having assured that the go the portion of the DBE goal	al for DBE participation prescribed will be met or exceeded, attests that								
NAME OF DBE FIRM(S)		INTENDED SUBCONTRACT PRICE ¹								
	······································									
¹ For supplier list only the value of the subcontract that can the amount shown for the supplier on the Attachment to FCS-6AAA.										
The contractor assessed the capability and availability of subcontract(s) as described on the attachments.	of named firm(s) and sees no imp	pediment to prevent award of								
The contractor assessed the capability and availability of named firm(s) and sees no impediment to prevent award of subcontract(s) as described on the attachments. The contractor shall evaluate the subcontract work or services actually performed by the DBE to ensure that a commercially seful function is being served in accordance with the Required Contract Provisions for DBE Participation in Federal Aid Construction Contracts. The contractor understands that no credit toward the DBE goal will be allowed for DBE that do not erform a commercially useful function. The contractor has a current copy of the DOTD DBE Program Implementation Guide which details the methods of operation that are acceptable on projects containing DBE goals. Copies of this guide may be btained by calling the DOTD Compliance Programs Section at (225) 379-1382.										
NAME OF CONTRACTOR										
AUTHORIZED SIGNATURE										
TYPED OR PRINTED NAME		;								
TITLE										
CONTRACTOR'S DBE LIAISON OFFICER (typed or printed name)										
PHONE NUMBER										
DATE	AX ID#									

ATTACHMENT TO FORM CS-6AAA

Contractor shall submit a separate attachment for each DBE listed on Form CS-6AAA.

S.P.#			F.A.P.#	
NAME OF DBE				
PHONE #		CONTACT P	ERSON:	
			erials and install, labor only h item to be subcontracted to t	
ITEM NO.	QUANTITY/UNIT PRICE	DESCRIPTION	OF WORK TO BE PERFORMED	S VALUE
, .				
he contractor and sted above. The	DBE subcontractor at contractor acknowledgrms a commercially useful function	test that a ges that it seful functi	will provide to any DBE of subcontract will be execut will only receive credit to on. The DBE understands	ed for the items of work ward the DB goal if the
TYPED OR PRINTED NA	- 10-101-0-1010-1			
HILL				
· · · · · · · · · · · · · · · · · · ·			TAX ID#	
DATE	SIGNATURE		TAX ID#	
DATE PRIME CONTRACTOR'S			TAX ID#	
TITLE DATE PRIME CONTRACTOR'S YPED OR PRINTED NAME TITLE			TAX ID#	

FORM CP-1A LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT CONTRACTOR'S MONTHLY DBE PARTICIPATION

STATE PROJECT NO,	CONTRACTOR:		
FEDERAL AID PROJECT NO.			
ESTIMATE NO.	REPORT PERIOD:	T0	
DOTD CERTIFIED DBE SUBCONTRACTOR OR SUPPLIER	ITEMS PERFORMED AND PAID THIS ESTIMATE PERIOD	AMOUNT PAID THIS MONTH ¹	TOTAL PAID TO DATE ¹
,			

¹For suppliers, list total amount paid and the 60 percent value counted toward the goal.

This report covers the previous estimate period and shall be submitted to the Project Engineer with the current month's pay estimate. Estimates will be withheld until required form is submitted. Questions should be directed to the DOTD Compliance Programs Section at (225) 379-1382.

The Contractor certifies that the above amounts were paid to the listed DBEs and that documentation of these payments is available for inspection.

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Authorized Signature	Typed or Printed Name	116 (17) (1	Phone No.	date in the contraction of the c

FORM CP-2A LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT DBE FINAL REPORT

title i state			
STATE PROJECT NO.	DBE GOAL AMOUNT: \$	CONTRACTOR:	
FEDERAL PROJECT NO.	CONTRACT AMOUNT: \$		
PARISH(ES)	LETTING DATE:		
DOTD CERTIFIED DBE SUBCONTRACTOR OR SUPPLIER	ITEMS PER	ITEMS PERFORMED AND PAID	TOTAL BOLLAR AMOUNT PAID TO SUB OR SUPPLIER (60%)
This is to certify that \$has been paid	paid to Disadvantaged Business Enterprise Subcontractors/Suppliers listed above.	uppliers listed above.	
	Authorized Signature		
	Typed or Printed Name		
	Title		
	Date.		
Parish or County	State of		
Subscribed and sworn to, before me, this	dav of	A D 20	
Notary Public_	Public	1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
My commission expires:			

PROJECT SIGN LA TAX DOLLARS AT WORK (COLOR ARTWORK FURNISHED UPON REQUEST)

Silver Font – TRAFFICAD C



General Decision Number: LA080007 02/08/2008 LA7

Superseded General Decision Number: LA20070011

State: Louisiana

Construction Types: Highway

Counties: Acadia, Ascension, Calcasieu, East Baton Rouge, Lafayette, Lafourche, Livingston, St Landry, St Martin, Terrebonne and West Baton Rouge Counties in Louisiana.

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

Modification Number Publication Date 0 02/08/2008

* SULA2004-015 08/03/2004

	Rates	Fringes
Carpenter (including		
formbuilding/formsetting)\$	17 00	
Cement Mason/Concrete Finisher.\$		
Electrician (including	12.50	
_		
traffic signal wiring and	10.16	
installation)\$		
Ironworker, Reinforcing\$	12.33	
Laborers	0.05	
Asphalt Raker\$	8.95	
General including		
landscape/erosion\$	8.48	
Guardrail\$	8.21	1.80
Jack Hammer/Vibrator\$	8.92	
Mason Tender\$	8.63	
Pipelayer\$	9.71	1.12
Striping/Pavement Marker		
including paint striping		
and attachment of		
reflector buttons\$	7.93	
Traffic Control including		
flagger, sign placement,		
barricades, and cones\$	8.15	
Painter, Brush, Spray and		
Roller\$		2.55
Piledriverman\$	13.97	
Power Equipment Operators		
Air Compressor\$		
Asphalt Distributor\$	9.11	
Asphalt Paving Machine\$		0.18
Asphalt Screed\$		
Asphalt/Aggregate Spreader\$	10.49	
Backhoe/Excavator\$	11.31	
Bobcat/Skid Loader\$	10.00	
Broom/Sweeper\$	9.30	
Bulldozer\$	12.00	
Concrete Saw\$	9.00	
Crane\$		
	T 1	

Front End Loader\$	9.60
Mechanic\$	11.97
Milling/Cold Planing Machine\$	13.08
Motor Grade/Blade\$	11.68
MTV/Shuttlebuggy\$	10.43
Post Drive including	
guardrails\$	10.96
Roller\$	9.97
Stabilizer\$	9.44
Trackhoe\$	12.59
Tractor\$	11.90
Trenching/Boring Machine\$	8.50
Truck drivers	
Dump (all types)\$	10.19
Flatbed\$	9.46
Lowboy\$	12.48
Pickup including paint truck\$	9.90
Tack\$	9.28
Water\$	10.60

'

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 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.

END OF GENERAL DECISION

STATE PROJECT PARISH SHEET 019-02-0051 E. BATON ROUGE 2	TABLE OF CONTENTS	DESCRIPTION	TITLE SHEET	TABLE OF CONTENTS	PROJECT NOTES	COLD PLANING SECTIONS	ROADWAY TYPICAL SECTIONS	RAMP TYPICAL SECTIONS	CROSSOVER TYPICAL SECTION	ACCEL LANE DETAIL (SECTION D-D)	RIGHT TURN LANE DETAIL (SECTION F-F)	PROFILE ADJUSTMENT DETAILS	SPECIAL DETAIL AT RR CROSSING	GENERAL PROJECT PLAN	SURFACING QUANTITIES	DRAINAGE STRUCTURES	MISCELLANEOUS SUMMARIES	SUMMARY OF ESTIMATED QUANTITIES	DRAINAGE PLAN & FORESLOPE REPAIRS	PAVEMENT LAYOUT FOR NB ACCEL LANE	PAVEMENT LAYOUT FOR SB RIGHT TURN LANE	STRIPING LAYOUT FOR NB ACCEL LANE	STRIPING LAYOUT FOR SB RIGHT TURN LANE	DETAIL FOR SHOULDER UNDERDRAINS	SUPERELEVATION REQUIREMENTS	GUARD RAIL PLANS	GUARD RAIL PAVING DETAILS	TURNOUT & PATCHING DETAILS	REPAIR DETAILS FOR JOINTED PCCP	RUMBLE STRIP DETAILS	CONSTRUCTION SIGNING SHEETS	LAB REPORT	
·		SHEET NO.		N	3-8, Ba	9-13	14-21	22-23	24	25	291	27-2944	296-299	30-92	33-41	42-44	45-46	1	1	52 - 53	54	56-56	10	100	27-60	0/100	(0,1	68-69	70-74	15-76	19-84	2012	

NOTES:	S. P. NO. PARISH SHEET
1) ITEM 509-01-A COLD PLANING ASPHALTIC PAVEMENT (2" AVG DEPTH) ITEM 509-01-B COLD PLANING ASPHALTIC PAVEMENT (4" AVG DEPTH) ITEM 509-01-C COLD PLANING ASPHALTIC PAVEMENT (6" AVG DEPTH) ITEM 509-01-D COLD PLANING ASPHALTIC PAVEMENT (7" AVG DEPTH)	
a) TOTAL RECYCLED ASPHALTIC PAVEMENT (RAP) GENERATED ON THIS PROJECT IS 15624 CHIRIC	15621 CHBIC VAPOS VELICITA AS SECTION
_ <u> </u>	O TOTAL VEHICULAR MEASURE;*
PARISH PORTION: EAST BATON ROUGE CITY-PARISH GOVERNMENT DOES NOT PARTICIPATE IN BALD SINGLAD.	NBOLED AS FOLLOWS:
CONTRACTOR PORTION: CONTRACTOR SHALL RETAIN 11716 CUBIC YARDS VEHICL!! AP MEACINES.	KAP SHAKING,
, SCK FR	FASURE OF RAP MATERIAL. AFTER THE ABOVE DISTRIBUTION TO
c) * VEHICULAR MEASURE OF RAP MATERIAL INCLUDES 1.65 SWELL FACTOR.	G.
2) ITEM 509-02 CONTRACTOR RETAINED RECLAIMED ASPHALTIC PAVEMENT	
a) THE QUANTITY FOR THIS PAY ITEM IS [7101] CUBIC YARDS THEORETICAL IN-PLACE VOI HMF**	
b) ** THEORETICAL IN-PLACE VOLUME DOES NOT INCLUDE SWELL FACTOR.	
3) UTILITIES NOTICE (APPLIES TO ALL SHEETS)	
"UTILITIES LOCATIONS SHOWN ON ANY SHEET ARE APPROXIMATE AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. OTHER UTILITIES MAY EXIST IN THE AREA. CONTRACTOR IS REQUIRED TO REACH LOUISIANA ONE CALL IN ACCORDANCE WITH SUBSECTION 105.06 OF THE SPECIFICATIONS. CONTRACTOR SHALL CONTACT CITY, PARISH, AND OTHER LOCAL AUTHORITIES FOR ASSISTANCE IN LOCATING EXISTING UTILITIES PRIOR TO DOING ANY EXCAVATION. CONTRACTOR SHALL CONTACT LADOTD TO LOCATE BURIED TRAFFIC SIGNAL CABLES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF UTILITY LINES. IF NECESSARY, BURIED UTILITY LINES SHALL BE EXPOSED BY THE CONTRACTOR. THE COST OF EXPOSING UTILITY LINES IS INCLUDED IN PAY ITEM 740-01."	PURPOSES ONLY. OTHER UTILITIES WITH SUBSECTION 105.06 OF THE SSISTANCE IN LOCATING EXISTING D TRAFFIC SIGNAL CABLES. IF NECESSARY, BURIED UTILITY PAY ITEM 740-01."
4) ILLUMINATION OF NIGHT WORK:	
WHEN NIGHT TIME WORK IS BEING PERFORMED, FLOODLIGHTS SHOULD BE USED TO ILLUMINATE THE WORK AREA. FLOODLIGHTS SHOULD NOT PRODUCE A DISABLING GLARE CONDITION FOR APPROACHING USERS.	PROJECT NOTES
	SHEET 1 OF 7

NOTES:

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WORK HOURS AND ALLOWED LANE CLOSURES SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

PARISH E B R

S. P. NO. 019-02-005

- A LANE RENTAL FEE WILL BE ASSESSED FOR VIOLATIONS OF LANE CLOSURE AND/OR WORK HOUR RESTRICTIONS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. ô
- ALL CLOSURE LENGTHS, LOCATIONS, AND DURATIONS SHALL BE AS APPROVED BY THE PROJECT ENGINEER. ច
 - ADDITIONAL WORK PERIODS MAY BE ALLOWED AT THE DISCRETION OF THE PROJECT ENGINEER. চ

6) DYNAMIC MESSAGE SIGNING:

DYNAMIC MESSAGE SIGNING SHALL BE USED TO ADVISE MOTORISTS OF THE POSSIBILITY OF REDUCED SPEEDS, CONGESTION, SUDDEN STOPS, DELAYS, OR OTHER TRAFFIC CONDITIONS WHICH MAY BE EXPECTED TO OCCUR IN ADVANCE OF, WITHIN, OR BEYOND THE PROJECT LIMITS DUE TO CONSTRUCTION ACTIVITIES. DYNAMIC MESSAGE SIGNS SHALL BE LOCATED AND PROGRAMMED AS DIRECTED BY THE PROJECT ENGINEER.

7) ROADWAY PROFILE ADJUSTMENT

- THE PROFILE GRADES AND ELEVATIONS OF THE TRAVEL LANES SHALL BE ADJUSTED SO THAT THE FINISHED ELEVATION OF THE REQUIRED SUPERPAVE ASPHALTIC CONCRETE WEARING COURSE SHALL MATCH THE EXISTING ROADWAY SURFACE AT RR GRADE CROSSINGS, AT BRIDGES, AND AT DESIGNATED SECTIONS OF PCC PAVEMENT TO REMAIN, AS SHOWN ON THE GENERAL PROJECT PLAN. a
 - AT THE LOCATIONS GIVEN ON ROADWAY TYPICAL SECTION "C", THE ROADWAY PROFILE SHALL BE ADJUSTED BY PAVEMENT & BASE REMOVAL, AS SHOWN ON ROADWAY TYPICAL "C" AND ON THE "PROFILE ADJUSTMENT DETAILS" SHEETS. SEE PROJECT NOTE 8 FOR ADDITIONAL INFORMATION, 仚
- AT THE LOCATIONS GIVEN ON COLD PLANING TYPICAL SECTION "CP5", THE ROADWAY PROFILE SHALL BE ADJUSTED BY COLD PLANING, AS SHOWN ON COLD PLANING TYPICAL SECTION "CP5", THE "PROFILE ADJUSTMENT DETAILS", AND THE "SPECIAL DETAIL RRX" SHEETS. SEE PROJECT NOTE 9 FOR ADDITIONAL INFORMATION. ច
- AT THE LOCATIONS GIVEN ON ROADWAY TYPICAL SECTION "BBB", THE ROADWAY PROFILE SHALL BE ADJUSTED BY VARYING THE BINDER COURSE THICKNESS, AS SHOWN ON TYPICAL SECTION "BBB", THE "PROFILE ADJUSTMENT DETAILS", AND THE "SPECIAL ত

SEE PROJECT NOTE 10 FOR ADDITIONAL INFORMATION

PROJECT NOTES

SHEET 2 OF 7

OTES (CONTINUED):	PARISH	SHEE
	019-02-0051 EBR	7
ITEM 202-02-1 REMOVAL OF STABILIZED BASE (6" THICK) ITEM 203-01 GENERAL EXCAVATION)
ITEM 3-02-02-6 CLASS II BASE COURSE (20" THICK) ITEM S-004 SAW CUTTING OF PORTLAND CEMENT CONCRETE PAVEMENT (10" DEEP)		
a) THESE ITEMS TO BE USED WHERE PROFILE IS ADJUSTED BY PAVEMENT & BASE REMOVAL. SEE ROADWAY TYPICAL SECTION "C"	TYPICAL SECTION "C"	
 b) REMOVAL OF PAVEMENT AND BASE SHALL PROCEED IN ONE LANE ONLY AT ANY GIVEN TIME. REQUIRED CLASS II BASE AND REQUIRED BINDER COURSE SHALL BE COMPLETED BEFORE OPENING LANE TO TRAFFIC. 	LASS II BASE AND	
c) PRIOR TO REMOVAL, SAW CUT EXISTING PCC PAVEMENT 10" DEEP ALONG LONGITUDINAL JOINT BETWEEN TRAVEL LANE & TRAVEL LANE, AND BETWEEN TRAVEL LANE & SHOULDER, FOR FULL LENGTH OF SECTION TO BE REMOVED.	TRAVEL LANE & TRAVEL	
d) PRIOR TO REMOVAL, SAW CUT EXISTING PCCP PAVEMENT 10" DEEP ACROSS FULL WIDTH OF LANE TO BE REMOVED, AT STARTING STATIONS AND AT ENDING STATIONS OF REMOVAL GIVEN ON ROADWAY TYPICAL SECTION "C".	REMOVED, AT STARTING	
e) REQUIRED SAW CUTTING TO BE PAID UNDER ITEM S-004 SAW CUTTING OF PORTLAND CEMENT CONCRETE PAVEMENT (10" DEEP). PROJECT ENGINEER MAY WAIVE ALL OR PART OF REQUIRED SAW CUTTING AT HIS SOLE DISCRETION	PAVEMENT (10" DEEP).	
f) ONLY METHODS APPROVED BY THE PROJECT ENGINEER SHALL BE USED TO REMOVE PAVEMENT AND BASE. CONTRACTOR SHALL OBTAIN APPROVAL FROM THE PROJECT ENGINEER FOR PROPOSED REMOVAL METHODS PRIOR TO STARTING REMOVAL	E. CONTRACTOR SHALL	
g) THE PROJECT ENGINEER MAY DIRECT THAT ADDITIONAL THICKNESS OF CLASS II BASE, IN EXCESS OF PLAN THICKNESS, BE PLACED TO ADJUST THE ROADWAY PROFILE SLOPE.	THICKNESS,	
h) WHEN THE ENGINEER ORDERS ADDITIONAL THICKNESS OF CLASS II BASE IN EXCESS OF PLAN THICKNESS, PAYMENT FOR THE ADDITIONAL THICKNESS WILL BE MADE BY DIVIDING THE CONTRACT UNIT PRICE PER SQUARE YARD FOR ITEM 302-02-G BY 20". PAYMENT FOR THE ADDITIONAL THICKNESS WILL BE MADE AT 100 PERCENT OF THE VALUE PER INCH THUS DETTERMINED.	, PAYMENT FOR THE TEM 302-02-G BY 20". S DETERMINED	
i) A CLASS D GEOTEXTILE SEPARATOR FABRIC SHALL BE USED BENEATH THE CLASS II BASE COURSE IN ACCORDANCE WITH SPECIFICATIONS SECTION 302. FABRIC IS INCLUDED IN BASE COURSE ITEM AND WILL NOT BE MFASI IRED FOR DAYMENT	ORDANCE WITH	
 ITEM 302-02-G CLASS II BASE COURSE (20" THICK) SHALL BE STONE OR RECYCLED PORTLAND CEMENT CONCRETE ONLY. 	NORETH ONLY	
ITEM 509-01-D COLD PLANING ASPHALTIC PAVEMENT (7" AVG DEPTH)	ייייי ב סובד.	
a) THIS ITEM TO BE USED WHERE PROFILE IS ADJUSTED BY COLD PLANING. SEE COLD PLANING TYPICAL SECTION "CP5".		
b) COLD PLANING UNDER ITEM 509-01-D SHALL PROCEED IN ONE LANE ONLY AT ANY GIVEN TIME	PROJECT NOTES	
	SHEET 3 OF 17	^

SHEET

NOTES (CONTINUED):

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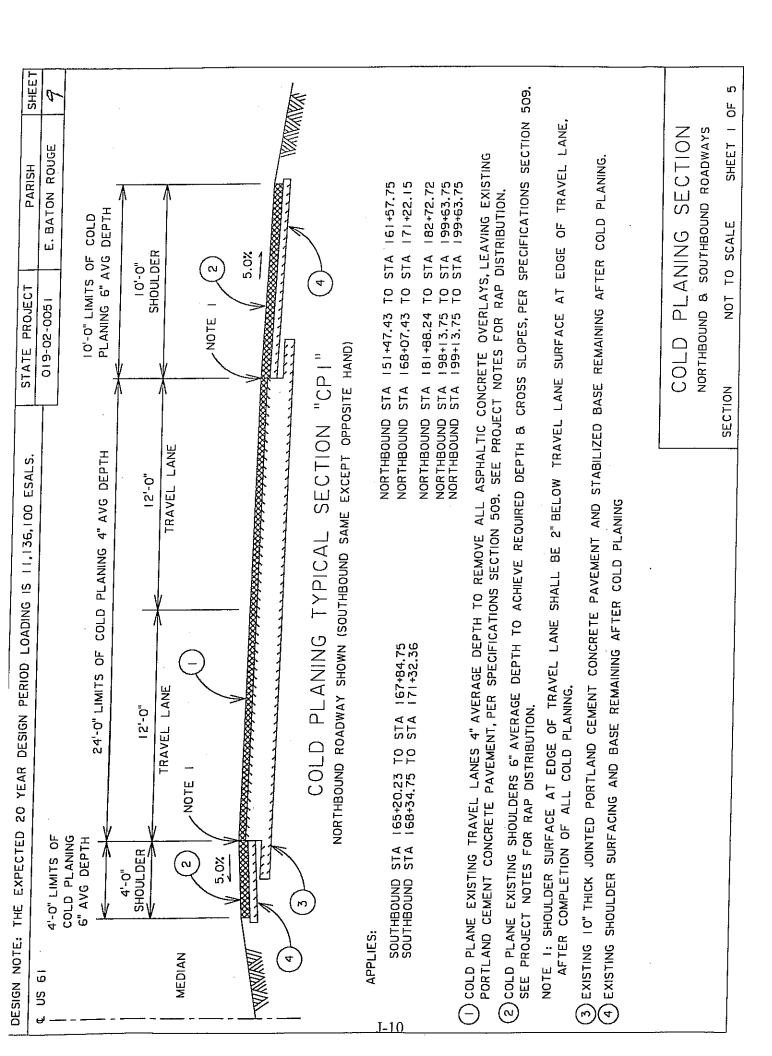
NOTES (CONTINUED);
10) ITEM 502-01 SUPERPAYE ASPHALTIC CONCRETE
THIS ITEM TO BE USED WHERE PROFILE IS ADJUSTED BY VARYING THICKNESS OF BINDER COURSE. SEE ROADWAY TYPICAL SECTION "BBB".
11) ITEM 703-01 SHOULDER UNDERDRAIN SYSTEMS ITEM 703-02 SHOULDER OUTLET UNDERDRAINS ITEM 734-01 RUBBLIZING PORTLAND CEMENT CONCRETE PAVEMENT
a) SHOULDER UNDERDRAINS SHALL BE COMPLETED PRIOR TO RUBBLIZING.
b) REQUIRED ASPHALTIC CONCRETE CAP OVER SHOULDER UNDERDRAIN SHALL BE SUPERPAVE ASPHALTIC CONCRETE
c) REQUIRED ASPHALTIC CONCRETE CAP OVER SHOULDER UNDERDRAIN SHALL BE 5" THICK AT ALL LOCATIONS. SEE DETAIL FOR SHOULDER UNDERDDRAIN.
d) WITHIN THE PLAN LIMITS OF RAILROAD CROSSING SPECIAL DETAIL "RRX", NO UNDERDRAIN WORK WILL BE DONE.
e) WITHIN THE PLAN LIMITS OF RAILROAD CROSSING SPECIAL DETAIL "RRX", NO RUBBLIZING WILL BE DONE.
12) ITEM 303-02 REMOVAL OF EXISTING PATCHES ITEM S-007 PAVEMENT & BASE REPAIR AT RUBBLIZED PAVEMENT (20" THICK)
a) ITEM 303-02 TO BE USED TO REMOVE EXISTING ASPHALTIC CONCRETE PATCHES IN PCC PAVEMENT TO BE RUBBLIZED.
b) AFTER REMOVAL OF THE PATCH, THE EXCAVATION SHALL BE REPAIRED UNDER ITEM S-007.
13) ITEM 706-01-A CONCRETE WALK (4" THICK)
a) THIS ITEM TO BE USED TO CONSTRUCT HANDICAPPED RAMPS AND TO REPAIR EXISTING SIDEWALKS.
b) THE PROJECT ENGINEER WILL DETERMINE LOCATIONS OF REQUIRED HANDICAP RAMPS AND LOCATIONS OF SIDEWALKS TO BE REPAIRED
c) REMOVAL OF EXISTING SIDEWALKS WILL BE MEASURED AND PAID UNDER ITEM 202-02-D.
14) ITEM 707-01-A CONCRETE CURB (MOUNTABLE) ITEM 707-01-B CONCRETE CURB (6" BARRIER)
THESE ITEMS TO BE USED TO CONSTRUCT HANDICAPPED RAMPS AND TO REPLACE DAMAGED OR MISSING CURB AS DIRECTED BY PROJECT ENGINEER.
SHEET 4 OF ?

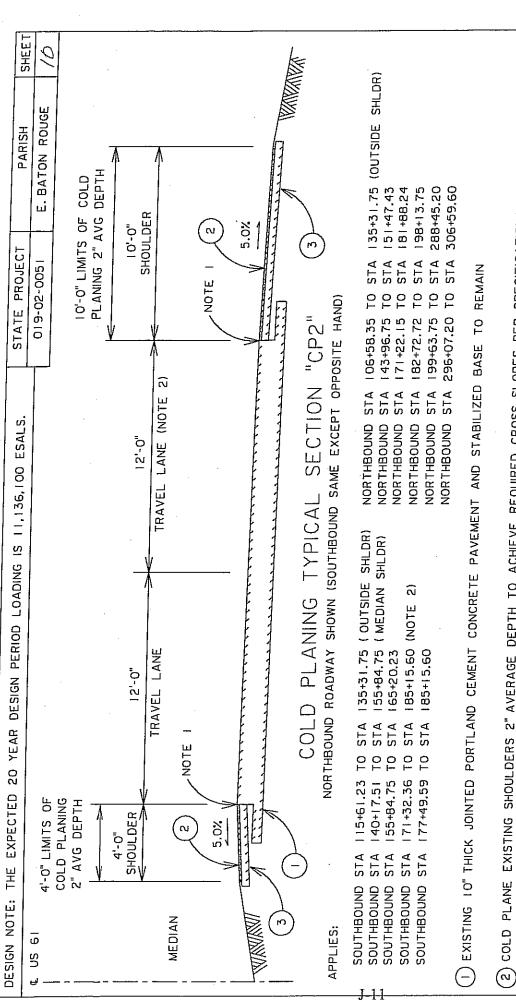
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NOTES (CONTINUED): S. P. NO. PARISH SHEET 019-02-0051 E B D	
16) ITEM 729-16-B OBJECT MARKER ASSEMBLY (TYPE 2) ITEM 729-16-C OBJECT MARKER ASSEMBLY (TYPE 3) THESE ITEMS TO BE USED TO REPLACE DAMAGED OR MISSING MARKERS AS DIRECTED BY THE PROJECT ENGINEER, AND FOR USE AT GUARD RAIL INSTALLATIONS AS SHOWN ON THE PLANS.	
17) ITEM 736-01 TRENCHING AND BACKFILLING ITEM 736-02 CONDUIT WITH CONDUCTORS (1" PEC SCHEDULE 80, W/ 2 - #14 AWG CONDUCTORS) ITEM 736-09 LOOP DETECTOR ITEM 736-10 UNDERGROUND JUNCTION BOX ITEM 736-12-A CONDUCTOR, 2C (LOOP LEAD-IN, #14 AWG) THESE ITEMS TO BE USED TO REPLACE DAMAGED OR MISSING LOOP DETECTORS AS DIRECTED BY THE PROJECT ENGINEER.	-
18) ITEM S-007 PAVEMENT & BASE REPAIR AT RUBBLIZED PAVEMENT (20" THICK) a) THIS ITEM TO BE USED TO REPAIR SMALL ISOLATED AREAS OF FAILED BASE BENEATH THE RUBBLIZED CONCRETE. b) THIS ITEM MAY ALSO BE USED TO REPAIR EXCAVATIONS WHERE ASPHALTIC CONCRETE PATCHES HAVE BEEN REMOVED FROM AREAS TO BE RUBBLIZED.	
c) ONLY THOSE LOCATIONS APPROVED BY THE PROJECT ENGINEER SHALL BE REPAIRED UNDER THIS ITEM.	
PROJECT NOTES SHEET 5 OF 7	

NOTES (CONTINUED): 19) ITEM 302-02-B CLASS II BASE COURSE (6" THICK)	S. P. NO. PARISH SHEET 019-02-0051 E.B.R. \(\arrangle{\beta} \)
ILEM 302-02-G CLASS II BASE COURSE (20" THICK) a) A CLASS D GEOTEXTILE SEPARATOR FABRIC SHALL BE USED BENEATH CLASS II BASE COURSE IN ACCORDANCE WITH SPECIFICATIONS SECTION 302. FABRIC IS INCLUDED IN BASE COURSE ITEM AND WILL NOT BE MEASURED FOR SECTION 304.	SIFICATIONS
b) ITEM 302-02-B CLASS II BASE COURSE (6" THICK) SHALL BE STONE OR RECYCLED PORT! AND CEMENT CONCINT OF THE	
c) ITEM 302-02-G CLASS II BASE COURSE (20" THICK) SHALL BE STONE OR RECYCLED PORTLAND CEMENT CONCERTE ONLY.	
20) ITEM 203-02 DRAINAGE EXCAVATION ITEM S-003 CLEANING EXISTING DITCHES	
THESE ITEMS TO BE USED TO IMPROVE DRAINAGE AT REQUIRED SHOULDER OUTLET UNDERDRAINS AS DIRECTED BY PROJECT ENGINEER, AND AT LOCATIONS SHOWN ON THE PLANS.	F ENGINEER,
21) RAILROAD GRADE CROSSINGS NOTICE (APPLIES TO ALL SHEETS)	
a) NO EXCAVATION SHALL BE DONE WITHIN 11'-6" EITHER SIDE OF THE TRACK CENTERLINE AT ANY RAILROAD TRACK WITHIN THE PROJECT LIMITS.	¥
b) TRAVEL LANES AND SHOULDERS ADJACENT TO RAILROAD GRADE CROSSINGS SHALL BE COLD PLANED ONLY, AND OVERLAYED AS SHOWN ON SPECIAL DETAIL "RRX".	YED AS
c) WITHIN THE PLAN LIMITS OF SPECIAL DETAIL "RRX", MAXIMUM ALLOWABLE COLD PLANING DEPTH SHALL BE 6" BELOW THE TOP SURFACE OF THE EXISTING RAILROAD CROSSING PADS.	
d) WITHIN THE PLAN LIMITS OF SPECIAL DETAIL "RRX", NO BASE COURSE WORK WILL BE DONE.	
e) WITHIN THE PLAN LIMITS OF SPECIAL DETAIL "RRX", NO UNDERDRAIN WORK WILL BE DONE.	
f) WITHIN THE PLAN LIMITS OF SPECIAL DETAIL "RRX", NO RUBBLIZING WILL BE DONE.	
g) WITHIN THE PLAN LIMITS OF SPECIAL DETAIL "RRX", NO PAVEMENT REMOVAL WILL BE DONE,	
h) CONTRACTOR MAY CONTACT THE FOLLOWING PERSONS REGARDING WORK WITHIN OR ADJACENT TO RAILROAD PROPERTY: KANSAS CITY SOUTHERN RAILWAY: JOHN MATLOCK (225-268-1022) ILLINOIS CENTRAL RAILROAD / CANADIAN NORTHERN: JOHN DINNING (804-502-1048)	;;
i) CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE PROVISIONS OF THE 2006 LOUISIANA DOTD STANDARD	PROJECT NOTES
STECTIONS FOR KOADS AND BRIDGES, SUBSECTION 107.08, RAILWAY-HIGHWAY PROVISIONS.	SHEET 6 OF $?$

NOTES (CONTINUED):	1
22) SUGGESTED SEQUENCE OF CONSTRUCTION	019-02-0051 EBR
a) IT IS RECOMMENDED THAT WORK ON THE INSIDE (MEDIAN) LANES BE DONE FIRST. AS FOLLOWS:	
1. CONSTRUCT THE INSIDE NORTHBOUND LANE FROM NB STA 137+96.75 TO STA 294+45.20. OMITTING MEARING COURSE	II O
2. CONSTRUCT THE INSIDE SOUTHBOUND LANE FROM SB STA 155+84.75 TO STA 294+45.20. OMITTING WEARING COLIDSE.	υ u
3. SHOULDERS, CROSSOVERS, TURN LANES, DRAINAGE, AND RELATED WORK SHOULD BE PERFORMED AT SAME TIME AS AD INCLUSIONAL	
4. PLACE WEARING COURSE ON INSIDE LANES, CROSSOVERS, AND TURN LANES.	AS ADJACENI LANE.
b) IT IS RECOMMENDED THAT WORK ON THE OUTSIDE LANES BE DONE NEXT, AS FOLLOWS:	
1. CONSTRUCT THE OUTSIDE NORTHBOUND LANE FROM NB STA 137+96.75 TO STA 294+45.20 OMITTING WEADING COURSE	L 0
2. CONSTRUCT THE OUTSIDE SOUTHBOUND LANE FROM SB STA 155+84,75 TO STA 294+45.20. CONSTRUCT THE OUTSIDE SOUTHBOUND LANE FROM SB STA 155+84,75 TO STA 294+45.20. CONTINES WES DING COLLEGE.	יין היים היים היים היים היים היים היים ה
3. SHOULDERS, CROSSOVERS, TURN LANES, DRAINAGE, AND RELATED WORK SHOULD BE PERFORMED AT SAME TIME AS AD LACTOR.	SASE.
4. PLACE WEARING COURSE ON OUTSIDE LANES, TURNOUTS, AND TURN LANES.	- AS ADSACEINI LAINE,
G) PATCH & SEAL NORTHBOUND LANES FROM STA 101+56.75 TO 137+96.75, AND SOUTHBOUND LANES FROM STA 101+56.75 TO STA 155+84.75.	75 TO STA 155+84,75.
d) CONSTRUCT RAMPS "RA", "RB", AND "RC"	
e) PLACE PERMANENT STRIPING AND MARKINGS THROUGHOUT PROJECT.	
23) NOTE FOR SUGGESTED CONSTRUCTION SEQUENCE:	
a) TEMPORARY STRIPING SHALL BE PLACED AT THE APPROPRIATE TIME AS REQUIRED FOR EACH ITEM.	
b) APPROPRIATE SIGNING AND DELINEATION SHALL BE UTILIZED AT LANE EDGE DROPOFFS, PER DEPARTMENTAL STANDARDS	ARDS
c) WHEN A LANE UNDER CONSTRUCTION IS OPEN TO TRAFFIC, CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY ASPHALTIC CONCRETE INVESTIGATIONS OF THE PROVIDE AND MAINTAIN	
LANE AT ABRUPT CHANGES IN PAVEMENT SURFACE ELEVATION, SUCH AS WHERE BINDER COURSE ON RUBBLIZED PCCP JOINS EXISTING PAVEMENT TO REMAIN. I OCATION AND SIZE OF "MAEDICES" SHALL AS	PROJECT NOTES
DIRECTED BY PROJECT ENGINEER. ALL COSTS OF WEDGES TO BE INCLUDED IN ITEM 502-01-A.	SHEET 7 OF 7





COLD PLANE EXISTING SHOULDERS 2" AVERAGE DEPTH TO ACHIEVE REQUIRED CROSS SLOPES, PER SPECIFICATIONS SECTION 509. SEE PROJECT NOTES FOR RAP DISTRIBUTION.

TRAVEL LANE, NOTE I: SHOULDER SURFACE AT EDGE OF TRAVEL LANE SHALL BE 2" BELOW TRAYEL LANE SURFACE AT EDGE OF AFTER COMPLETION OF ALL COLD PLANING.

ACHIEVE REQUIRED CROSS SLOPES AS SHOWN ON THIS TYPICAL SECTION. ALSO, COLD PLANE OUTSIDE TRAVEL LANE 4" AVERAGE DEPTH TO REMOVE ALL ASPHALTIC CONCRETE OVERLAY, LEAVING EXISTING PORTLAND CEMENT CONCRETE PAVEMENT. NOTE 2: FROM SOUTHBOUND STA 175+23.08 TO SOUTHBOUND STA 177+44.84, COLD PLANE EXISTING SHOULDERS 2" AVERAGE DEPTH TO

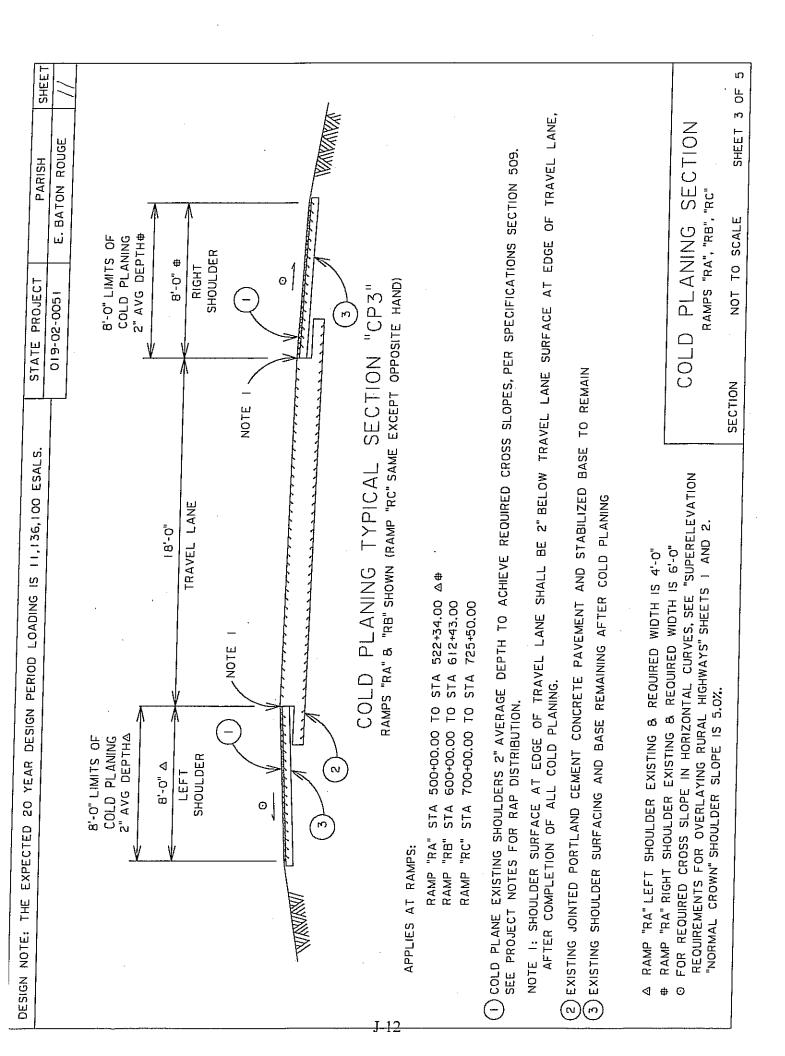
EXISTING SHOULDER SURFACING AND BASE REMAINING AFTER COLD PLANING (m)

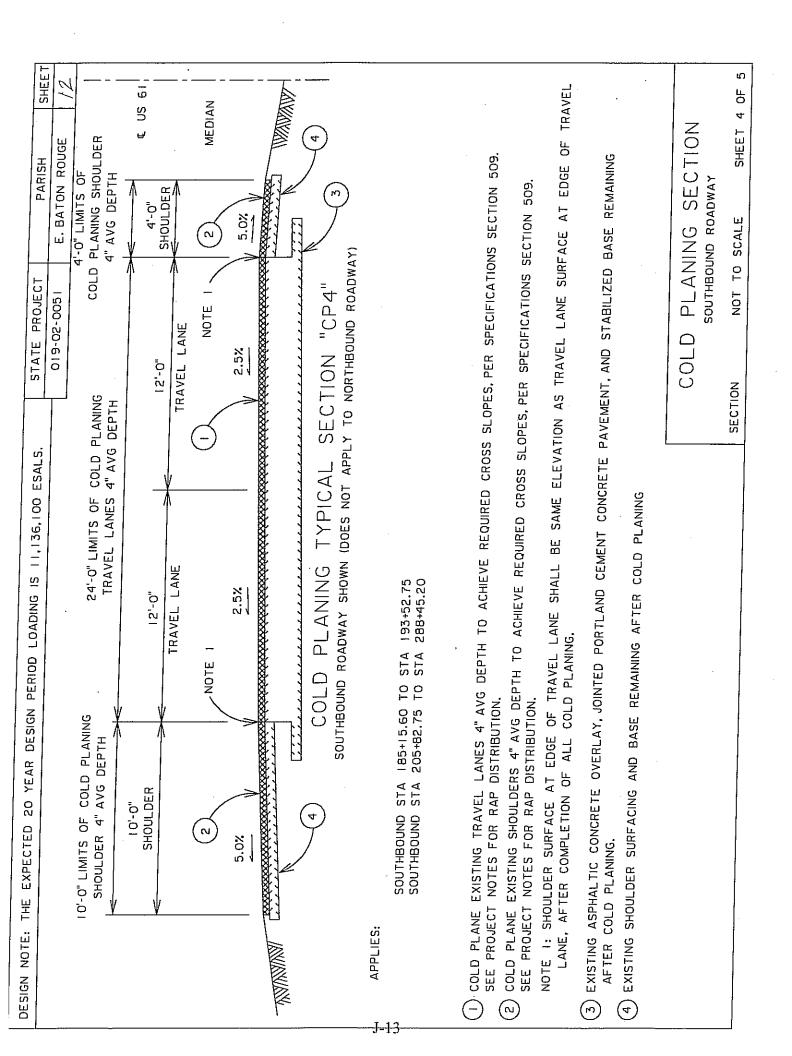
SECTION NORTHBOUND & SOUTHBOUND ROADWAYS PLANING COLD

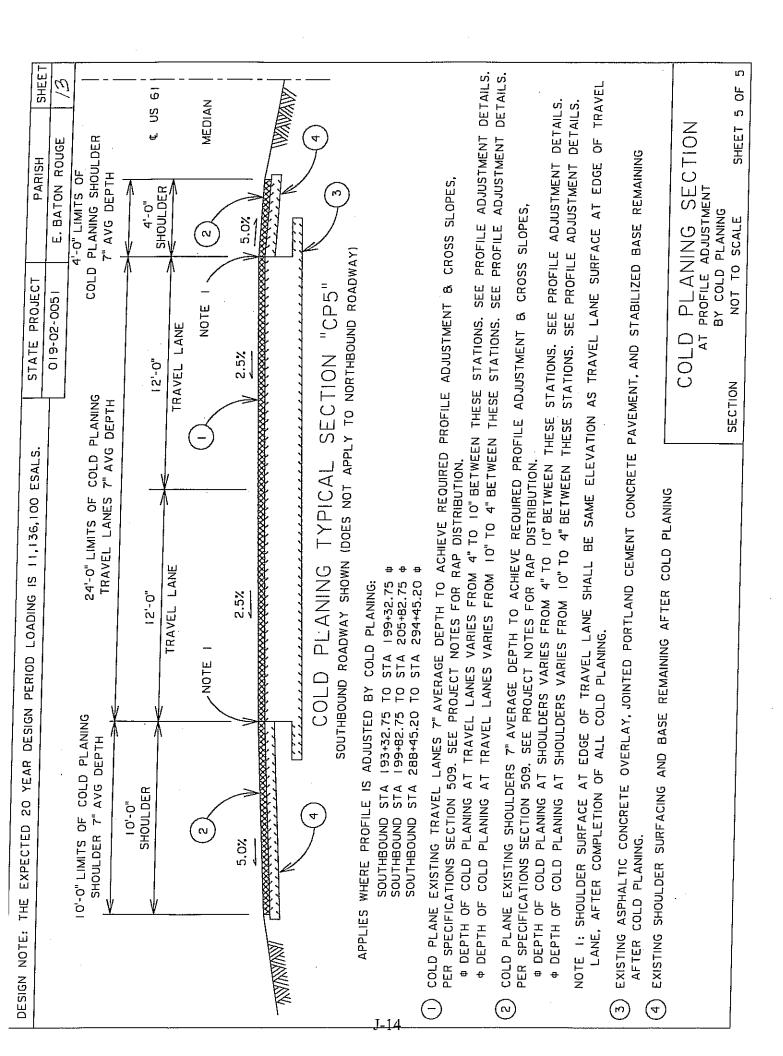
SECTION

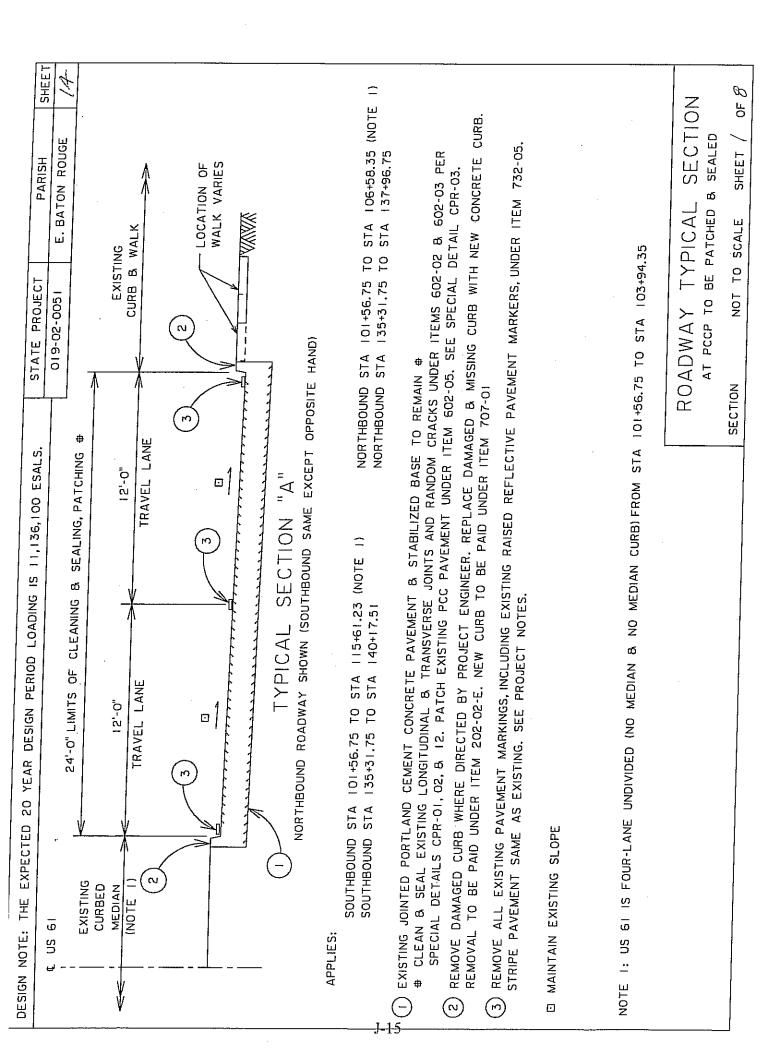
NOT TO SCALE

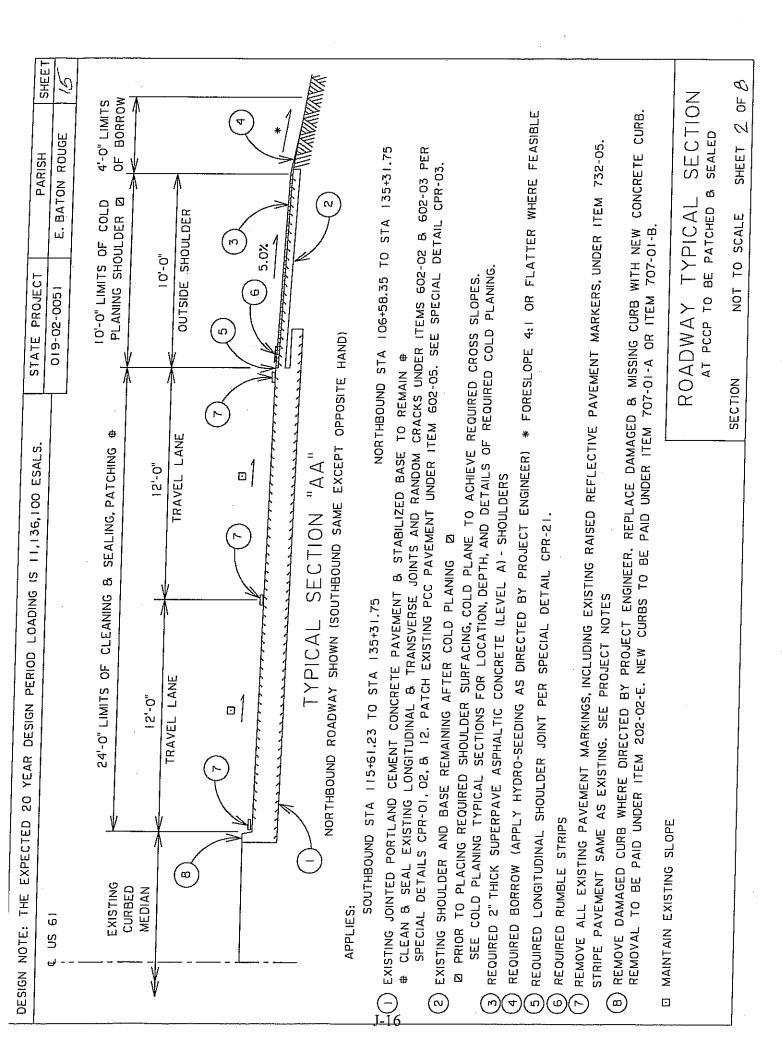
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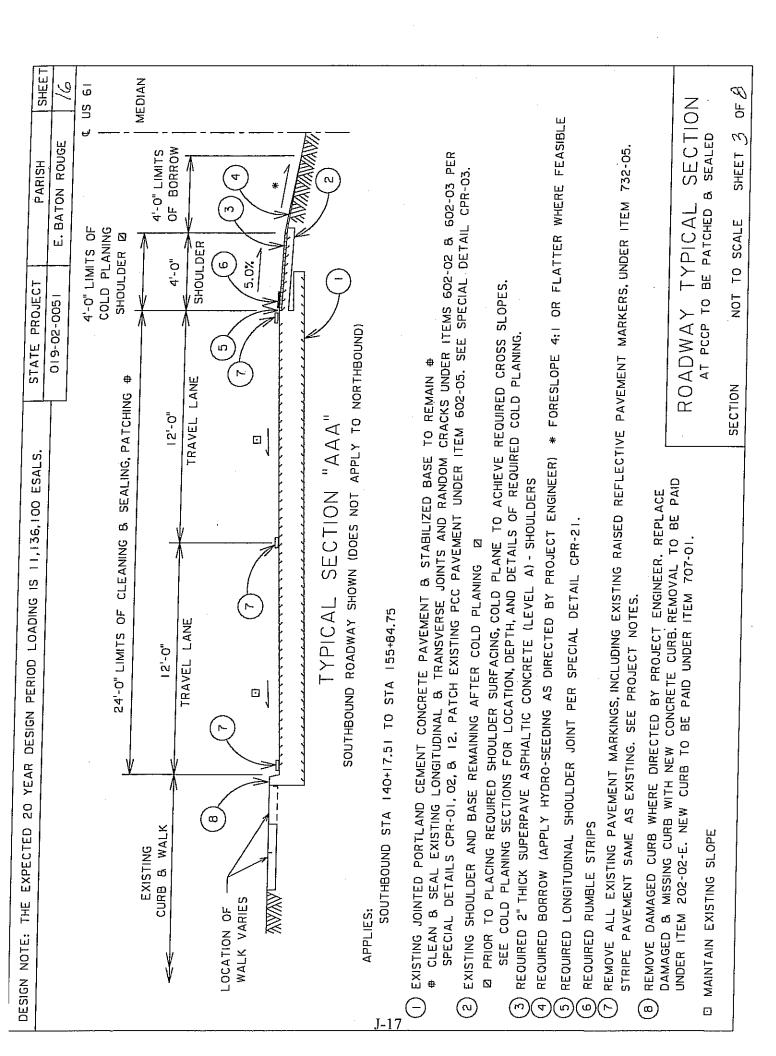


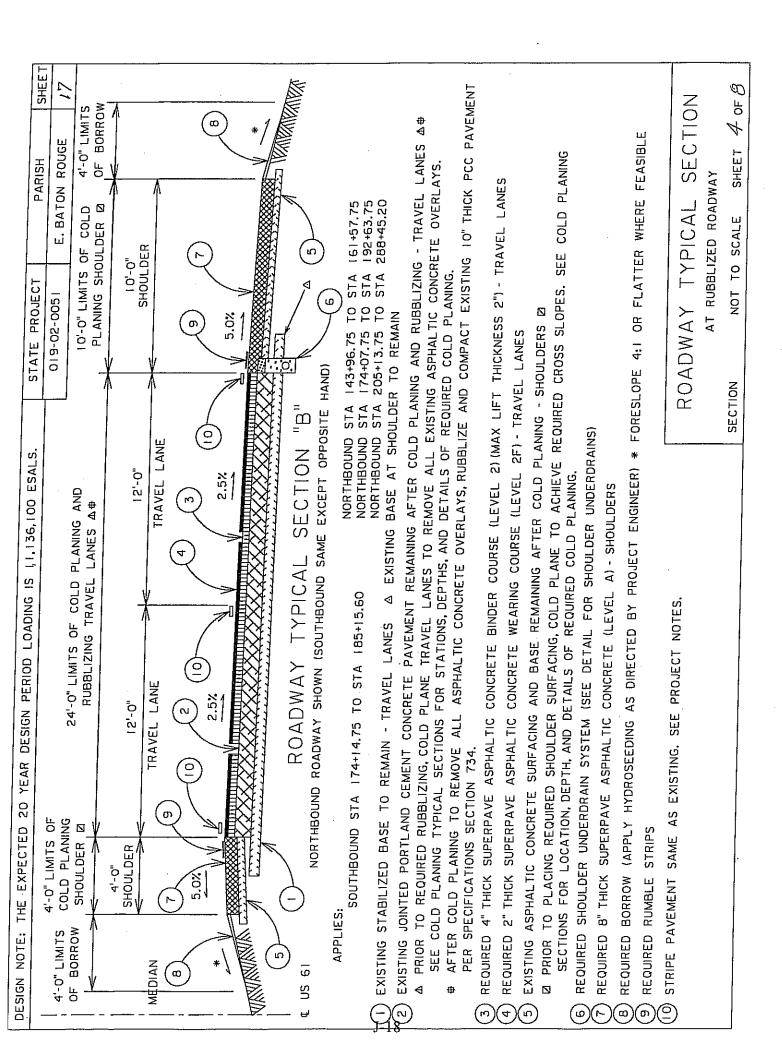


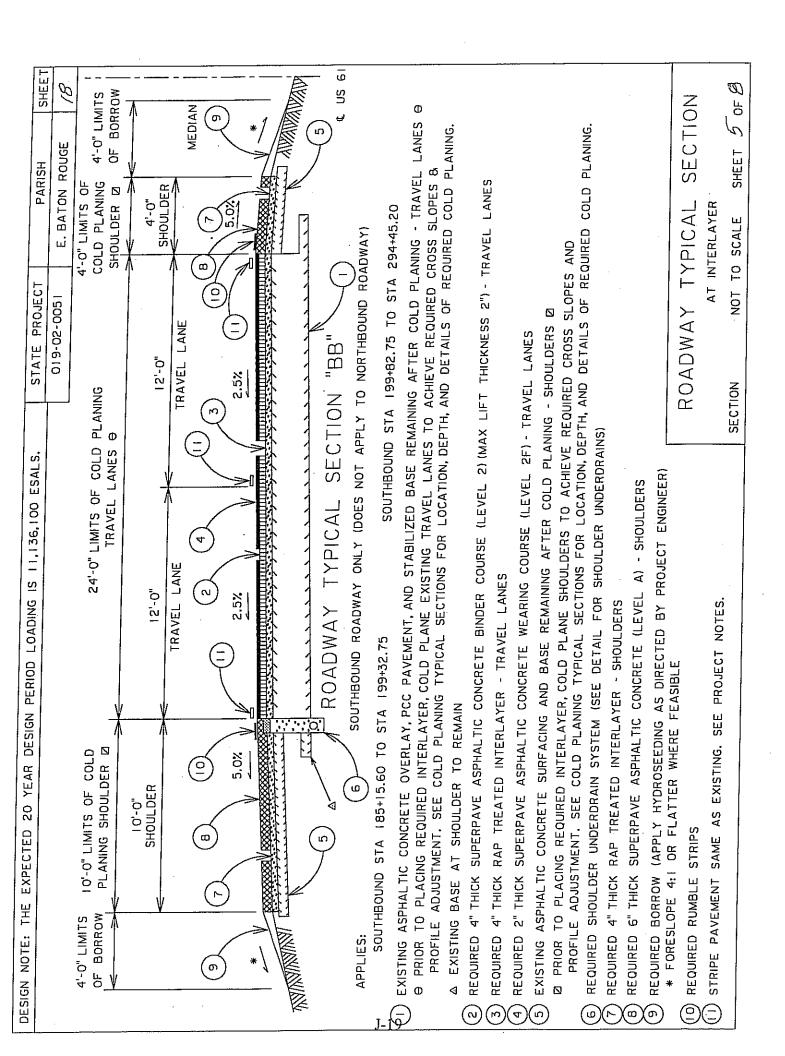


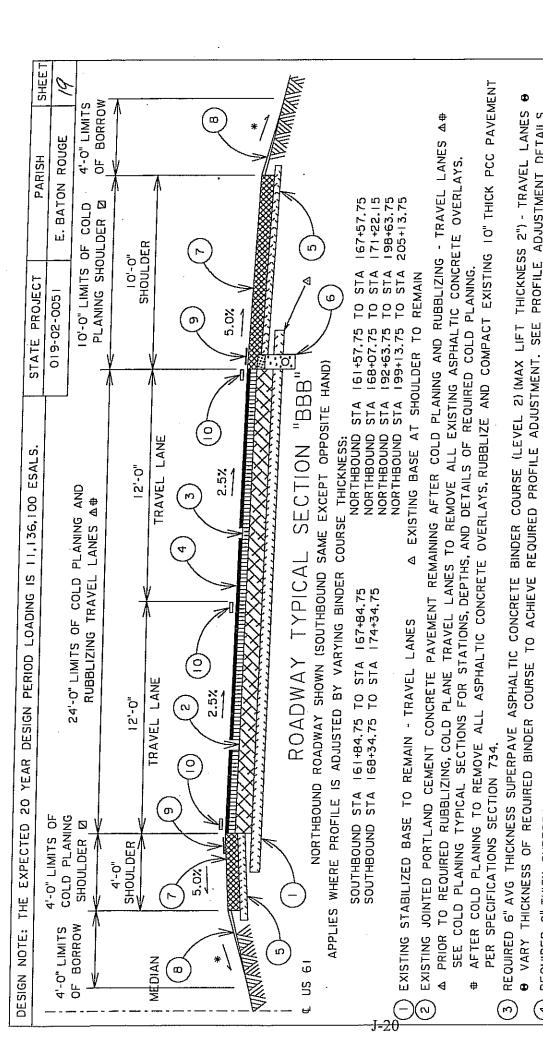












SECTION TYPICAL ROADWAY

Φ

REQUIRED 10" AVG THICKNESS SUPERPAVE ASPHALTIC CONCRETE (LEVEL A) - SHOULDERS REQUIRED SHOULDER UNDERDRAIN SYSTEM (SEE DETAIL FOR SHOULDER UNDERDRAINS)

REQUIRED BORROW (APPLY HYDROSEEDING AS DIRECTED BY PROJECT ENGINEER)

* FORESLOPE 4:1 OR FLATTER WHERE FEASIBLE

REQUIRED RUMBLE STRIPS

<u>_</u>

8

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PROFILE ADJUSTMENT DETAILS.

SEE COLD PLANING

PRIOR TO PLACING REQUIRED SHOULDER SURFACING, COLD PLANE TO ACHIEVE REQUIRED CROSS SLOPES.

SECTIONS FOR LOCATION, DEPTH, AND DETAILS OF REQUIRED COLD PLANING.

EXISTING ASPHALTIC CONCRETE SURFACING AND BASE REMAINING AFTER COLD PLANING - SHOULDERS 🗷

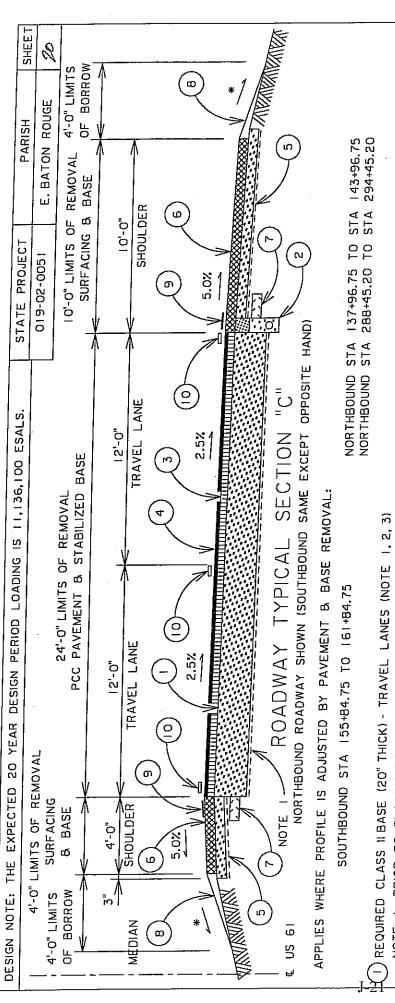
(b)

4

REQUIRED 2" THICK SUPERPAVE ASPHALTIC CONCRETE WEARING COURSE (LEVEL 2F) - TRAVEL LANES

Œ 9 BY VARYING BINDER COURSE THICKNESS AT PROFILE ADJUSTMENT

> AS EXISTING, SEE PROJECT NOTES. SAME STRIPE PAVEMENT



NOTE 1: PRIOR TO PLACING REQUIRED TRAVEL LANE BASE, REMOVE EXISTING 10" THICK JOINTED PORTLAND CEMENT CONCRETE PAVEMENT BASE REMOVAL) AND EXISTING 6" THICK STABILIZED BASE FOR FULL WIDTH OF TRAVEL LANES. EXCAVATE SUBGRADE TO ESTABLISH REQUIRED TRAVEL LANE PROFILE ADJUSTMENT. (FOR ADDITIONAL INFORMATION SEE PROFILE ADJUSTMENT BY PAVEMENT B. NOTE 2: CLASS II BASE COURSE SHALL BE STONE OR RECYCLED PORTLAND CEMENT CONCRETE ONLY.

NOTE 3: REQD BASE INCLUDES REQUIRED CLASS D GEOTEXTILE SEPARATOR FABRIC PER SPECIFICATIONS SUBSECTIONS 302.04 B REQUIRED SHOULDER UNDERDRAIN SYSTEM (SEE DETAIL FOR SHOULDER UNDERDRAINS)

REQUIRED 4" THICK SUPERPAVE ASPHALTIC CONCRETE BINDER COURSE (LEVEL 2) (MAX LIFT THICKNESS 2") - TRAVEL LANES W

REQUIRED 2" THICK SUPERPAVE ASPHALTIC CONCRETE WEARING COURSE (LEVEL 2F) - TRAVEL LANES 4

(5) REQUIRED CLASS II BASE (6" THICK) - SHOULDERS (NOTE 2, 3, 4)

PLACING REQUIRED SHOULDER BASE, REMOVE EXISTING 10" (APPROX) THICK ASPHALTIC CONCRETE SHOULDER SURFACING NOTE 4: PRIOR TO AND BASE.

REQUIRED 6" THICK SUPERPAVE ASPHALTIC CONCRETE (LEVEL A) - SHOULDERS (w

EXISTING BASE AT SHOULDER (TO REMAIN)

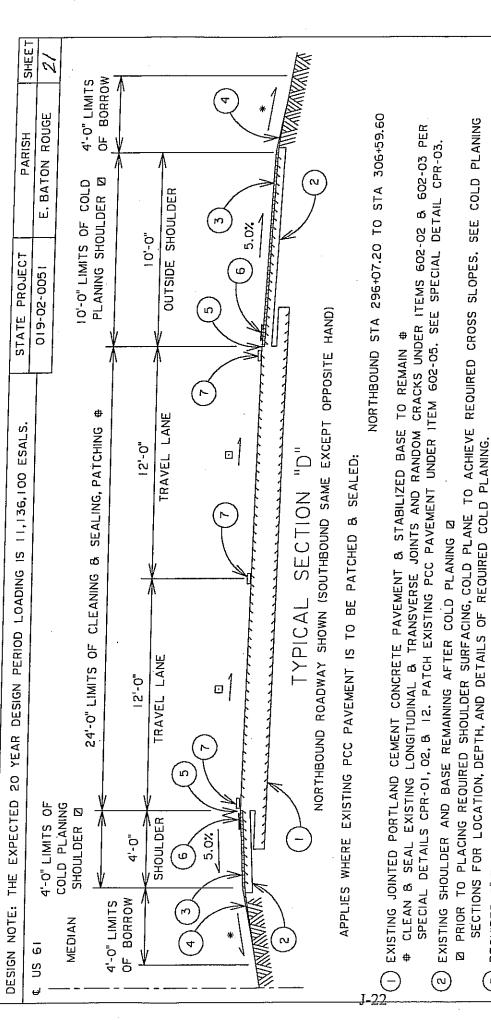
REQUIRED BORROW (APPLY HYDROSEEDING AS DIRECTED BY PROJECT ENGINEER)
* FORESLOPE 4:1 OR FLATTER WHERE FEASIBLE (B)

REQUIRED RUMBLE STRIPS

(D)

) STRIPE PAVEMENT SAME AS EXISTING.

ROADWAY TYPICAL SECTION
AT PROFILE ADJUSTMENT
BY PAVEMENT & BASE REMOVAL
SECTION NOT TO SCALE SHEET POF 8



* FORESLOPE 4:1 OR FLATTER WHERE FEASIBLE REMOVE ALL EXISTING PAVEMENT MARKINGS, INCLUDING EXISTING RAISED REFLECTIVE PAVEMENT MARKERS, UNDER ITEM 732-05.

REQUIRED BORROW (APPLY HYDRO-SEEDING AS DIRECTED BY PROJECT ENGINEER)

REQUIRED LONGITUDINAL SHOULDER JOINT PER SPECIAL DETAIL CPR-21

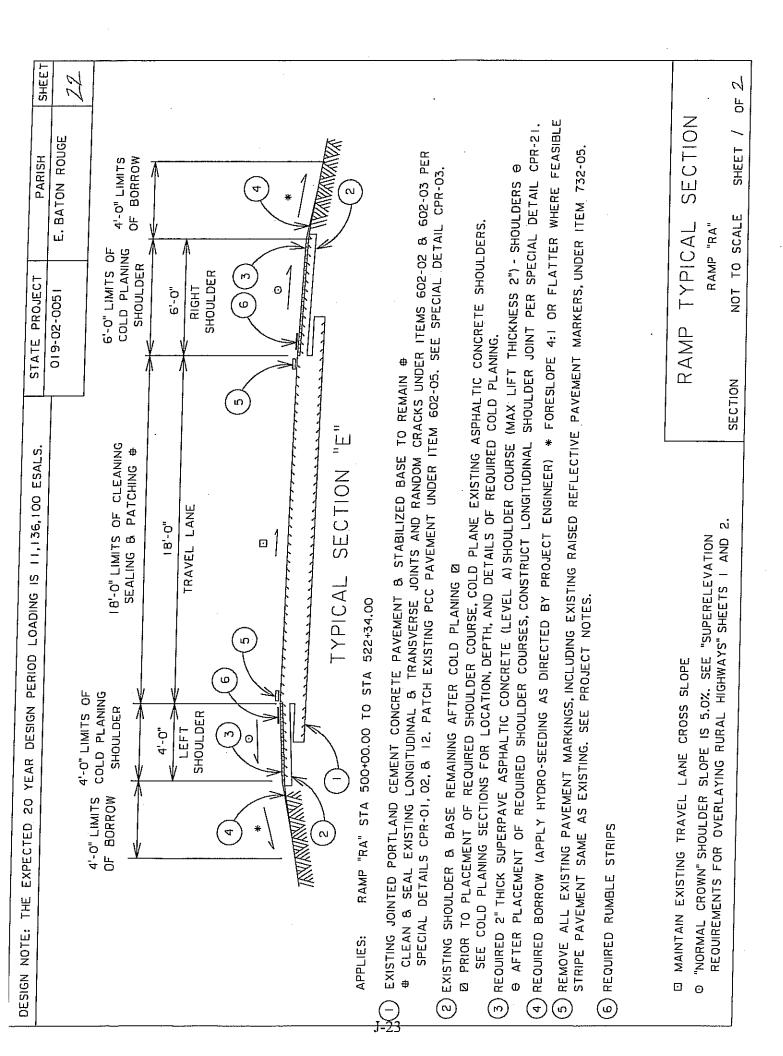
REQUIRED RUMBLE STRIPS

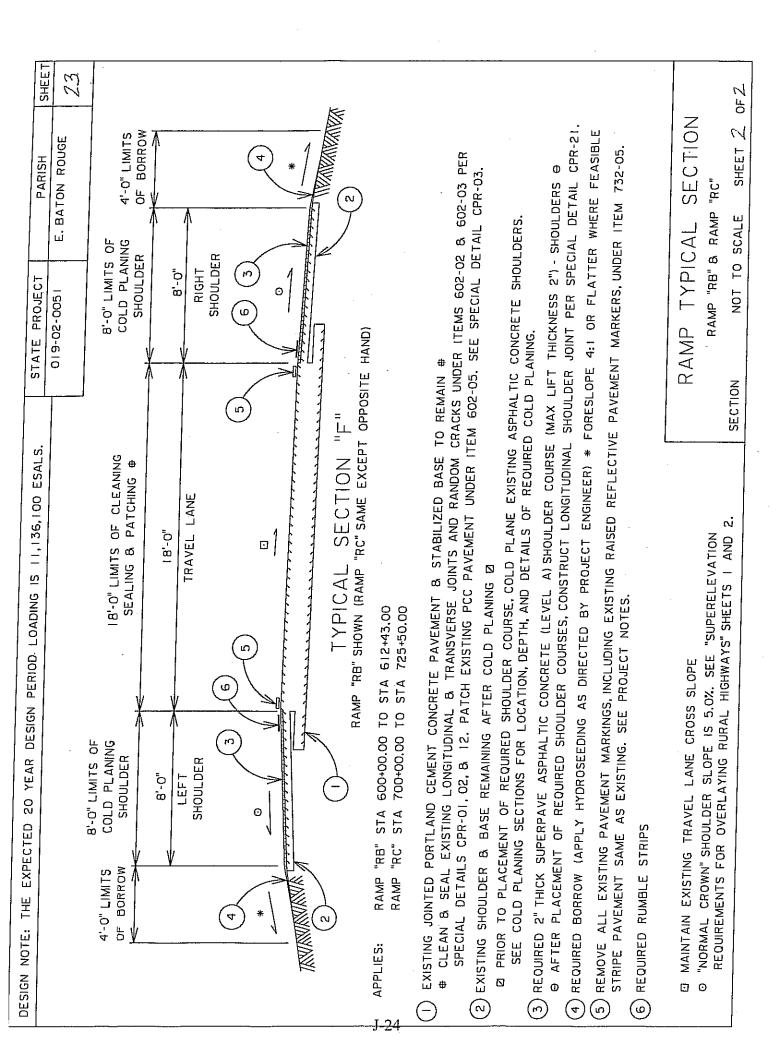
REQUIRED 2" THICK SUPERPAVE ASPHALTIC CONCRETE (LEVEL A) - SHOULDERS

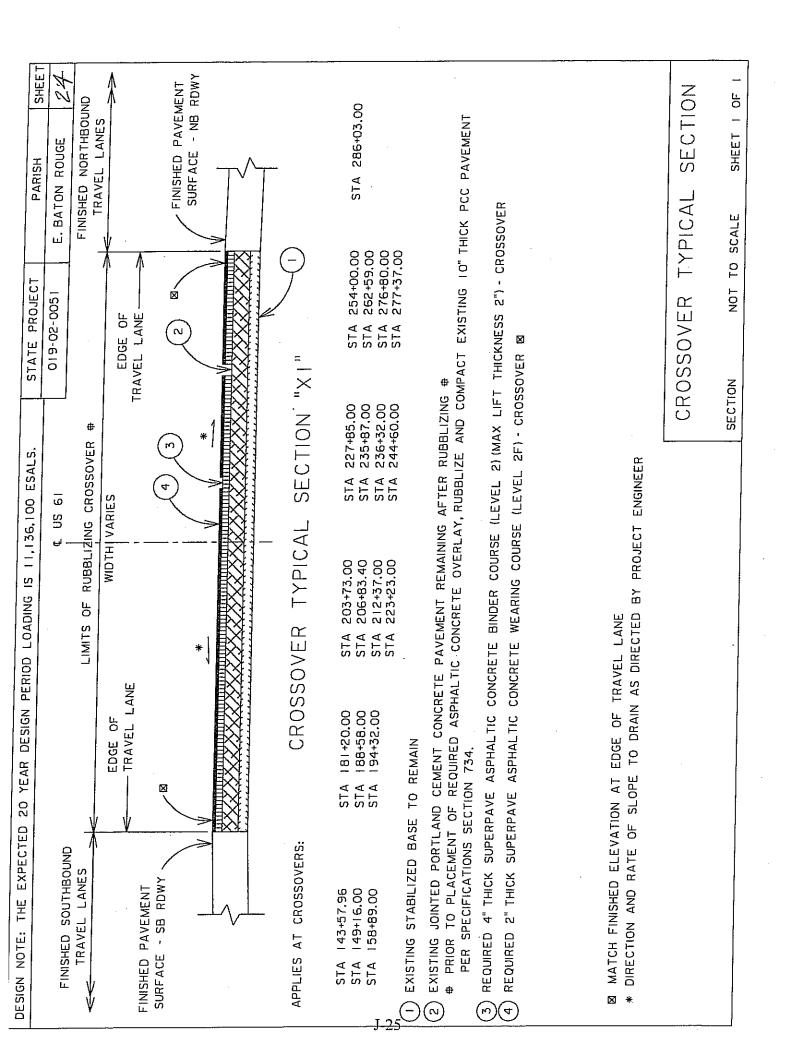
M 4) (J (O) MAINTAIN EXISTING SLOPE o

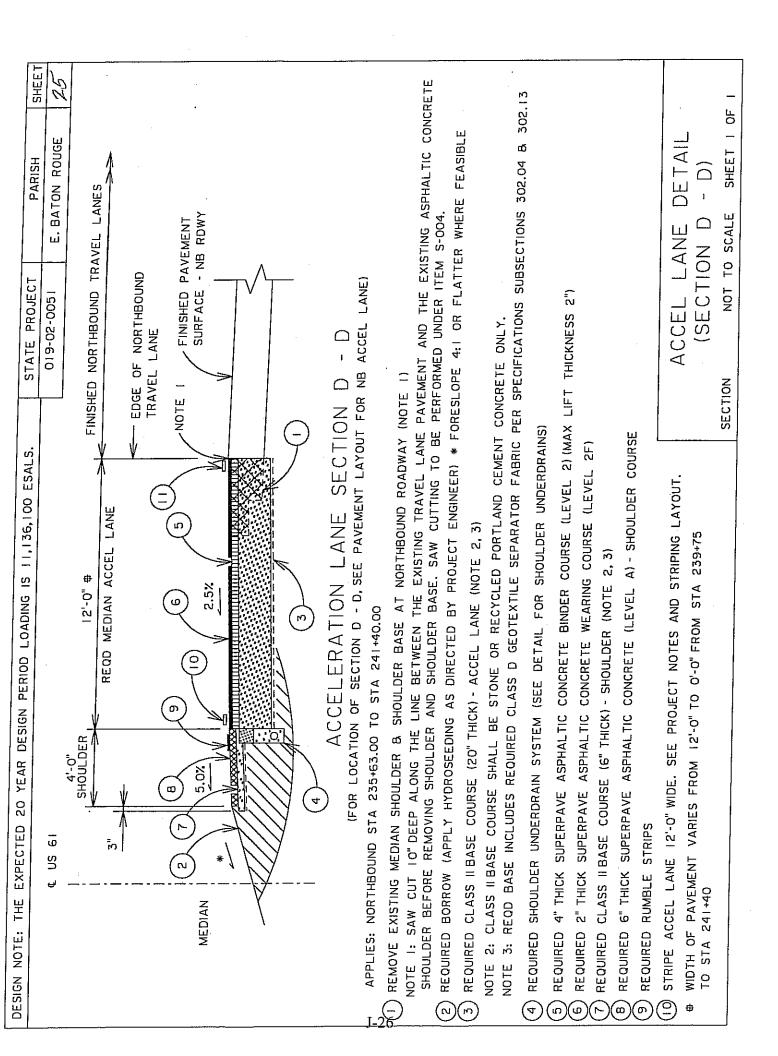
STRIPE PAVEMENT SAME AS EXISTING. SEE PROJECT NOTES.

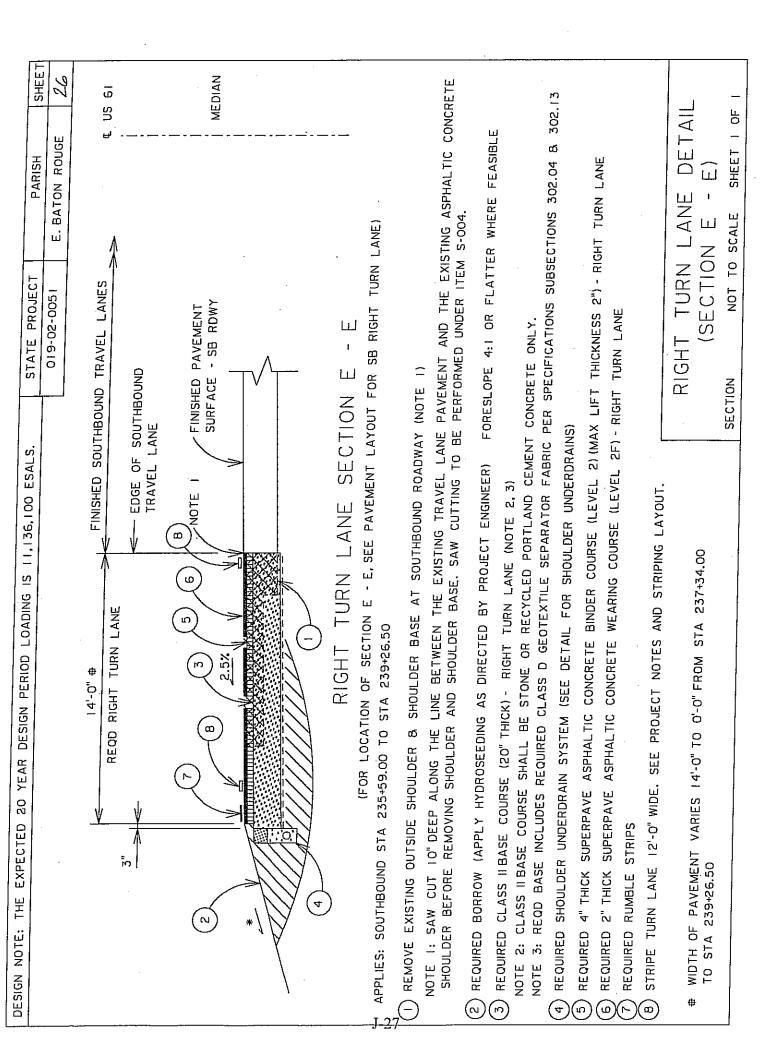
Р. Д SECTION Ð AT PPCP TO BE PATCHED & SEALED SHEET TYPICAL TO SCALE ROADWAY SECTION

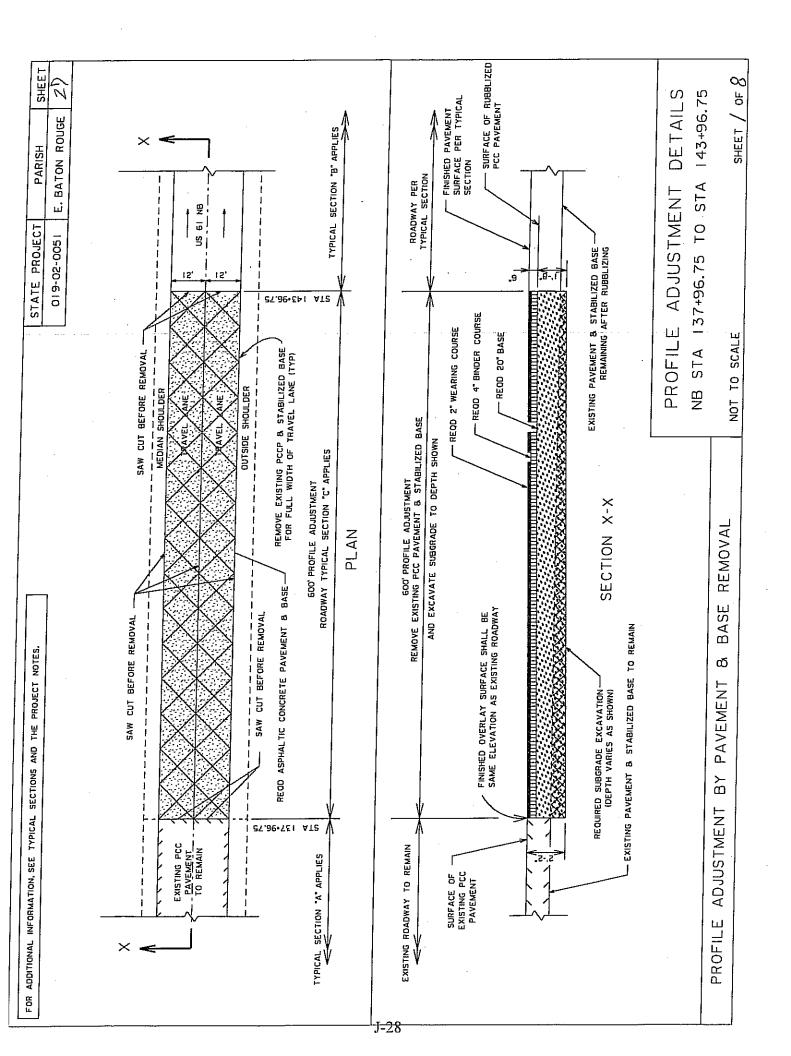


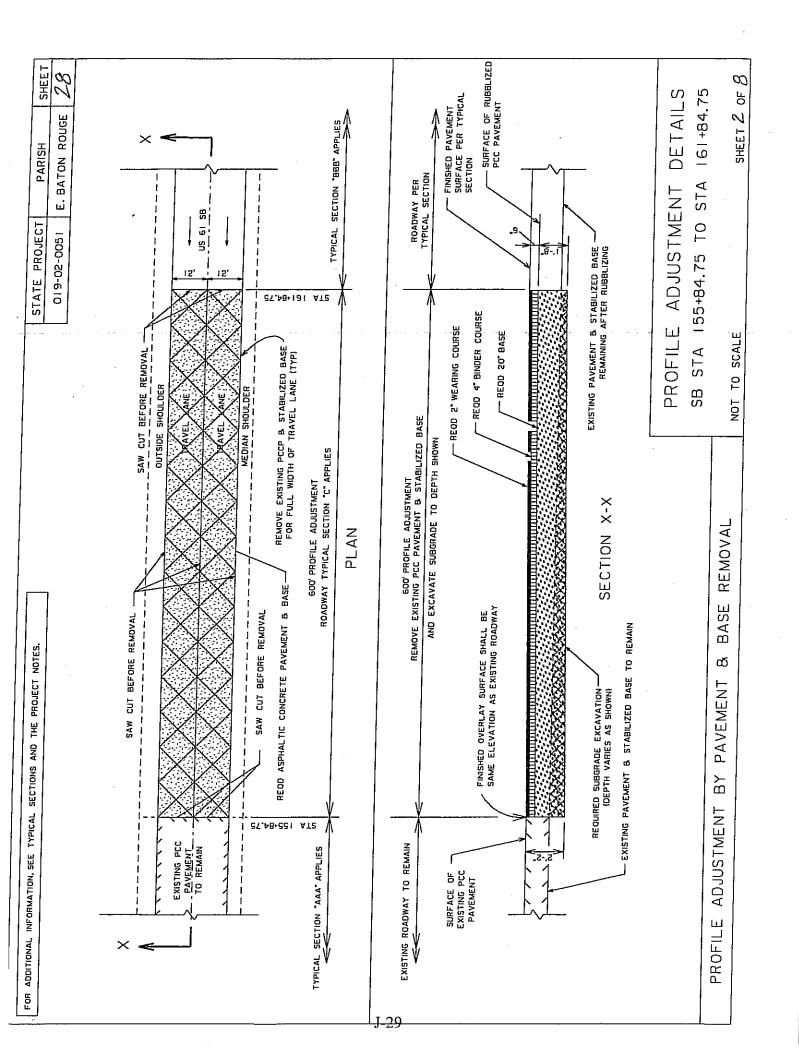


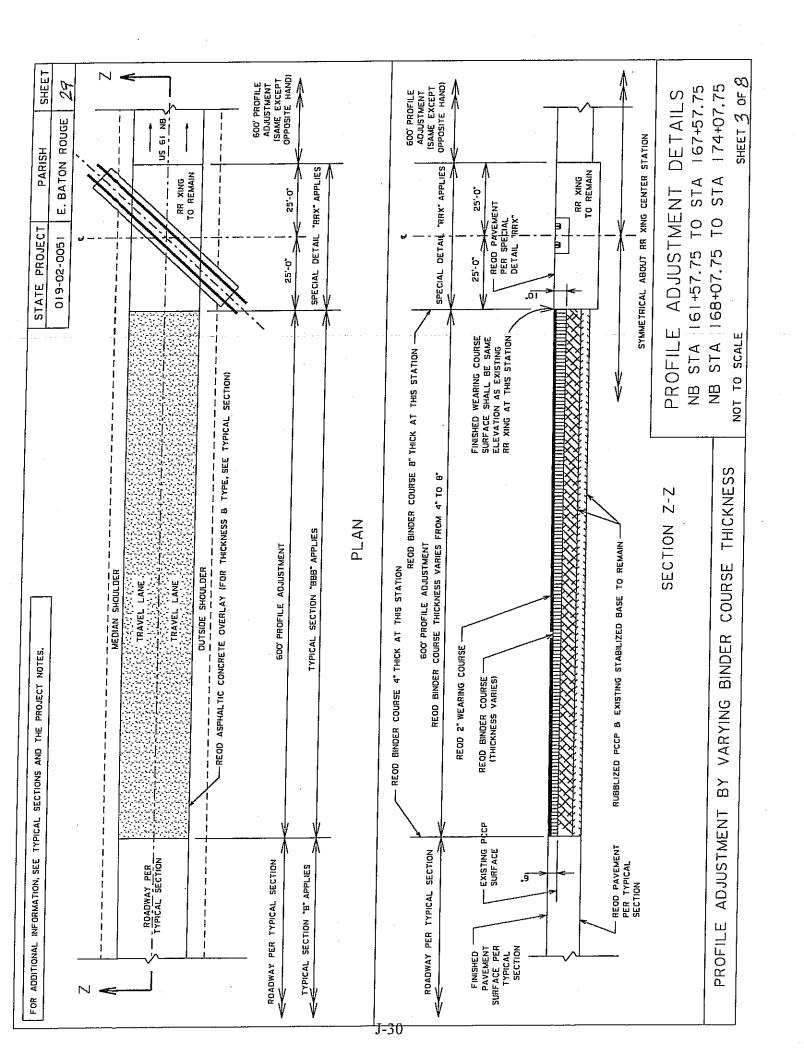


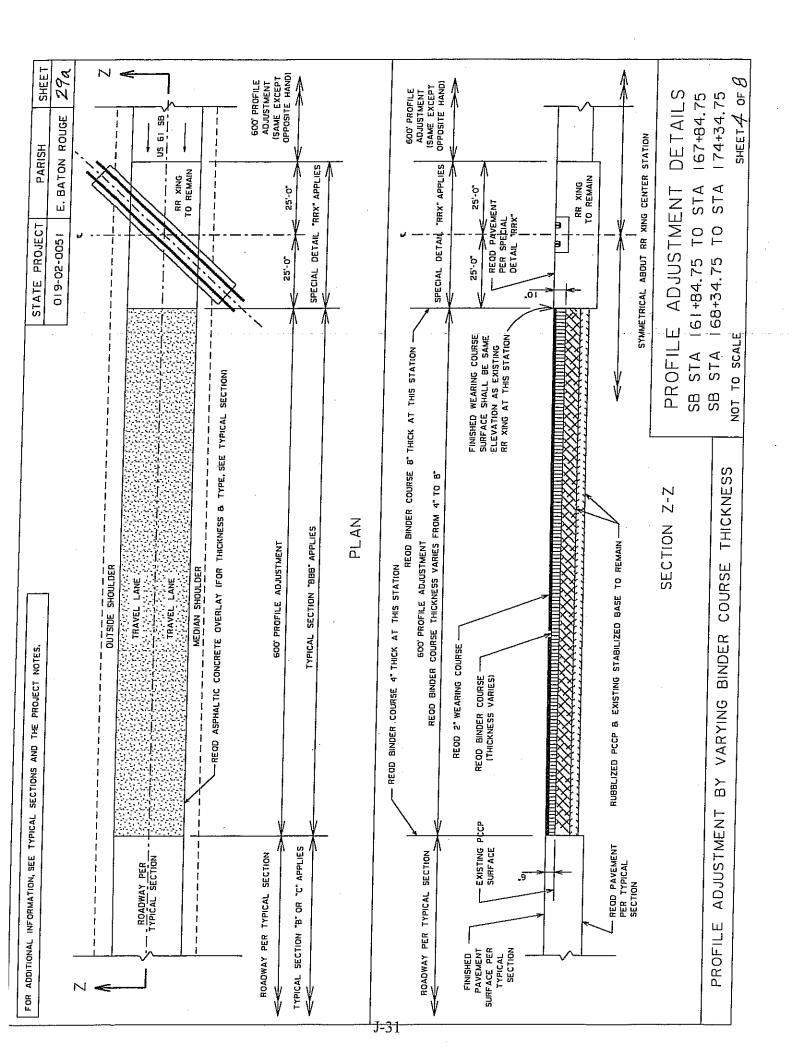


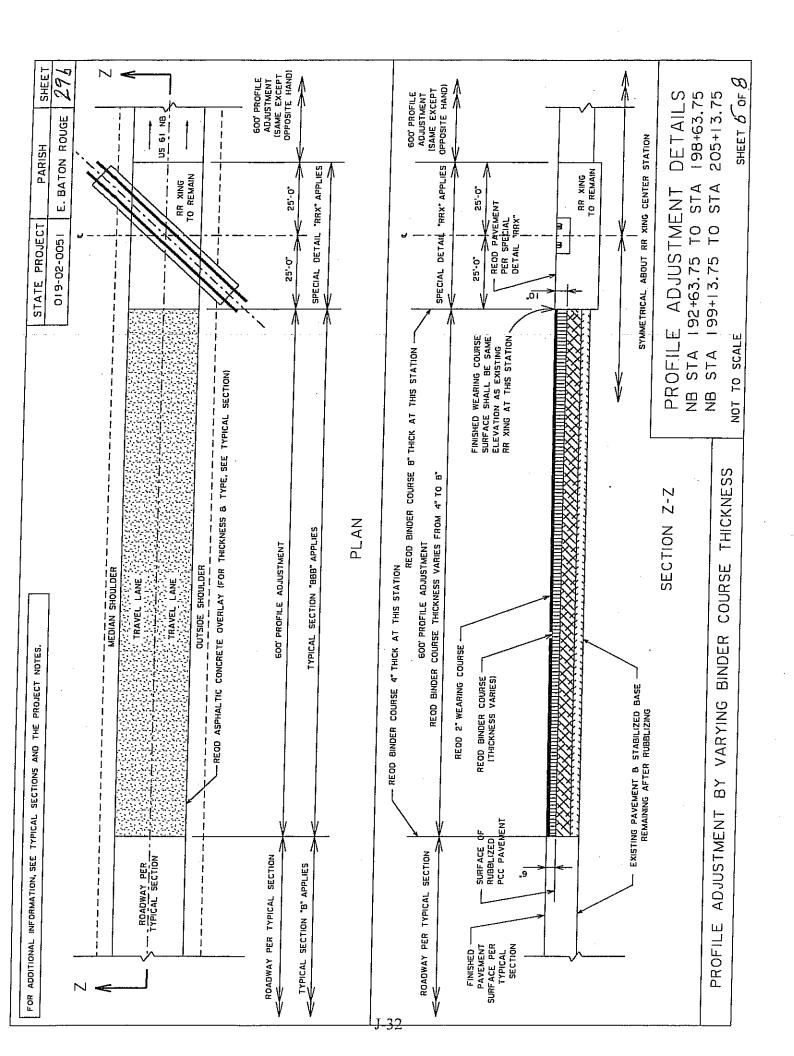


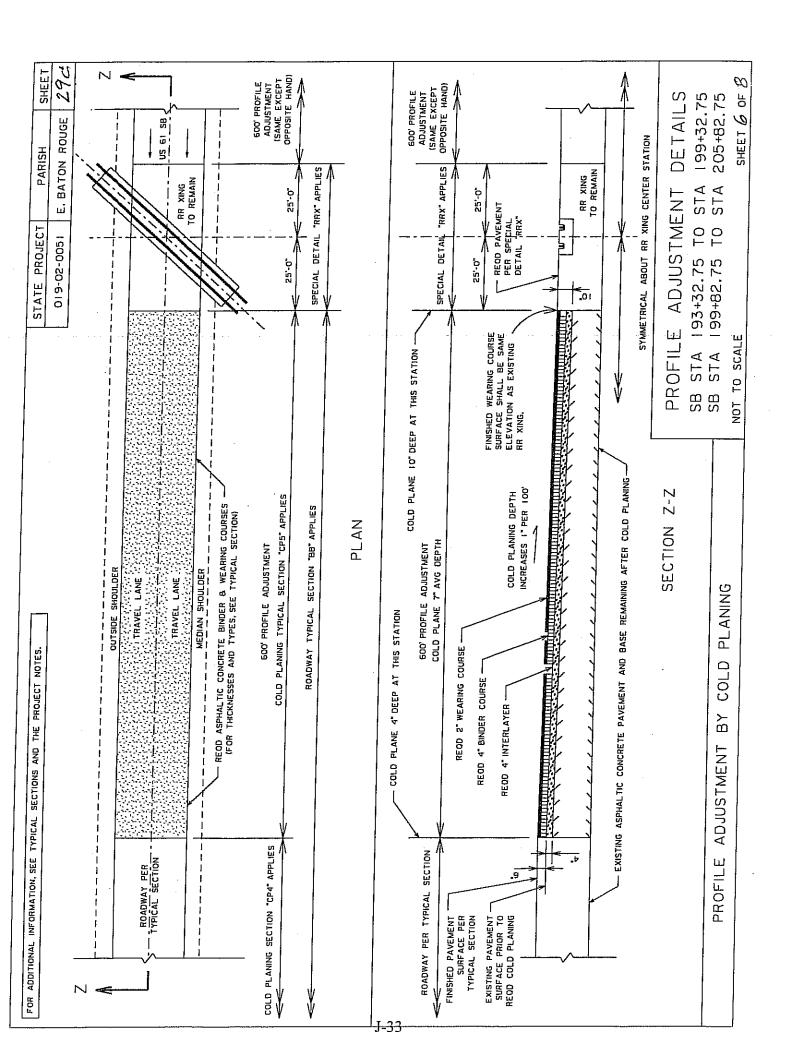


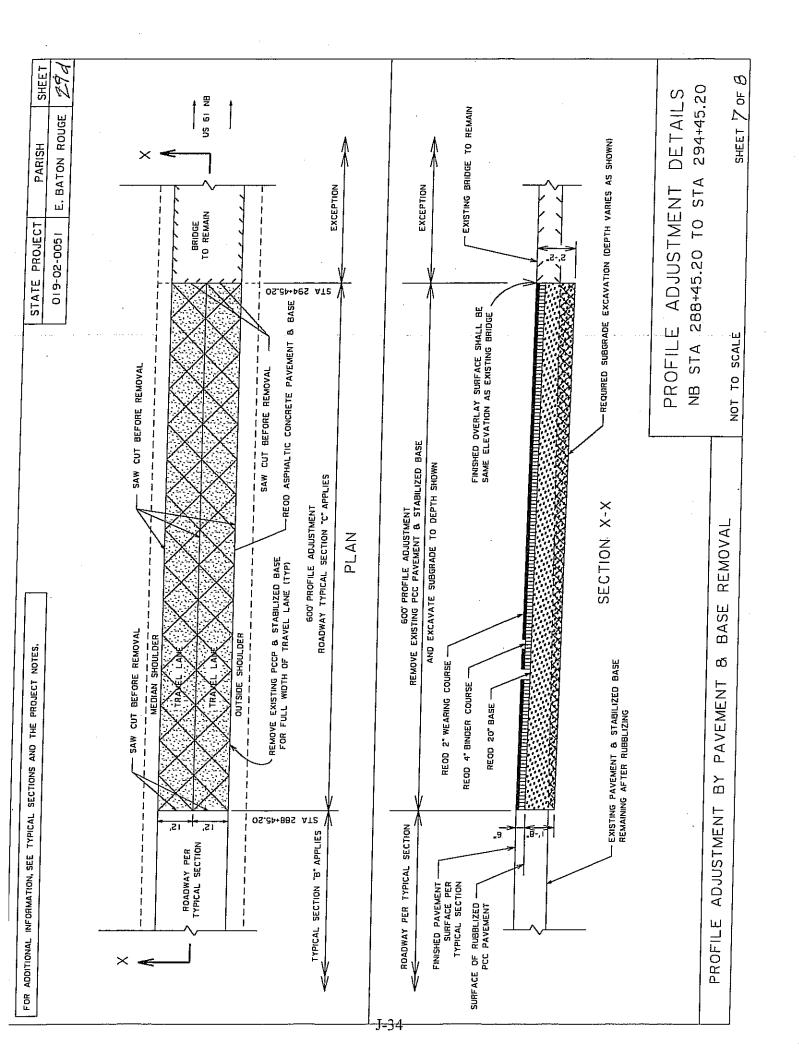


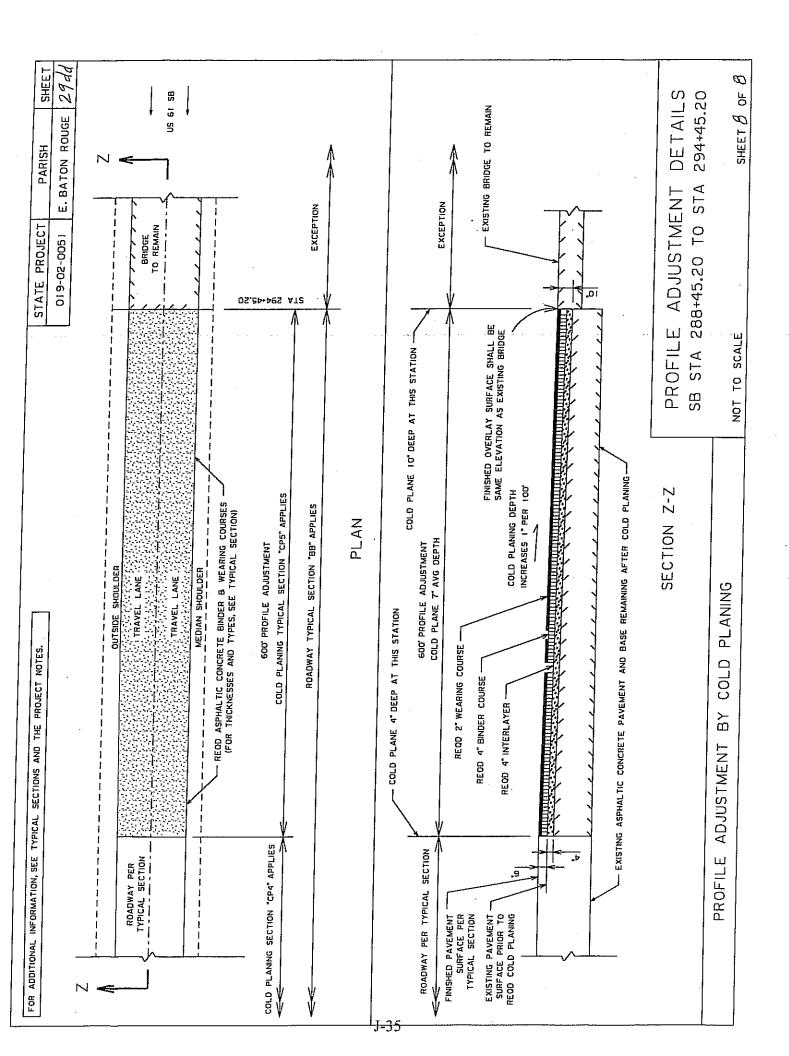


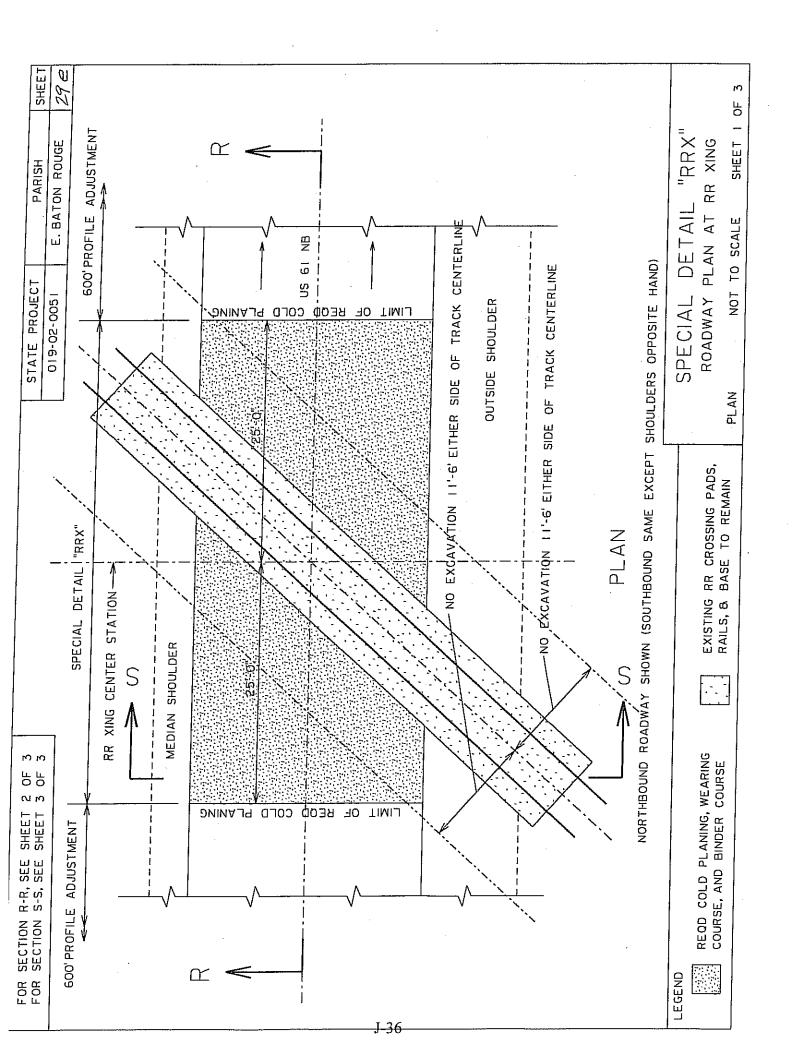


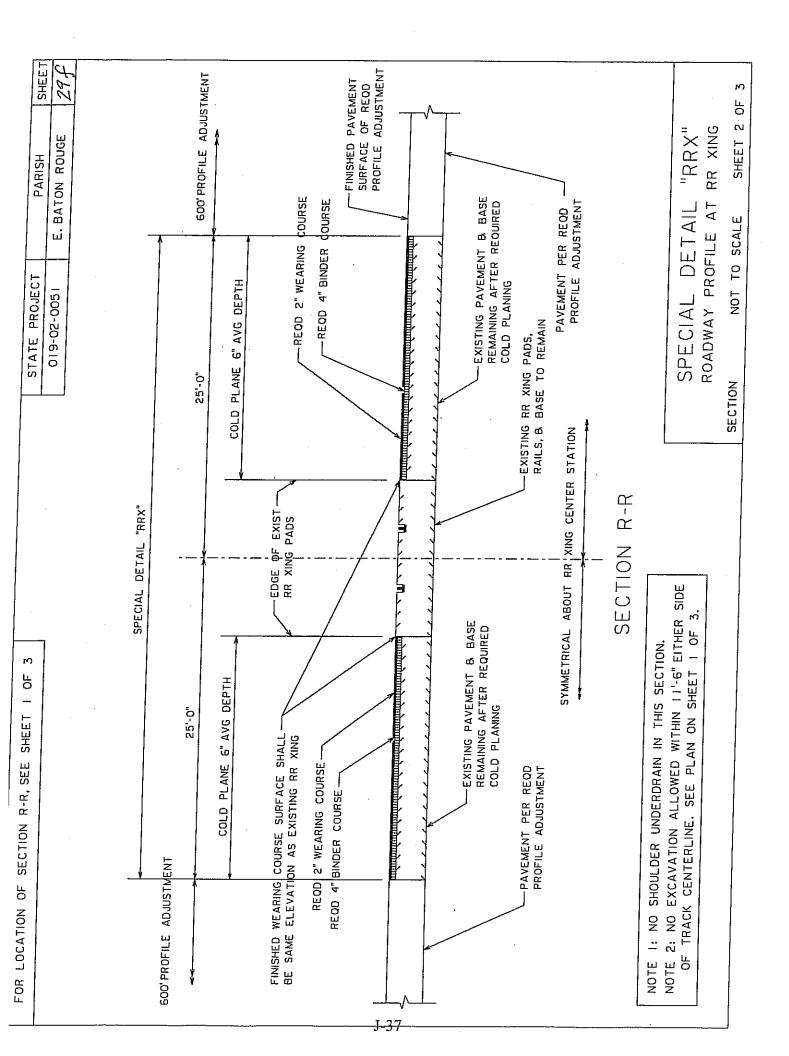


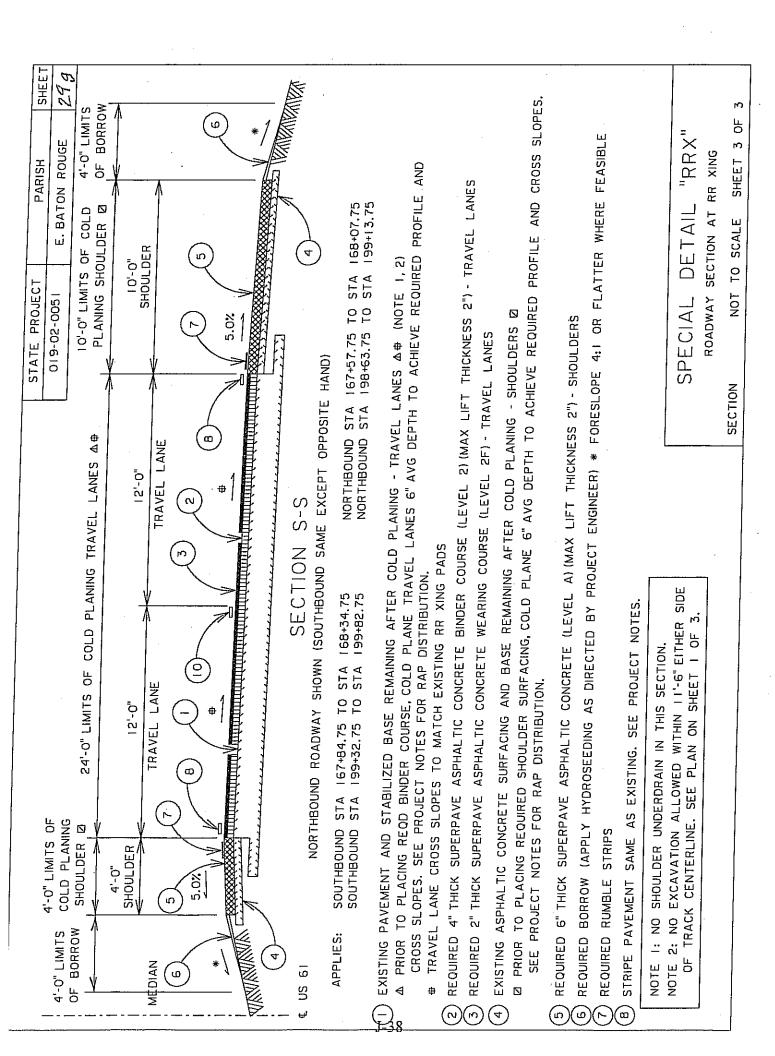


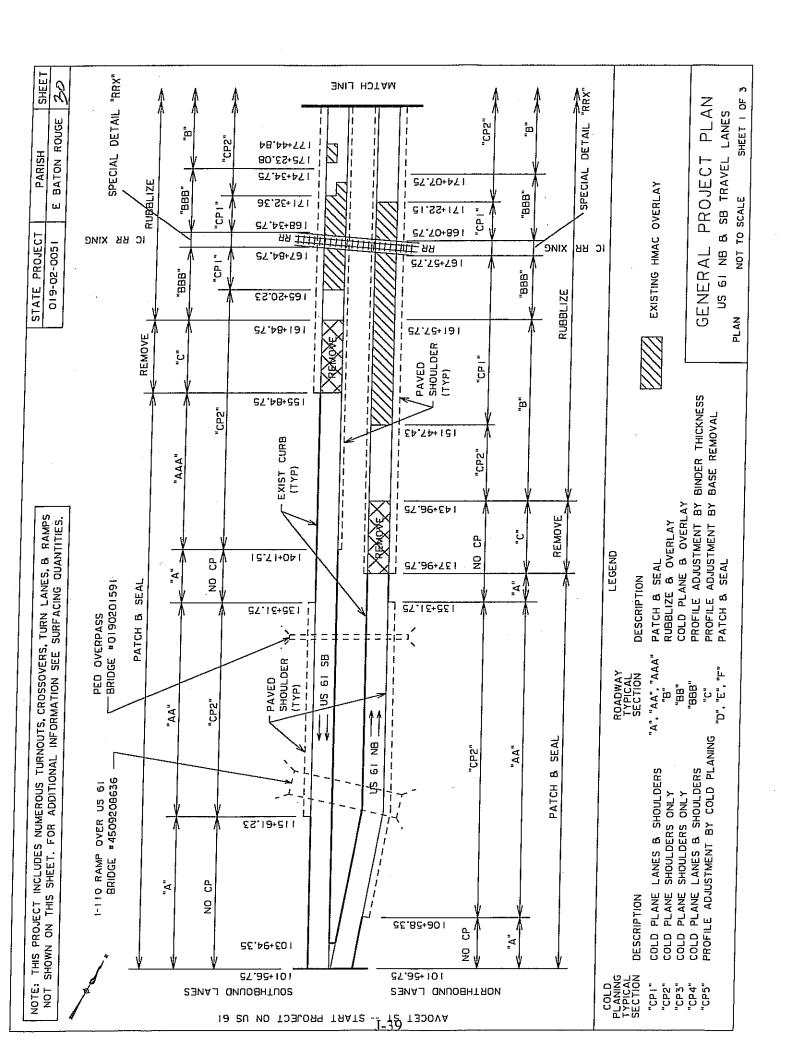


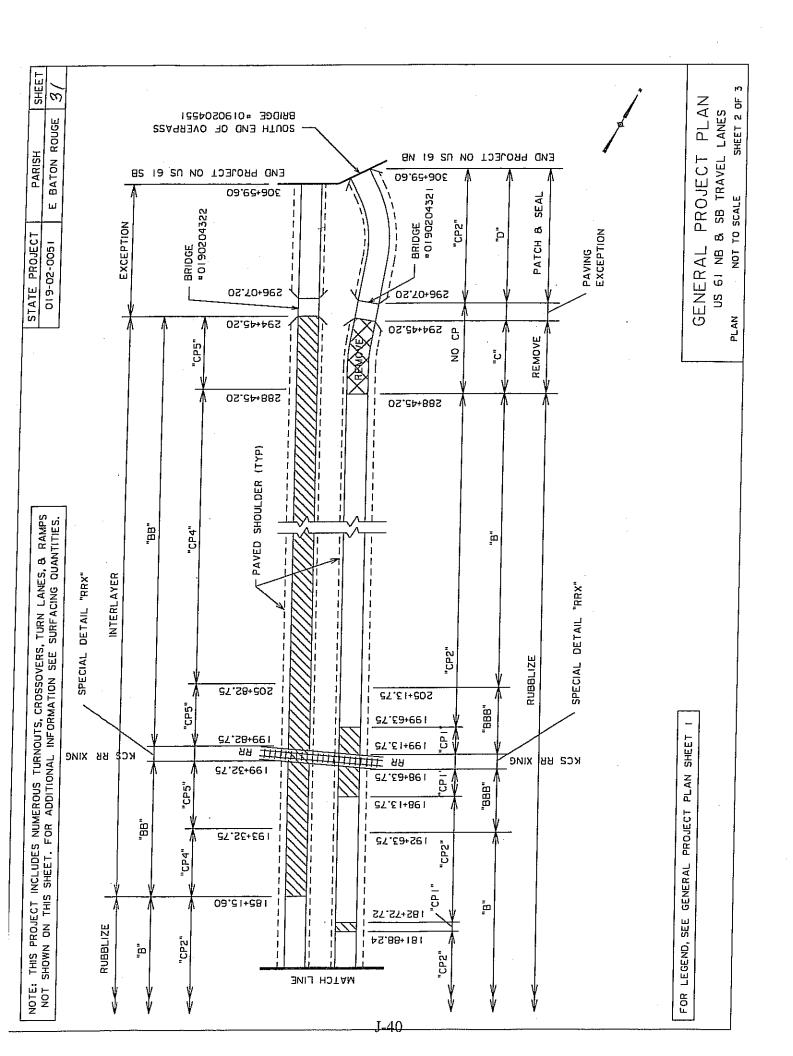


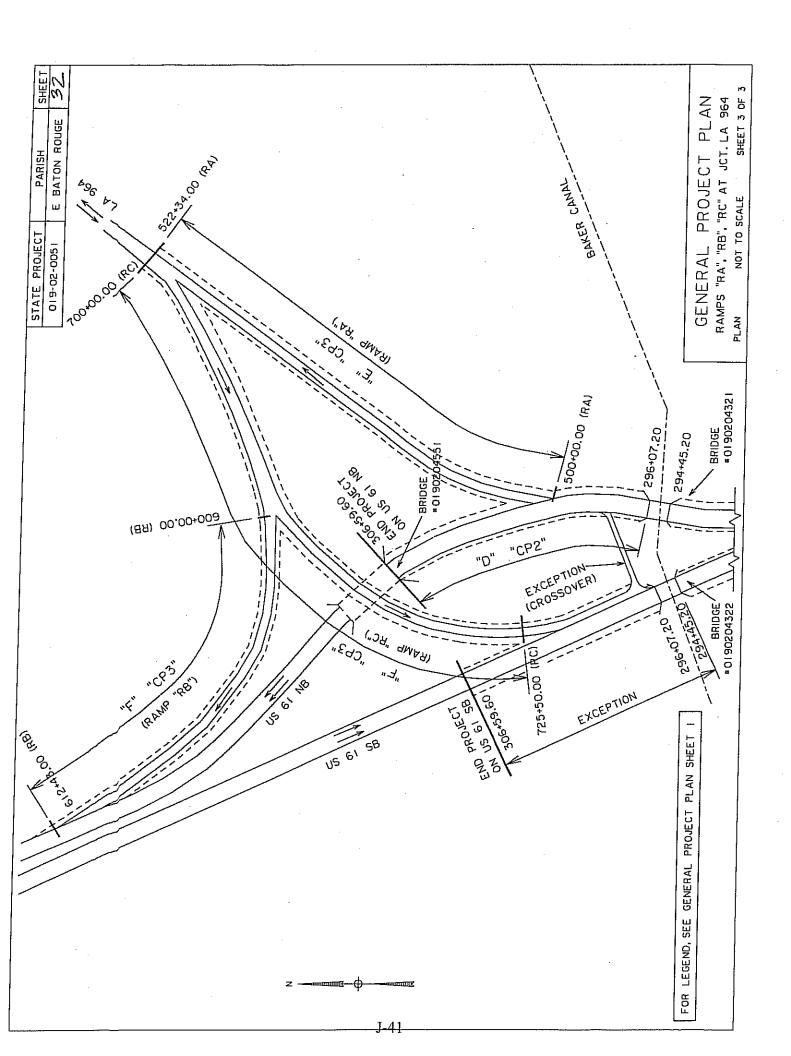












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SHEET 2 OF 7

EXCAVATION FOR PROFILE ADJUSTMENT	TRAVEL LANES	VOLUME	7		-	0	0	0	320		-	- c	0	-			٦		320	0	0		2			> =	C) C			155	3	2 -		795
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REMOVAL OF STABILIZED BASE 6" THICK	TRAVEL	AVG	MICIAN Figure		0.0	0.0	0.0	0.0	0.4.0	0.0				000	00	200		2 2	24.0		2	0			0,0	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	
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REMOVAL OF SURFACING AND STABILIZED BASE	SHOULDERS	AVG	feet		0.0	0.0	9 6	140		00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0		2 6			0.0	0:0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0:0	0.0	
CLASS II BASE COURSE 6" THICK	DERS	AREA	sq yd		8		200	933.3	8	0:0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	933.3	0.0	6		0.0	0.0	0.0	0.0	0.0	0:0	0:0	0:0	0.0	272.5	0.0	0.0	0.0	2139.1
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CLASS II BASE COURSE 20" THICK	& ACCEL LANE	AREA	sq yd	,	0 0		0.0	1600.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1600.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	579.2	0.0	0.0	0.0	3779.2
CLA BA COU	& ACCE	AVG	feet			0.0	0.0	24.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	7	0.0	0.0	0	12.3	0.0	0:0	80	
REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT	ONLY	AREA	Sq yd	6		0.0	0.0	1600.0	0.0	0.0	00	0.0	0:0	0:0	0:	0.0	0.0	1600.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3	2	00	0.0	0.0	3200.0
REMO PORT CEN CONC PAVE	Ó	WIDTH	feet	-		0:0	0.0		_	8	4	_	4	9	4	_	00	24.0	0.0	0.0		0.0	0.0	0.0	0.0	2 0	2 6	2 0	3 6	2 6	0.0	2			<u></u>
AUBBLIZING PORTLAND CEMENT CONCRETE PAVEMENT	1		Sq yd	-	0	0.0	0.0	0	4696.0	1600.0	0	1600.0	4949.3	1600.0	0	1600.0	222 17.2	8	0.0	0.0			335.8	-	4	225.7	_	_	_	4	4	4	335.8		42279.3
RUBBLI PORTL CEME CONCR PAVEN	1		feet	C	00	L	0.0	0.0			-						4	4	4	9		-	_	-	VARIED		VADIES.	VADIES	VADIED V	_		יאלא וויי	\neg	VARIED	
	a a A	-	\downarrow	٨	٧	₹	۲			888	X :	200				99	" "	۷	4		4		<u> </u>	- -		1				, L		+	-		
ITIES		DESCRIPT		ROADWAY	ROADWAY	ROADWAY	ROADWAY	ROADWAY	ROADWAY	ROADWAY	אַאַאַראַטס	POADWAY	יאימרטיי	בואוא מפ	מיייים מיייים	ROADWAY	YOADWAY Yes	ROADWAY	EXCEPT (BRDG)	ROADWAY		NB LEFT TURN	NB LEFT TORN	ND LEFT TURIN	NA LET TIEN	NB FFT TIRN	NR FET TIRN	NR FET TIRN	NR FFT TIEN	NA ACCELLAND	NR FET TIEN	NB EET TIEN	ND LEFT THISK	אם רבניו ומצו	
SURFACING QUANTITIES NORTHBOUND ROADWAY	LENGTH		lee!	237.60	264.00	2873.40	265.00	4754 00	00.00	50.00	800.00	1858 An	500.00	50.00	2000	8334 45	2000	900.00	162.00	1052.40	Ť														
SURFACII	END	STATION	NORTHBOUND ROADWAY	103+94.35	106+58.35	135+31.75	13/+96./5	143+90.75	167.101.10	168+07.75	174+07 75	192+63 75	198+63 75	199+13 75	205±12.7E	288+45 20	294+45 20	200 10 200	250+07.20	NOTICE SUBSTITUTES 10: 10: 10: 10: 10: 10: 10: 10: 10: 10:	AL LOKU LA	120+45,00	187485.00	183+59 00	205+88,00	211+65.00	222+50.00	226+98.00	235+35.00	241+40.00	243+90.00	261+70 00	275+85 00	S SHFFT ==>	
	START	STATION	NORTHBOUN	101+56.75	103+94.35	106+58.35	132+31./3	143+06 75	161+57 76	167+57 75	168+07.75	174+07.75	192463 75	198+63.75	199+13 75	205+13 75	288+45 20	204145	206-140-20	VI COUTOON	יים הני אשר	177+43 00	184±70 nn	181+44 On	204+30.00	208+50.00	219+50.00	223+99.00	232+18.00	235+63.00	240+75.00	258+55.00	272+71 00	TOTALS THIS SHEET	

SURFACING QUANTITIES

STATE PROJECT PARISH SHEET

SHEET 3 OF 7

	PLANING ASPHALTIC	MENT	6" AVG	TH	TRAVEL LANES	ILDERS	AREA		sq yd		0.0	0.0	0.0	0 0	2504.0	1004.5	100.4	489.1	0.0	131.4	0.0	77.8	160.4	77.8	00	0 0	00	2		3601.8
OTOS	PLANING	PAVEMENT	/9	DEPTH	TRAVEL	& SHOULDERS	AVG	WIDTH	feet		0.0	0.0	0.0	0.0	14.0	38.0	7	14.0	0.0	14.0	0.0	14.0	38.0	14.0	0.0	0.0	0 0			
COLD	PLANING ASPHALTIC	MENT	4" AVG	тн	TRAVEL LANES	& SHOULDERS	AREA		Sq ya		0.0	0.0	0.0	0.0	4294 2	0.0	V 058	000.4	0.0	225.3	0.0	133.3	0.0	133.3	0.0	0.0	0.0		ECOA E	3024.3
8	PLAI	PAVEMENT	4	DEPTH	TRAVEL	& SHOL	AVG	HLOIM	122	,	0.0	0.0	0.0	0.0	24.0	0.0	24.0			24.0	0.0	24.0	0.0	24.0	0.0	0.0	0.0			
COLD	PLANING ASPHALTIC	MENT	2" AVG	DEPTH		טאטר	AREA	7	ná he		n'n	3192.7	0.0	1167.7	0.0	0.0	00	1658 4	1000	0.0	7,7862	0.0	0:0	0.0	13815.6	0.0	1637.1		7386R 7	
8	ASPH	PAVEMENT	2",7		i Cha		AVG	WIUIN	3	C	0.0	10.0	0.0	14.0	0.0	0.0	0.0	14.0	200	0.5	0.4.0	0.0	0.0	0.0	14.0	0.0	14.0			
						į	<u>}</u>				5	2		CP2	CP1	RRX	유 난	CP2	, d		֡֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	5 6		5	CPZ	I	CP2			
		NILIES	ולאחנה				DESCRIBT			NO COLD PLANING	OLITRIDE SHI DE	אוס סיוואים הייסי סוא	מיויואים ביים סיי	SHOULDERS	ROADWAY	RR XING	ROADWAY	ROADWAY	ROADWAY	ROADMAN	POADWAY.	CINIX	איייייייייייי	TOMOWAY	HOADWAY	NO COLD PLANING	KOADWAY			
		SORFACING QUANTITIES				I FNOTH		feet	}_	501,60	2873 40	BES OD	750.00	40,40	10 10.32	20.00	314,40	1066.09	84.48	1541.03	50.00	50.00	50.00	20.00	2001.43	1020	1052.40			
	i i	NORTH)			CNE	STATION	feet	ORTHBOUND ROADWAY	106+58.35	135+31.75	143+96.75	151+47 43	757-57-	107.101	158+07.75	1/1+22.15	181+88.24	182+72.72	198+13.75	198+63.75	199+13 75	199+63.75	288±4E 20	206743.20	20407.20	300+33,00		OTALS THIS SHEET ==>	
						START	STATION	feet	ORTHBOU	101+56.75	106+58.35	135+31,75	143+96 75	151-47 43	27. 57.40	67.75	02+01.75	171+22.15	181+88.24	182+72.72	198+13.75	198+63.75	199+13.75	199+63 75	288+45 20	05.77.50	03:10:00:		O ALS THE	

SURFACING QUANTITIES SHEET 4 OF 7

PARISH

STATE PROJECT 019-02-0051

		•																										
	BLE IPS		DERS	OUTSIDE		miles		0000	0.000	0000	0.000	0.000	4	4 6	0.003	2 2	0.200	207.0	4 703	0 000	000	0.000		!			1 6	7.200
	RUMBLE	Č	SHOULDERS	MEDIAN OUTSIDE		miles	000				200.0	1670		1 6	14,000	2020	0.200	0,200	1702	0000	0.000						2 022	770'5
	PAVE LTIC RETE DER SSE	THICK	ר אין ≻	AREA		Sq yd	0	0	0	00	0	9 0	033.3		033.3	-				0.0	0.0		1				186F F	,
	SUPERPAVE ASPHALTIC CONCRETE SHOULDER COURSE	ANG THICK		AVG	HICIM	199	0.0	0.0	0.0	0.0	Ü	U U	14.0	2	7 14 10 10 10 10 10 10 10 10 10 10 10 10 10	00	0	00	0.0	0.0	0.0		1	1				J
	AVE LTIC RETE DER SE	FRS		AREA	70	7,	0:0	0:0	0:0	0,0	0.0	0.0	0.0	0.0	0.0	1681.3	0.0	0.0	0.0	0.0	0.0		ı	1			1681.3	
	SUPERPAVE ASPHALTIC CONCRETE SHOULDER COURSE	SHOULDERS	NIVO .	AVG	feet and	3	0.0	0.0	0.0	0.0	0'0	0.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0		1	J		1		
	AVE LTIC ETE DER SE	ERS	>	AREA	PA DS	}	0.0	0.0	0.0	0.0	0.0	933.3	0.0	59.1	0.0	0.0	2204.5	59.1	14719.4	0:0	0:0		1	ļ	1	-	17975.4	
	SUPERPAVE ASPHALTIC CONCRETE SHOULDER COURSE 6" THICK	SHOULDERS	칡	AVG	feet		0.0	0:0	0:0		0.0		0.0	14.0	0.0	0.0	14.0	14.0		0.0	0.0		i	ı	ļ		<u>-</u>]
	AVE LTIC EETE DER SE	SERS		AREA V	sq yd	-	89	8	2189.5	0.0	696.6	8	89	0.0	0.0	0:0	0:0	0.0	0.0	0.0	2.5		•	1	1	1	2886.1	
1	SUPERPAVE ASPHALTIC CONCRETE SHOULDER COURSE 2" THICK	SHOULDERS	ᆕᅡ	WIDTH	feet		9.	+	+	+	+	0	00	2)	00	2)	3	0.0	0.0	2 6	?		i	1	1	1		
34175	LTIC LTIC RETE ING SE	ANES	ŗ	<u></u>	Sq yd		000		2 6	3 6	0.0	1600.0	0.000		1600.0	2002.3	1,75	101.3	23233.2		3	7 855	7,000	442.0	338./	338.7	38356.1	
Silbeboave	SOF EN PAVE ASPHALTIC CONCRETE WEARING COURSE 2" THICK	TRAVEL LANES	ONLY		feet	-	3 6					24.0	2.4.0	21.5	24.0	+	2.5	24.0	†		3	VARIES	VADIES	VACIES	CILLY CILLY	אלאונט		
AVE			APEA		Sq yd						2 5	200	200	200	0.000	2 6	2 6	3 6				0.0	T	Ť	1	,	3200.0	
SUPERPAVE	ASPHALTIC CONCRETE BINDER COURSE 6" AVG THICK	TRAVEL LANES	AVG A		feet	6	0.0	00	0.0	U	0	24.0	000	+	2.00							0.0	60	000		t]	
WE			AREA		SC yo	0.0	0.0	0.0	0.0	0.0	1600.0	+	67	\perp	C.	╀	+	25233.2		0.0		338.7	442.8	338.7	338.7	35156 1		
SUPERPAVE	ASPHALTIC CONCRETE BINDER COURSE 4" THICK	I RAVEL LANES	AVG	_	in in	0.0		0.0	0.0	0.0	24.0 16	+	L	+	L	╁	-	╁	┢	0.0		VARIES 3		L	L			
F	F	-	A HYT	<u></u>		V	\vdash	₹	A	AAA	C		ľ	1		88 2	RRX 2	1	L	1		_ VA	E-E VARIES	<u> </u>				
				RIPT		WAY	WAY	WAY	WAY		WAY	Γ				WAY		1	(BRDG)	(RDWY)		TURN	TTURN	TURN	TURN			
	TTIES DWAY			DESCRIPT		ROADWAY	ROADWAY	ROADWAY	ROADWAY	ROADWAY	ROADWAY	ROADWAY	RR XING	ROADWAY	ROADWAY	ROADWAY	RR XING	ROADWAY	EXCEPT (BRDG)	EXCEPT (RDWY		SB LEFT TURN	SB RIGHT TURN	SB LEFT TURN	SB LEFT TURN			
3 6	SURFACING QUANTITIES SOUTHBOUND ROADWAY		LENGTH	feet		237.60	1166.88	1970.52	485.76	1567.24	600.00	600.00	50.00	600.00	1080.85	1417.15	50.00			1052.40	ES	312.00	367.50	324.00	314.00			
	SURFAC		END	STATION	ROADWAY	103+94,35	115+61.23	135+31.75	140+17.51	155+84.75	161+84.75	167+84.75	168+34.75	174+34.75	185+15.60	199+32.75	199+82.75	294+45.20	296+07.20	306+59.60	SOUTHBOUND TURN LANES	185+28.00	239+26.50	248+44,00	6+39.00	HEET ==>		
				# E	SOUTHBOUND ROADWA	L		115+61.23 13	+	-	-+	+	<u></u>	_	-	+	_			290+07.ZU 3U	HECONNE	-	_	245+20,00 24	263+25.00 266+39.00	TOTALS THIS SHEET ==>		
			START	feet	SOUT	101	103+	÷	1	+	100	161+	167+	j	\$	÷	199+	199+	284+	+067		182+	235+39.00	245+	263+	TOTAL		

SURFACING QUANTITIES SHEET 5 OF 7

STATE PROJECT PARISH SHEET 019-02-0051 EBR 37

	-																											
	EXCAVATION FOR PROFILE ADJUSTMENT	TRAVEL LANES	ONLY	VOLUME		D. 00						167	124			0		0	0	0	0	0		0	121	0	0	548
	EXC FOR ADJI			AVG	בינ פינו	<u> </u>	c	0.0	2	2					3 0	2 2	3	9	8	9	0.0	0.0		0.0	0.8	0.0	0.0	
	REMOVAL OF STABILIZED BASE 6" THICK	LANES	۲	AREA	מא מין	1	00	0.0	0.0	0.0		1600 0				2 6		3	8	9.0	9	9		8	0.0	0.0	0.0	1600.0
	REMOVAL OI STABILIZED BASE 6" THICK	TRAVEL LANES	ONLY	AVG	feet		0.0	0.0	0.0	0.0	0.0	24.0	Ċ	0			3 6	200	0.0	٥١٥	3	0.0		8	0.0	0.0	0.0	
	AL OF CING D LIZED		>	AREA	Sq vd		0:0	0.0	0.0	0.0	0:0	933.3	0.0	0.0	5		5						1	2:0	42B.B	0:0	8	1362.1
	REMOVAL OF SURFACING AND STABILIZED BASE	SHOULDERS	CONT	WIDTH	feet		0.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0	00					3	0	2 5	10.5			
	P TED AYER IICK	LANES	1		sq yd		0.0	99	0.0	0:0	0.0	0.0	0.0	0.0	0.0	0.0	5983 5	0	30052 8	0.00		2:	0		0.0	0.0	2	45936.1
	RAP TREATED INTERLAYER 4" THICK	TRAVEL LANES	AVG ABER	WIDTH	feet		0.0	00	8	8	0.0	8	0.0	0'0	0.0	0.0	38.0	0	38.0	00		3	00			2 6	7	
	SE S	DERS >	REA		망망				3 3	0.0	3	933.3	8	8	0,0	0'0	0.0	0.0	0.0	0.0	0		0.0	0.0			2 5	2.00.0
	CLASS II BASE COURSE 6" THICK	SHOULDERS	AVG	WIDTH	<u>ee</u>		0.0	2,0		2 6		5,5	2	0.	89	0.0	0:0	0.0	0.0	0.0	0.0		0.0	0.0		200	;	
	S II SSE IICK	NLANE	-		20 yo						0.0	0.00	3		0:0	89	0.0	0.0	0.0	0.0	0.0		0:0	451.2	0.0	000	2051.2	71 001
	CLASS II BASE COURSE 20" THICK	ART TURN LANES	AVG	WIDTH	<u> </u>	6		200		200	2 2	2 0		2	2	8	89	0.0	0.0	0.0	0.0		0.0	VARIES	0.0	0.0	t	
	AL OF AND ENT RETE		REA	Ţ	7, 70	-		88	0	2	16nn n				3	2)	3	8	89	0:0	0.0		0.0	0.0	0.0	0:0	1600.0	
	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT	ONLY	. n	WIDTH	1	0	000	0.0	0.0	0.0	24.0								0.0	8	0.0		0:0	0.0	0.0	0.0		
	LAND ENT RETE MENT) - -	AREA	בא	2	D O	0.0	0,0	0.0	0.0	0.0	1600.0	0	1500 n	2007	2002.0	5 6	3)	8	3	89		338.7	0.0	338.7	338.7	7098.4	
100110	PORTLAND CEMENT CONCRETE PAVEMENT TRAVELLANES	ONLY	AVG.	WID!H		0.0	0.0	0.0	0.0	0.0	0.0	24.0	0.0	24.0	24.0	0.00		3 3		2)	2		VARIES	E-E VARIES	VARIES	VARIES		,
			<u>}</u>		L	٧	٨	Ą	∢	AAA	ပ	BBB	RRX	BBB	α	ä	200	2 5	8	+	1		+	비	ī			
	ITITIES ADWAY		דמומיסקת			ROADWAY	RR XING	ROADWAY	ROADWAY	ROADWAY	RR XING	NAME AND	TAYOUNT TOUCH	EXCEPT (BRIDG)	באטברו (תטעיז		SO LEFT FURN	אים וייטוא פט	SE LEF I UKN	SB LEFT TURN								
	SURFACING QUANTITIES SOUTHBOUND ROADWAY	ENICTU		feet	>-i	237.60	1166.88	1970.52	485.76	1567.24	600.00	600.00	50.00	600.00	1080.85	1417.15	50.00	9462 45	162.00	1052 40	1 0 U	312 00	357.50	204.00	324.00	314.00	•	
	SURFAC	CNI	STATION	feet	SOUTHBOUND ROADWA	103+94.35	115+61.23	135+31.75	140+17.51	155+84.75	161+84.75	167+84.75	168+34.75	174+34.75	185+15,60	199+32.75	199+82.75	294+45 20	296+07 20	306+59.6n	SOUTH ON ION I AND	185+28 nn	239+26 50	248+44 00	00.44.000	266+39.00		
		START	STATION	feet	NORH I NOS	101+56.75	103+94.35	112101.23	133431,73	140+17.51	155+84.75	151+84.75	16/+84.75	168+34.75	474+34.75	485+15.60	Q 9+32.75	199+82.75	294+45.20	296+07.20	SOLITHROUN	182+16 00	235+59.00 239+26.40	245+20 00	283.25.00	1 203725.UU	בובים בובים	

SURFACING QUANTITIES

STATE PROJECT PARISH SHEET

SHEET 6 OF 7

			일본				202	200	<u> </u>	sa yd		0.0	0.0	0.0	00	200			3	2	0.0	0.0	2448.9	0.0	2533.3	0.0	2533.3	0.0	T	-	_
	000	PLANING	ASPHALTIC PAVEMENT	7" AVG	DEPTH	- - -	SHOLLINER	AVG				0.0	0.0	0.0	0.0	00	0		3 3	0:0	0.0	0.0	38.0	0.0	38.0 2	0.0		╁	-		-
	COLD	PLANING	PAVEMENT	6" AVG	TH	TRAVEL LANES	& SHOULDERS	AREA		sq yd		0.0	0.0	0.0	0.0	0.0	4115	160.4	A80 0	102.3	O'O	0.0	0.0	160.4	0.0	0.0	0.0	0.0			
,	8	PLA	PAVE	·.9	DEPTH	TRAVEL	& SHOL	AVG	WIDTH	feet		0.0	0.0	0.0	0.0	0.0	14.0	38.0	14.0	200	2.0	0.0	0.0	38.0	0.0	0.0	0.0	0.0			
	COLD	PLANING ASPHALTIC	PAVEMENT	4".AVG	DEPTH	TRAVEL LANES	& SHOULDERS	AREA		sq yd		0:0	0:0	0.0	0.0	0.0	705.4	0.0	396.8	0	2450	2.0046	0.0	0.0	0.0	34885.9	0.0	0.0			
	<u>გ</u>	PLA	PAVE	4	ם	TRAVE	& SHO	AVG	WIDTH	feet	,	0.5	0.0	0.0	0:0	0.0	24.0	0.0	12.0	00	38.0	2005	2:0	2.0	0.0	38.0	0.0	0.0			
	COLD	PLANING ASPHALTIC	PAVEMENT	2" AVG	DEPTH	:	SHOULDERS	AREA		sq ya		0.0	2109.5	n.u	696.6	1455.2	0.0	0.0	0.0	21517	00		2 0			9. 1.	0.0	0.0			
	ร ;	PLA ASPH	PAVE	5	DE	1	SES SES SES SES SES SES SES SES SES SES	AVG	WIDTH	1991	C	2,5	2.0		4.0	14.0	0.0	0.0	0.0	14.0	00		3 6		3 6	210	0.0	0.0			
								<u>.</u>			i	1 6	5			2		똢	CP1	CP2	CP4	C PG	2 20	16			3	!			
			ANTITIES					ָרְ הַנְיִהְ הַנְיִהְ	上についまり		NO COLD PI ANING	ROADWAY	NO COLO PI ANING	OF INDIVIDUO OF	ייובטואול מחבטא	ROADWAY	ROADWAY	KK XING	KOADWAY	ROADWAY	ROADWAY	ROADWAY	PR XING	ROADWAY	ROADIAIAY	200000	NO COLONIALO	INO COLD PLAINING			
			SURFACING QUANTITIES SOUTHBOIIND BOADWAY				FNGTU		fac)	ح	1404.48	1970.52	485.76	1567 24	035 40	264 50	204.32	20.00	737.0	1383.24	817.15	580.00	50.00	600.00	8262 45	600 00	1214 40	14.70			
		i	SOUTH				FND	STATION	feet	OUTHBOUND ROADWA	115+61.23	135+31.75	140+17,51	155+84 75	165+20 23	167±84.75	160-04-75	474 . 22 20	17.17.32.30	185+15.60	193+32.75	199+32,75	199+82.75	205+82.75	288+45.20	294+45 2n	306+59 60	20:00		OTAI S THIS SUCET	
							START	STATION	feet	OUTHBOU	101+56.75	115+61,23	135+31.75	140+17,51	155+84.75	165+20 23	167+84 7F	168+34 75	174 . 22 . 7 . 7	1/1+32.35	185+15.60	193+52.75	199+32.75	199+82.75	205+82.75	288+45.20	294+45.20			OTALS THIS	

SURFACING QUANTITIES SHEET 7 OF 7

w 20

CROSSOVERS CROSSOVER VARIES ANG CROSSOVER CROSSOVER CROSSOVER CROSSOVER CROSSOVER CROSSOVER CROSSOVER VARIES ANG						,																										
CEMENT CONCRETE BINDER	PAVE	LTIC	ETE	9	SE	CK	AREA		אַט אַען	338.7	7.305	2000	330./	542.8	397.7	422.1	440 7	a vac	0.4.0	653.1	420.B	420.9	389.8	131.0	454.6	387.6	7 002	320.1	461.4	440.0	440.0	8125.6
CROSSOVER	SUPER	ASPHA	CONC	WEAR	COUR	7	AVG	WIDTH	feet	VARIES	VARIES	1/4 DIE 2	מונוטא	VARIES	VARIES	VARIES	VARIES	VARIES	מבומעיי	אייווביי	VARIES	VARIES	VARIES	VARIES	VARIES	VARIES	VAPIER	011111111111111111111111111111111111111	VARIES	VARIES	VARIES	
CEMENT CEMENT CONCRETE	RAVE	ALTIC	KETE	ב היו	102		AREA		sq yd	336.7	336.7	338.7	1	0.740	397.7	422.1	440.7	384.8	853.4	1000	420.9	420.9	389.8	131.0	454.6	387.6	528 1	7 707	401.4	440.0	440.0	8125.6
RUBBLIZIR PORTLAN CEMEN SSOVERS PAVEMEN CROSSOVER CROSSO	SUPE	ASPH	CONC	2 2	3 5		AVG	WIDTH	feet	VARIES	VARIES	VARIES	VADIES.	מוויים אין	VARIED	VARIES	VARIES	VARIES	VARIES	OLIG VI	יאלוויט	VARIES	VARIES	VARIES	VARIES	VARIES	VARIES	VADICE.	מוניים לי	VARIES	VARIES	
SSOVERS DESCRIPT OROSSOVER CROSSOVER CRO	IZING	AND	INT TITE	FNT	į	A LE V	3		sq yd	336.7	336.7	384.8	542 A	7 205	1,180	422.1	440.7	384.8	853.1	420.0	420.8	420.9	298.8	U. L	454.6	387.6	528.1	4F. &	200	1,000	440.0	B173.7
88.90	RUBBL	PORTI	CONCI	PAVER		2//0	D ACTOR	E OIM	1681	VARIES	VARIES	VARIES	VARIES	VARIES	0100//	אינונים אינו	VARIES	VARIES	VARIES	VARIES	VADICE	מוומיא	VARIES	ייייייייייייייייייייייייייייייייייייייי	VARIES	VARIES	VARIES	VARIES	VARIES	70000	VARIED	
SURFACING CROSSI CROSSI STATION feet 143+57.96 149+16.00 181+20.00 181+20.00 181+20.00 203+73.00 206+83.00 223+23.00 223+23.00 223+23.00 223+23.00 223+23.00 224+60.00 254+60.00 254+60.00 254+60.00 264+60.00 277+37.00 276+80.00 277+80.00 264+60.00 264+60.00 264+60.00 264+60.00 264+60.00 277+37.00			QUANTITIES	OVERS			DESCRIPT		11,100000	CACCOCOVER	CHOSSOVER	CHOSSOVER	CROSSOVER	CROSSOVER	CROSSOVER	רביי יכים יכוני	מוני ממספסעים	CROSSOVER	CROSSOVER	CROSSOVER	CROSSOVER	CROSSOVED	CROSSOVER	מבויונים מכונים	מוניים ליוניים ליונים ליוניים ליונים	CROSSOVER	CKUSSOVER	CROSSOVER	CROSSOVER	CROSSOVED	מומסססיבור	
			SURFACING (CROSS			STATION	fapt	1/131E7 DE	44044	1454 10,00	130+63.00	181+20.00	188+58.00	194+32.00	203+73.00	SUBTES AD	20.00.00.00	212+37.00	223+23.00	227+85.00	235+87.00	236+32.00	244+60 pp	254+00.00	200.00	202139.00	276+80.00	277+37.00	286+03.00		

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STRIPS	SHOLL DEBE	2	INSIDE OUTSIDE		201	ממ	0.423	2000	0.230	0.483	
RUM	בוכול.	5	INSIDE		H		0.423	200	0.230	0.483	2 4 4 4
SUPERPAVE ASPHALTIC CONCRETE SHOULDER COURSE 2" THICK	SHOULDERS		AREA		SO VO		2482.2	220g R	1	4533.3	0000
SUPEI ASPH CONC SHOU COU			AVG	HIGH	feet		10.0	16.0		10.0	
COLD PLANING ASPHALTIC PAVEMENT 2"AVG DEPTH	SHOULDERS		AREA		sq yd	2,130	7057	2210	AFOR	4000	9225
CC PLA ASPI- PAVE 2" DE		0.14	9 6	יאום א	feet	10.0	0.21	16,0	18.0	2	
		2	<u>.</u>			F C D		7, 57.4	F CP4		
		コトピンユニ	}	101	i c	2234.0		1243.0	2550.0		
SURFACING QUANTITIES RAMPS			DESCRIPT	-		KAM KA	DAMO "CO"	ואונאן	RAMP "RC"		
SURFACING	2,12		STATION	00	500.04.00	322+34,00	612+43 On	100.00	725+50.00		
	PAPA		STATION	feet	500+00 00	200.00	600+00.00	לחטבחח הח	י טטייטטיי		

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PARISH	EBR
STATE PROJECT	019-02-0051

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SHEET 1 OF 2

ITEM 202-02-C REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT TRAVEL LANES AT REQD PROFILE ADJUSTMENTS

REMOVE EXISTING SHOULDERS AT REQD PROFILE ADJUSTMENTS & TURN LANES ITEM 202-02-G REMOVAL OF SURFACING AND STABILIZED BASE REMOVE EXISTING SHOULDERS AT REOD GUARD RAIL PAVING

ITEM 202-02-1 REMOVAL OF STABILIZED BASE (6" THICK) TRAVEL LANE BASE AT REOD PROFILE ADJUSTMENTS

EXCAVATION FOR PROFILE ADJUSTMENT ITEM 203-01 GENERAL EXCAVATION

6" THICK SHOULDER BASE AT READ PROFILE ADJUSTMENTS & TURN LANE ITEM 302-02-B CLASS II BASE COURSE (6" THICK) 6" THICK BASE AT REOD GUARD RAIL PAVING

1343 CU YDS 1343 CU YDS

|| ^ || \ ||

ITEM TOTAL

3072.4 SQ YDS 4318.0 SQ YDS 7390.4 SQ YDS

ij

lf

ITEM TOTAL ==>

5830.4 SQ YDS 5830.4 SQ YDS

= ITEM TOTAL = = >

inch deep / inch deep / inch deep / inch deep / inch deep / inch deep inch deep

6.00

9600.0 81405.3 84605.3

4.00

sq yards X sq yards X sq yards X

2.00

sq yards X sq yards X sq yards X sq yards X

5599.8

lbs / sq yd / inch depth X

lbs / sq yd / inch depth X lbs / sq yd / inch depth X lbs / sq yd / inch depth X

20216.6 20267.7

lbs / sq yd / inch depth X lbs / sq yd / inch depth X

55555

16941.2

8.00 6.00 2.00

4800 SQ YDS 4800 SQ YDS

|| |3 || \rightarrow

TEM TOTAL

937.9 SQ YDS 4455.1 SQ YDS

\ !!

ITEM TOTAL

11 11

3517.2 SQ YDS

4800 SQ YDS

= ITEM TOTAL == >

4800 SQ YDS

TRAVEL LANE BASE AT RECD PROFILE ADJUSTMENTS, ACCEL LANE, & RT TURN LANE TEM 302-02-G CLASS II BASE COURSE (20" THICK)

lbs / sq yd / inch depth X TEM 502-01 SUPERPAVE ASPHALTIC CONCRETE TRAVEL LANES 6" AVG THICKNESS BINDER

IRAVEL, ACCEL, & RT TURN LANES 2" THICK WEARING 'RAVEL, ACCEL, & RT TURN LANES 4" THICK BINDER SHOULDERS 10" AVG THICK SHLDR COURSE SHOULDERS 8" THICK SHLDR COURSE

SHOULDERS 6" THICK SHLDR COURSE SHOULDERS 2" THICK SHLDR COURSE ITEM 502-01-A SUPERPAVE ASPHALTIC CONCRETE, DRIVES, TURNOUTS AND MISCELLANEOUS lbs / sq yd / inch depth X lbs / sq yd / inch depth X

CROSSOVERS 2" THICK WEARING COURSE CROSSOVERS 4" THICK BINDER COURSE

ADDITIONAL 10% FOR LEVELING REQUIRED GUARD RAIL PAVING DRIVEWAYS & TURNOUTS

ITEM 509-01-A COLD PLANING ASPHALTIC PAVEMENT (2" AVG DEPTH) COLD PLANING SHOULDERS

3168.0 TONS 17909.2 TONS 9306.6 TONS 3079.9 TONS 8917.8 TONS 893.8 TONS 6671.5 TONS 1863.5 TONS 50916.5 TONS 1102.5 TONS 1787.6 TONS lbs / ton = lbs / ton = lbs / ton = lbs / ton = lbs / ton == 11 lbs / ton = TEM TOTAL ==> lbs / ton = lbs / ton lbs / ton inch deep / 2000 inch deep / 2000 2000 2000 2000 2000 2000 2000

791.7 TONS 457.6 TONS 5033.2 TONS TEM TOTAL ==>

2.00

4.00

8125.6 sq yards X 8125.6 sq yards X

39587 SQ YDS ITEM TOTAL ==>

SURFACING QUANTITIES SUMMARY

PARISH EBR

STATE PROJECT 019-02-0051

SHEET 2 OF 2

45063 SQ YDS

4797 SQ YDS

7516 SQ YDS

ITEM 509-01-B. COLD PLANING ASPHALTIC PAVEMENT (4" AVG DEPTH) COLD PLANING TRAVEL LANES & SHOULDERS	
	ITEM TOTAL ==>[
I EW SUB-UT-C COLD PLANING ASPHALTIC PAVEMENT (6" AVG DEPTH) COLD PLANING SHOULDERS	
	ITEM TOTAL = = >
ITEM 509-01-D COLD PLANING ASPHALTIC PAVEMENT (7" AVG DEPTH) COLD PLANING TRAVEL LANES & SHOULDERS AT REQD PROFILE ADJUSTMENTS	TEM TOTA!
ITEM 734-01 RUBBLIZING PORTLAND CEMENT CONCRETE PAVEMENT RUBBLIZING TRAVEL LANES & EXIST TURN LANES RUBBLIZING CROSSOMEDS	
	II
ITEM S-001 RUMBLE STRIPS NORTHBOLIND ROADWAY	 TEM TOTAL = = >
SOUTHBOUND ROADWAY RAMPS	II
DEDUCT AT CROSSOVEDS DEWTWAYS 1 THE PROPERTY OF THE PROPERTY O	tf .
CONTROLLE CONTRO	li .
TEM C. DOA COANT TO THE TO CANTE TO THE TOTAL THE TOTAL TO THE TOTAL THE TOTAL TO T	= TEM TOTAL = = >
PROFILE ADJUSTMENT - NORTHBOUND ROADWAY PROFILE ADJUSTMENT - NORTHBOUND ROADWAY	
THE STATE OF THE CONTRACT OF T	łł (r
ITEM S-008 RAP TREATED INTERLAYER (4" THICK) INTERLAYER AT TRAVEL LANES & SHOULDERS	ITEM TOTAL = = > [

49378 SQ YDS 8174 SQ YDS 57552 SQ YDS

6.874 MILES 5.920 MILES 2.282 MILES

-1.892 MILES 13.2 MILES

55123 GALLONS 45936 SQ YDS 3696 LIN FT 1848 LIN FT 5544 LIN FT ITEM TOTAL = = > ITEM TOTAL ==> TAL = =>

1515.9 CWT ITEM TOTAL = = >

VOLUME OF EMULSION FOR INTERLAYER 4 INCH THICK BASED ON 3% BY WEIGHT (FOR INFORMATION ONLY) 45936.1 sq yards x 9 sq feet per sq yard x 4 inch thick / 12 inches per foot x 110 lbs per cu ft x 3% / 8.25 lbs per gallon = 55123 gallons emulsion

ITEM S-009 ASPHALT EMULSION FOR RAP TREATED INTERLAYER

ITEM S-010 LIME FOR RAP TREATED INTERLAYER

45936.1 sq yards x 9 sq feet per sq yard x 4 inch thick / 12 inches per foot x 110 lbs per cu foot x 1% / 100 lbs per CWT = 1515.9 CWT lime WEIGHT OF LIME FOR INTERLAYER 4 INCH THICK BASED ON 1% BY WEIGHT (FOR INFORMATION ONLY)

NOTE: IN-PLACE DENSITY OF COMPLETED INTERLAYER IS TAKEN AS 110 LBS PER CU FOOT (FOR INFO. ONLY)

CROSS DRAIN PIPE (EXTENSION) (TYPE 3 JTS) 18" RCP LIN, FEET SHEET 47 SIDE R PIPE TTYPE 2 JTS) 9 8 BATON ROUGE COLLAR EACH PARISH TYPE 1 TYPE 2 EACH EACH CROSS DRAIN SAFETY END ш TYPE 1 TYPE 2 TEACH PROJECT NUMBER SIDE DRAIN SAFETY END 019-02-0051 CLEAN EXISTING DITCHES LIN. FEET 200 ADJUST CATCH BASINS EACH SIDE DRAIN PIPE 24" RCP LIN. FEET 24 32 REMOVE HEADWALL AND WINGS REMOVE CATCH BASINS EACH STANDARD PLAN OR SPECIAL DETAIL SETS02 SETCRD2 SETSD1 SETCRD2 SETSD1 SETSD1 SETSD1 REMOVE EXISTING CB - RIGHT
REQD SAFETY END ON 30" RCP SIDE DRAIN - RIGHT
REMOVE EXISTING 24" RCP X 24' SIDE DRAIN PIPE - RIGHT
REQD 30" RCP X 16' SIDE DRAIN PIPE (STUB-IN TO XDRAIN) - RIGHT REMOVE EXISTING 24" RCP X 32' SIDE DRAIN PIPE - RIGHT REQD 30" RCP X 40' SIDE DRAIN PIPE (STUB-IN TO XDRAIN) - RIGHT REMOVE EXISTING CB - RIGHT DRAINAGE STRUCTURES CLEAN EXISTING DITCH STA 235+78 TO STA 237+78 REMARKS (NOTES 1, 2) 92 REOD SAFETY END ON 48" RCP CROSS DRAIN REQD SAFETY END ON 48" RCP CROSS DRAIN SHEET / OF 91 REQD SAFETY END ON 15" CMP SIDE DRAIN 90 REOD SAFETY END ON 24" CMP SIDE DRAIN REOD SAFETY END ON 15" CMP SIDE DRAIN 81 REQD SAFETY END ON 15" RCP SIDE DRAIN EXIST 84" RCP CROSS DRAIN TO REMAIN R 10 EXIST 96" RCP CROSS DRAIN TO REMAIN EXISTING MEDIAN CB TO REMAIN 245+87 M 48 EXISTING MEDIAN CB TO REMAIN ADJUST EXISTING CB - RIGHT 43 ADJUST EXISTING MEDIAN CB 12 ADJUST EXISTING CB - RIGHT 87 ADJUST EXISTING CB - LEFT 88 ADJUST EXISTING CB - LEFT 89 J 8 88 ທ⊢ແ⊐ບ⊨ # s — 🗅 Ш RKK œ ч ď 165+68 235+78 152+18 152+21 152+33 152+37 242+15 152+48 152+68 152+72 152+85 166+06 179+18 179+95 191+29 234+63 165+31 236+61 134-12 187+16 202+66 211+11 \leftarrow ~ o z

DRAINAGE STRUCTURES SHEET ZOF 3

SHEET A. W

E. BATON ROUGE PARISH

PROJECT NUMBER 019-02-0051

				,				, .			,										
	CROSS DRAIN PIPE (EXTENSION) (TYPE 3 JTS)	RCP LIN, FEET																			•
	SIDE DRAIN PIPE (TYPE 2 JTS)	LIN. FEET																			56
	CONC	EACH																			2
	CROSS DRAIN SAFETY END	CH EACH																1		+	2
		ACH EACH										-			+			-			3
	SIDE DRAIN SAFETY END	EACH EACH	-				-		-				+		-		-				13
	CLEAN EXISTING OTTCHES	LIN. FEET																	1800		2000
	ADJUST CATCH BASINS	EACH						-													9
	REMOVE SIDE DRAIN PIPE 24" RCP	LIN. FEET																			28
	REMOVE HEADWALL AND WINGS	ЕАСН							-		-					-				,	
	REMOVE CATCH BASINS	EACH																			7
,	STANDARD PLAN OR SPECIAL DETAIL NUMBER	SETSD1	SETSD1	SETSD1	SETSD1	1001	100	SETSD4		SETCRD1	0	200 30	SETSD1		SETSD1	SETCHA	מרומה	SETSD2	ENGINEER	TOTAL	
-	S R I I REMARKS (NOTES 1, 2) #	L 80 REOD SAFETY END ON 15" RCP SIDE DRAIN	280+67 R 67 REQD SAFETY END ON 18" RCP SIDE DRAIN	282+04 R 68 REQD SAFETY END ON 24" CMP SIDE DRAIN	282+51 R 69 REQD SAFETY END ON 24" RCP SIDE DRAIN	283+36 L 78 REMOVE EXIST HEADWALL & WINGWALLS ON 24" RCP SIDE DRAIN 283+36 L REQD SAFETY END ON 24" RCP SIDE DRAIN		284+88 R 71 REGD SAFETY END ON 24" RCP SIDE DRAIN	72 REMOVE EXIST HEADWALL & WINGWALLS ON 18" RCP CROSS DRAIN	R REQD SAFETY END ON 18" RCP CROSS DRAIN	287+44 R 73 REMOVE HEADWALLS & WINGWALLS ON 3' X 3' RCB SIDE DRAIN 287+44 R REQD SAFETY END ON 3' X 3' RCB SIDE DRAIN	R 74 REMOVE EXIST HEADWALL & WINGWALLS ON 18" RCP SIDE DRAIN	,	288+51 R 75 REMOVE EXIST HEADWALL & WINGWALLS ON 18" RCP SIDE DRAIN 288+51 R REQD SAFETY FND ON 18" RCP SIDE DRAIN	25 DEMONIT THAT I THE TAIL OF THE PARTY OF T	R REQD SAFETY END ON 18" RCP SIDE DRAIN		NIPAIN CALL FIND ON 42 CMIT SIDE DRAIN	ADDITIONAL DITCH CLEANING TO BE USED AS DIRECTED BY PROJECT EN	1,101	

1 REQUIRED JOINT TYPES ARE SHOWN IN PARENTHESIS AT COLUMN HEADERS. EXAMPLE: CROSS DRAIN PIPE (EXTENSION) (TYPE 3 JTS)
2 FINAL CATCH BASIN LOCATIONS, GRATE ELEVATIONS, AND PIPE INVERTS SHALL BE DETERMINED BY CONTRACTOR AND AS APPROVED BY PROJECT ENGINEER. NOTES:

56

SHEET NO	A. O.L.	
PARISH	EBR	
STATE PROJECT	019-02-0051	

DRAINAGE STRUCTURES SHEET 3 OF 3

MATERIAL TYPE ABBREVIATIONS	BITUMINOUS COATED CORRIGATED STEEL DIDE	BITUMINOUS COATED CORRUGATED STEEL PIDE ADOLU	CORRUGATED ALUMINUM PIPE	CORRUGATED ALUMINUM PIPE ARCH	ATCH BASIN	CROSS DRAIN PIPE	CROSS DRAIN PIPE ARCH	CORRUGATED METAL PIPE	CORRUGATED METAL PIPE ARCH	CORRUGATED POLYETHYLENE CITIVERT DIDE	CORRUGATED GALVANIZED STEEL DIDE (NO COATING)	CORRUGATED GALVANIZED STEEL DIDE ABOUTING	FIBER BONDED BITUMINOUS COATED CORPIGATED STEEL PIPE	FIBER BONDED BITUMINOUS COATED CORRIGATED STEEL PIPE	ANHOLE	POLYMER COATED CORRUGATED STEEL PIPE	POLYMER COATED CORRUGATED STEEL PIPE ARCH	PRECAST REINFORCED CONCRETE ROX CIII VERT	POLYVINYL CHLORIDE CULVERT PIPF	REINFORCED CONCRETE BOX CULVERT	REINFORCED CONCRETE PIPE	REINFORCED CONCRETE PIPE ARCH	RIBBED POLYETHYLENE CULVERT PIPF	RIBBED POLYVINYL CHLORIDE CIJI VERT PIPE	DE DRAIN	IDE DRAIN ARCH	STORM DRAIN PIPE	STORM DRAIN PIPE ARCH
MA	BITUMINOUS COA	BITUMINOUS COA	CORRUGATED AL	CORRUGATED AL	CATCH BASIN	CROSS DRAIN PIF	CROSS DRAIN PIF	CORRUGATED ME	CORRUGATED ME	CORRUGATED PC	CORRUGATED GA	CORRUGATED GA	FIBER BONDED BI	FIBER BONDED BI	MANHOLE	POLYMER COATE	POLYMER COATE	PRECAST REINFO	POLYVINYL CHLO	REINFORCED COI	REINFORCED COI	REINFORCED COI	RIBBED POLYETH	RIBBED POLYVIN	SIDE DRAIN	SIDE DRAIN ARCH	STORM DRAIN PIF	STORM DRAIN PIF
	BCCSP	BCCSPA	CAP	CAPA	CB	CDP	CDPA	CMP	CMPA	CPECP	CSP	CSPA	FBBCCSP	FBBCCSPA	MH	PCCSP	PCCSPA	PRCB	PVCCP	RCB	RCP	RCPA	RPECP	RPVCCP	SD	SDA	SDP	SDPA

MINIMUM SP/	ACING FOR MI ARCH	MINIMUM SPACING FOR MULTIPLE LINES OF PIPE OR ARCH PIPE	OF PIPE OR
ROUND PIPES	PIPES		DEC
			0
DIAMETER	MINIMUM	ROUND EQUIVALENT	MINIMUM
	SPACING	SIZE	SPACING
18" thru 36"	1'-3"	18" thru 36"	1'-3"
42"	1'-5"	42"	1.5"
48"	1'-7"	48"	- 1- - 1- - 1- - 1- - 1- - 1- - 1- - 1-
54"	1'-9"	54"	1.101
09	1-11"	60"	21.016
99	2'-0"		2.2"
72"	2'-0"	72"	2"3"
78"	2'-6"	78"	2'4"
84" & Larger	3'-0"	84"	2'-7"
		.06	2'-9"
		.,96	3'-0"
		102" & Larger	4'-0"

MISCELLANEOUS SUMMARIES

SHEET

PARISH E B R

STATE PROJECT 019-02-0051

SHEET 1 OF 2

	-										
	DISTANCE		MILES	0.6894	0.0307	0.1993	1.1455	0.4231	0.2354	0.4830	3.206
REMOVAL OF EXISTING MARKINGS	STATION STATION LOCATION	FEET FEET	101+56.75 137+96.75 US 61 NB ROADWAY	294+45.20 296+07.20 US 61 NB RRINGE #0100201251	296+07.20 306+59.60 115 61 NB POADWAY	101+56.75 162+04 75 111S 61 OR DOADWAY	500+00.00 522+34 nn Rans "Pa"		700+00.00 725+50.00 PAMP "DC"		TOTAL ==>>
	ST	LL.	101	294	겶	10	읂	90	100		

		_
	R SEALING RANDOM CRACKS FEET 950.0 50.0 1000.0 20.0 20.0 20.0	2000.0
S & CRACKS	CLEANING & RESEALING TRANSVERSE JOINTS LIN FEET 4368.0 1262.9 6513.6 2010.6 1118.7 2295.0	2
CLEANING & SEALING PAVEMENT JOINTS & CRACKS	CLEANING & RESEALING LONGITUDINAL JOINTS LIN FEET 3640.0 1052.4 6048.0 2234.0 1243.0 1243.0 15787.4	
NG & SEALING	LOCATION NB US 61 NB US 61 SB US 61 RAMP "RA" RAMP "RA"	1
CLEANII	STATION FEET 137+96.75 306+59.60 162+04.75 522+34.00 612+43.00	
	STATION FEET 101+56,75 296+07,20 101+56,75 500+00,00 600+00,00	

	PAY ITEMS	থ	QUAN'S		L	מדה	GUARD	1 1 4 4	1	PLANS	_			YICON CIN	AND WOLLD
		COMMENT		REQUIRED	02011020	עבייחועביי	KEGUIRED	חםם!!!סםמ		KEUNIKED	REGUIRED	C. 11. TO 12.1	EXISTING	UNITSIXE	CNILLIA
GUARD RAIL INSTALLATIONS	ממודכווסדפ	פאסוססיים	EXISTING DIED AT 1449 BALLE	EXICILIO DITO AT THE TANKE	EASTING FIER AT 1-110 RAMP	EXISTING RETAINING MAIL & DIED AT 1449 BALLE	PAINT OF THE THE PAINT OF THE PAINT	CAISTING COLUMNS AT PED OVERPASS	MEDIAN EXISTING PIER AT PEN OVERDAGE	EXISTING DIED AT DED OVERDARDS	משלבאם סבור בל יום ביות האווים ביות ביות האווים ביות ביות ביות ביות ביות ביות ביות ביות	EXISTING BRIDGE #0190204321 BAKED CANAL	EXICTING DOING MOVED 1967 TOTICE CHICKLY	CONTROL BY 190204322, BAKER CANA	EXISTING BRIDGE #0190204551, US 61 OVER 1 A 964
	SIDE	!	RIGHT	MEDIAN	200	LEFT	니다	ומוע	MEDIAN	LEFT		<u>.</u>	FICH		LEFT
	STATION	J	7113+90.00	114+40 00	200.0	116+34.00	125+50 00	00'00'02'	125+50.00	125+50.00	00 27 700	7244467	296+07 20		302+28.60

	AREA		SQ YARD	38.9	840.0	878 0
FORESLOPE REPAIR	REMARKS			ALCH CROSS DRAIN	A EXISTING 96" CROSS DRAIN	TOTAL ==>>
Œ	SIDE		THUID	1	RIGH	
	STATION	FEET	152+25 nn	480.00.00	103-00-00	
į	STATION STATION	FEET	152+00.00	184+7R On	70.02	

* INCLUDES 1.4 SWELL FACTOR

_																								
			VEHICULAR	VOLUME.	CU YARD	102	1116	75	490	88	10	2	686	22	48	2 6	1004	5	m	156	470	0/1	37	96
	BORROW		i i	CONTINE	FORESI OPES AT NB BOARISMY	FORESI ODES AT NO BOADWAY	FORESI OPES AT NO DOSCUL	FOREST OF AT PROF.	TOPER OF THE WIND ACCEL LANE	FUNESTUPE AT RECID ACCEL LANE	INEPAIR FORESLOPE AT XDRAIN	REPAIR ENDER! ODE AT VOOA!	FORTE OFFE ST	FORES AL SE ROADWAY	FURESLUPES AT SB ROADWAY	FORESLOPES AT SR POAPIWAY	FORESI OPE AT DEON DE 1 AND	FOREST ONE AT PEOP RE			FORESLOPES AT RAMPS	FORESI OPES AT DAMPS	APPLICATION TO THE PROPERTY OF	ADDLAI DRIVES & IURNOUTS
		TYPICAL	OR C	LOCATION	AA	B.C	Q	0-0		2000	AURAIIA	XDRAIN	۵۵		3	B, BB,C	<u> </u>	11-11	1 00 00	אא אואיור	RAMP RB	RAMP RC		!
		STATION		FEET	135+31.75	294+45.20	306+59.60	239+75.00	241+40 00	152+25 00	136.50.00	169+68.00	135+31 75	153458 63	00.00	294+45.20	237+34.00	238+99.00	521+R4 00	00.10.100	D24+93.12	713+62.00	1	
		STATION		FEET	106+58.00	137+96.75	296+07.20	235+63.00	239+75.00	152+00 00	20.00	164+28.00	115+61.23	140+17 51	1	10.4+06.63	235+84.00	237+34.00	500+00 00	000000	000100	700+00.00	1	

MISCELLANEOUS SUMMARIES

PARISH SHEET

STATE PROJECT 019-02-0051

SHEET 2 OF $\it Z$

	TEMP HAY BALES	EACH		1	I	1	1	i	1	1	168	175	343
	TEMP SILT FENCING	LIN. FEET	2873	16863	1971	1341	14087	2234	1243	2550	,	7,000	43162
TEMPORARY EROSION CONTROL	REMARKS	Seat No Co. Co. Co. Co. Co. Co. Co. Co. Co. Co			-	+	+-	612+43.00 RAMP "RR"	RAMD "PC"		OUTFALL CHECK DAMS	CALCH BASIN INLETS	TOTALS ==>>
	STATION	135+31 75	306+59 60	135+31.75	153+58.63	294+45.20	522+34.00	612+43.00	725+50 00				
	STATION	106+58.35	137+96,75	115+61,23	140+17.51	153+58.63	500+00.00	600+00+00	700+00.00				

	TOTAL	LENGTH		1 6496	4013.4	2104.8		1970.5	1567.2			4468.0	2486.0	5100.0	20570
JOINTS	COUNT				- -	7					ľ	7	2	2	
LONGITUDINAL SHOULDER JOINTS	REMARKS			ROADWAY	ROADWAY		ROADIMAY		KOADWAY		RAMP "DA"	מין שאיים	בא אווייור	RAMP "RC"	
LONGITUDIN	STATION	FEET		135+31,75	306+59.60		135+31.75	15518775	07.40.001		522+34.00	612+43 On	707.70.00	725+50.00	
	STATION	FEET	UNDOBLI NON	106+58.35	296+07.20	SOUTHBOUND	115+61.23	140+17.51		RAMPS	500+00.00	600+00.00	700-00-007	00.00	

j			HANDICAP RAMPS	MPS				
STATION	i C		TYPE OF RAMP	REMOVAL	REMOVAL	CONCRETE	CONCRETE	CONCRETE
FE	SIDE	LOCATION	DRIVEWAY CORNER TYPE TYPE	ER WALKS &	CURBS	(4" THICK)	CURB (MOUNTABLE)	CURB (BARRIER)
103+04.59	æ	SE QUADRANT "MILLS AVE"	- 1		LIN. FEET	SQ YDS	LIN. FEET	LIN FFFT
104+10.19	ፎ			18.7	28.0	18.7	28.0	0.0
106+53.07	7	SW CORNER "MILLS AVE"		18.7	28.0	18.7	28.0	0.0
107+16.43	۳			10./	28.0	18.7	28.0	0:0
107+16.43	Σ	MEDIAN AT "CENTRAL RD"	, -	10.7	28,0	18.7	28.0	0.0
107+37.55		NW CORNER "MILLS AVE"	,	16./	28.0	18.7	28.0	0.0
110+33.23		SW CORNER "CURLEW ST"	, ,	16.7	28.0	18.7	28.0	0.0
111+07.15		NW CORNER "CURLEW ST"		10.7	28.0	18.7	28.0	0.0
113+71.15		NW CORNER "FLICKER ST"		18./	28.0	18.7	28.0	0.0
113+71.15	<u>ا</u> ر۔ا	SW CORNER "FLICKER ST"		18.7	28.0	18.7	28.0	000
116+87.95	 	NW CORNER "KINGFISHER AVE"	> =	18./	28.0	18.7	28.0	0.0
116+98.51	_ _ _	SW CORNER "KINGFISHER AVE"	2 0	18.7	28.0	18.7	28.0	0.0
138+21.07	 	NW CORNER "BLOUNT ROAD"	2 0	10./	28.0	18.7	28.0	0.0
152+46.67		SW CORNER "WILLIAMS RD"		18./	28.0	18.7	28.0	0.0
152+46.67	 	INW CORNER "WILLIAMS RD"		0.7	10.0	6.7	10.0	0.0
	1	ADDL FOR SIDEWALK REPAIRS	1	7.00	10.0	6.7	10.0	0.0
		ADDL FOR CURB REPAIRS		8.000		888.9		
			7				1000.0	1000.0
			2	1145	384.0	1145.4	1384.0	1000.0

10:20:28 DATED 01/22/09

SHEET NO.		TOTAL	1111100																			***************************************												
I PARISH E BATON ROUGE	QUANTITY	S.P. NO.	4,800	1,145	384.0	101	4,800.0	7	256		1,343	4.243		343	43,162	7,390.4	5,830.4	200.0		800.0	50,916.5	5,033.2	39.587	45,063	4,797	7,516		1,300	16.767	17,569	2,060		85.0	
STATE PROJECT 019-02-0051		TIND	Ш	COVD T.NIETT	SOYD	LNFT	GXOS	HACH	LINET					EACH	T HANT	SQYD	SOYD	SOYD		COXD	TON	ZO.	SOYD	SOYD	CXOS	CINT CITY		SQYD	LINFT	LNFT	SOYD		c SOYD	
F. A. P. NO. NH-1705(513)	ITEM NO. ITEM	REMOVAL OF PORTLAND CEME	REMOVAL OF CONCRETE	REMOVAL OF CONCRETE CURE	REMOVAL OF	REMOVAL OF STABILIZED BASE	REMOVAL OF			203-01 GENERAL EXCAVATION	BORROW (VEHTCHE NEW PRINCE			TEMPORARY SILT FENCING	T HAGE COMPOSE /C"	CLASS II BASE			402-01 TRAFFIC MAINTENANCE AGGREGATE (VEHICULAR MEASTREMENT)	Gilbebalta a state of the	502-01-A SUPERPAVE ASPHALTIC CONCRETE, DRIVES, TURNOUTS AND MISCELLIAMECTIC	COT IN TAXABLE DESTRUCTION OF THE PROPERTY.	COLD PLANTING ASPHALITIC P	COLD	COLD PLANING ASPHALTIC P	CONTRACTOR RETAINED RECL	510-01-A PAVEMENT PATCHING (6" MINIMUM THICKNESS)	407-07-1		602-03 CLEANING AND SEALING RANDOM CRACKS	602-05-K-01 FULL DEPTH PATCHING OF JOINTED CONC PUMT (10" THICK) (16.0 SQ YDS & UNDER)	BPTH PATCHING OF JOINTED CONC PVMT (10" THICK) (15 1 48 8		12/19/07 GENERAL REVISION 07/08/08 ADD AND REVISE ITEMS 01/13/09 REVISED QUANTITIES
Making a strategier		m		Н		יין ניי	-1			⊣ শ ∧			r		H					H	H M	-					Н		m				_	rrl (XI M)

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SUMMARY OF ESTIMATED QUANTITIES			
	LIND	S.P. NO.	TOTAL
(A) (A) (A)	SQYD	330.0	COMMITTA
-	LNFT	20,570	
REINFORCED CONCRETE PIPE (EXTENSION) (18")	LINET	56	
	EACH	ZD [73	
	EA Cu		
TYPE	EACH	٦	
(TYPE 1	EACH	2	
END (TYPE 2)	EACH	13	
1 SYSTEMS		n	
JERDRAINS	LINET	26,770	
BEAM) (21-1-1/01		D) 1	
. 7 /T T C) (1.Temp	LINET	481.5	
យ្ឌ	LINET	562.8	
	EACH	4	
	EACH	4	
	CXÖS	1,145.4	
VIZABLE)	LNFT	1 384 0	
PARKI EIK)	LNFT	1,000.0	
AARRICADES	T.T.	TAME	
MARKINGS (24" WIDTH)	LINET	6,802	
MARKINGS (BROKEN LINE) (4" WIDTH)	LNET	864	
MARKINGS (BROKEN LINE) (4" WIDTH)	MILE	25 436	
ے ا⊆	MILE	45.467	
LEGENDS AND SYMBOLS (ONLY)	EACH	88	
NDS AND SYMBOLS	EACH	10	
PROJECT SITE LABORATORY (EQUIPPED)	HUMH		
		4	
	CGASO	84.7	
	LUMP	LUMP	
REVISION QUANTITIES			
COLLLAR CATCH BASI IN SAFETY IN SAVEMENT IN PAVEMENT IN PAVEM	THE BEAM'S (TYPE 1) SYSTEMS SYSTEMS SYSTEMS SYSTEMS STAILING END) (SINGLE THRIE ENDRY (BILDENT) THE BEAM'S (TRAILING END) (SINGLE THRIE ENDRY (BILDENT) THE BEAM'S (TRAILING END) (SINGLE THRIE ENDRY (BILDENT) THE BEAM'S (BILDENT) THRICADES TARRICADES TARRICADE	YPE 1 YPE 1 YPE 2 YPE	TABLE TABL

12/19/07 GENERAL REVISION 01/13/09 REVISED QUANTITIES

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DATED 01/22/09 10:20:28

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GE 49	TOTAL					
T PARISH E BATON ROUGE	QUANTITY S.P. NO. 019-02-0051 10 9	1,395 2,267 288 15.156 8.524	8 3.206 57,552 22	22 55 145 263 2 335	5.95 LUMP 13.2	2,000 2,000 5,544 4,000 878.9 150.0
STATE PROJECT 019-02-0051	UNIT	EACH INFT INFT MILE MILE EACH EACH	EACH MILE SQYD EACH	EACH LINFT LINFT LINFT EACH LINFT	ACRE LUMP MILE	EACH LINFT LINFT SOYD SOYD
F,	ITEM OBJECT MARKER ASSEMBLY (Type 2) REFIRCTORIZED BATGED (Type 3)	PAVEMENT STRIPLING (8" WIDTH) PAVEMENT STRIPLING (24" WIDTH) PAVEMENT STRIPLING (SOLID LI) PAVEMENT STRIPLING (SOLID LI) PAVEMENT STRIPLING (BROKEN L. PAVEMENT LEGENDS & SYMBOLS PAVEMENT LEGENDS & SYMBOLS PAVEMENT LEGENDS & SYMBOLS PAVEMENT LEGENDS & SYBOLS	RUBBLIZING PORTLAND CEMENT CONCRETE PAVEMENT MAILBOXES MAILBOX SUPPORTS (SINGLE)	TRENCHING AND BACKFILL,ING CONDUIT WITH CONDUCTORS (1" PEC SCHEDULE B0, W/2 - #14 AWG CONDUCTORS) LOOP DETECTOR UNDERGROUND JUNCTION BOX CONDUCTOR, 2C (LOOP LEAD-IN, #14 AWG)	HYDRO-SEEDING CONSTRUCTION LAYOUT RUMBLE STRIPS (GROUND-IN) DYNAMIC MESSAGE SIGN UNIT	CLEANING EXISTING DITCHES SAW CUTTING OF PORTLAND CEMENT CONCRETE PAVEMENT (10" DEEP) CLEANING CONCRETE CURB FORESLOPE REPAIR PAVEMENT & BASE REPAIR AT RUBBLIZED PAVEMENT (20" THICK) 12/19/07 GENERAL REVISION 07/08/08 ADD AND REVISE ITEMS 01/13/09 REVISED QUANTITIES
	TYZ9-16-B 729-16-C 731-02	732-01-C 732-01-E 732-03-A 732-03-A 732-04-A 732-04-C	734-01 735-01 735-02	736-01 736-02 736-09 736-10	739-01 740-01 S-001 S-002	S-003 S-005 S-005 S-005 3-007

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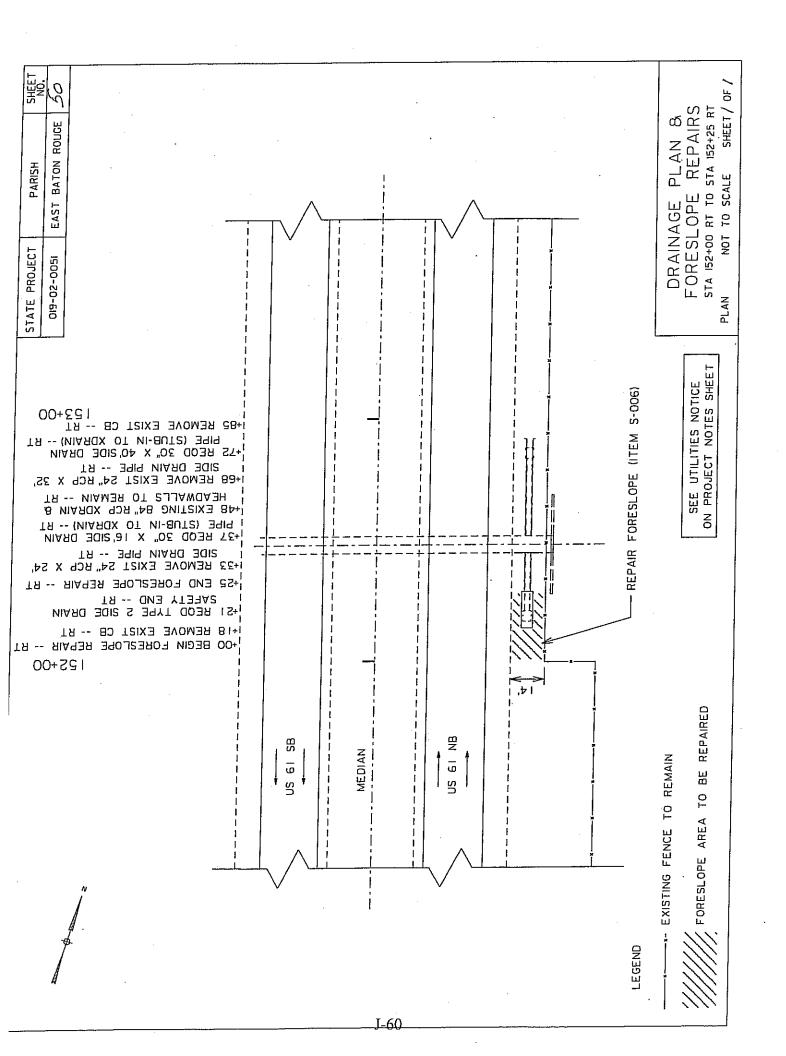
SE 49A			TOTAL	T.T.T.NEOO						
JUECT PARISH		1 1	T S.P. NO.	 	_	55,123		1,515.9		T 5.280
F. A. P. NO. STATE PROJECT NH-1705(513) 019-02-0051	SUMMARY OF ESTIMATED QUANTITIES	ITEM	J.	SOXD	ASPHALT EMULSION FOR RAP TPRACTED TRIBERT	GAL GAL	LIME FOR RAP TREATED TWIFFILEVER	CMI	SAW CUTITING ASPHALTIC CONFERTE DATCHES /cl FREES	LANT (ABER LATER PARTY BERNALD ABOVE BERNALD B
		ITEM NO.	S-00B		8-009		0.0-8		S-011	

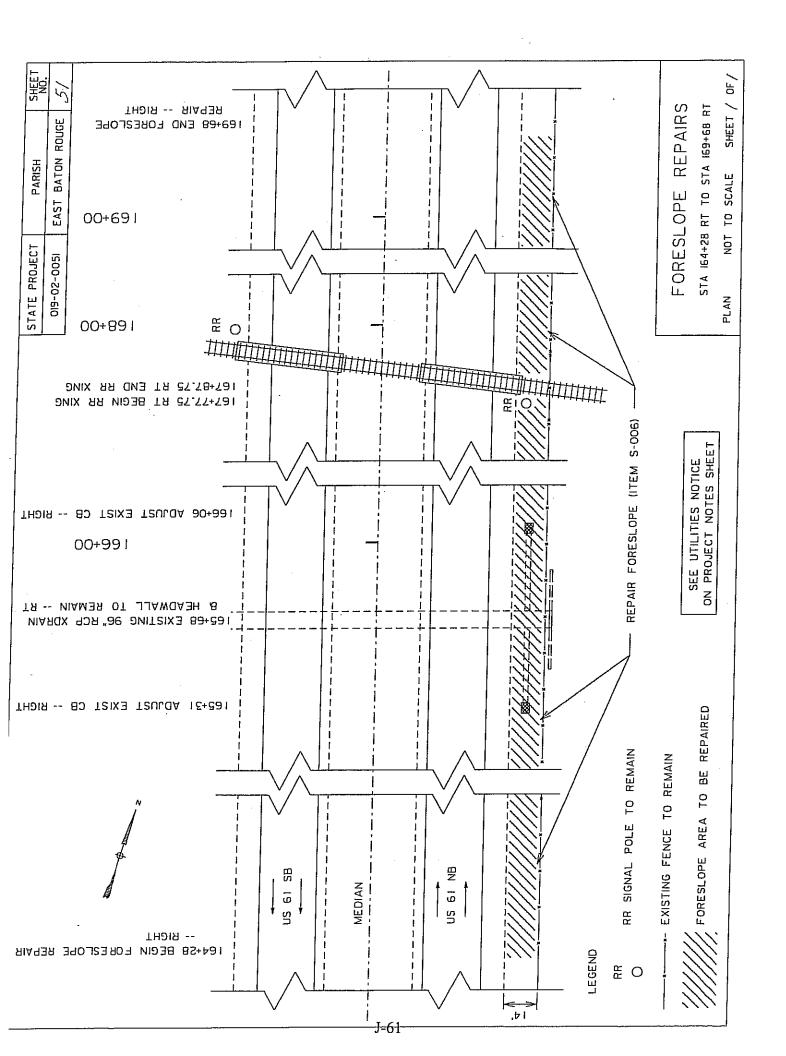
GENERAL REVISION ADD AND REVISE ITEMS REVISED QUANTITIES 12/19/07 07/08/08 01/13/09

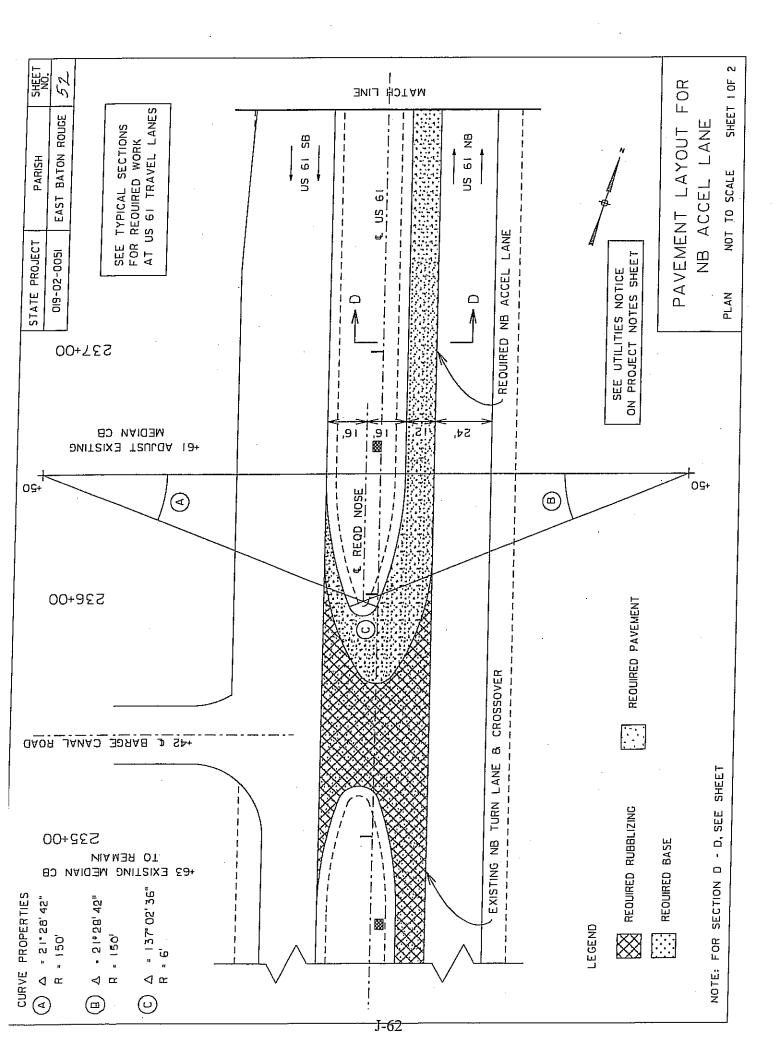
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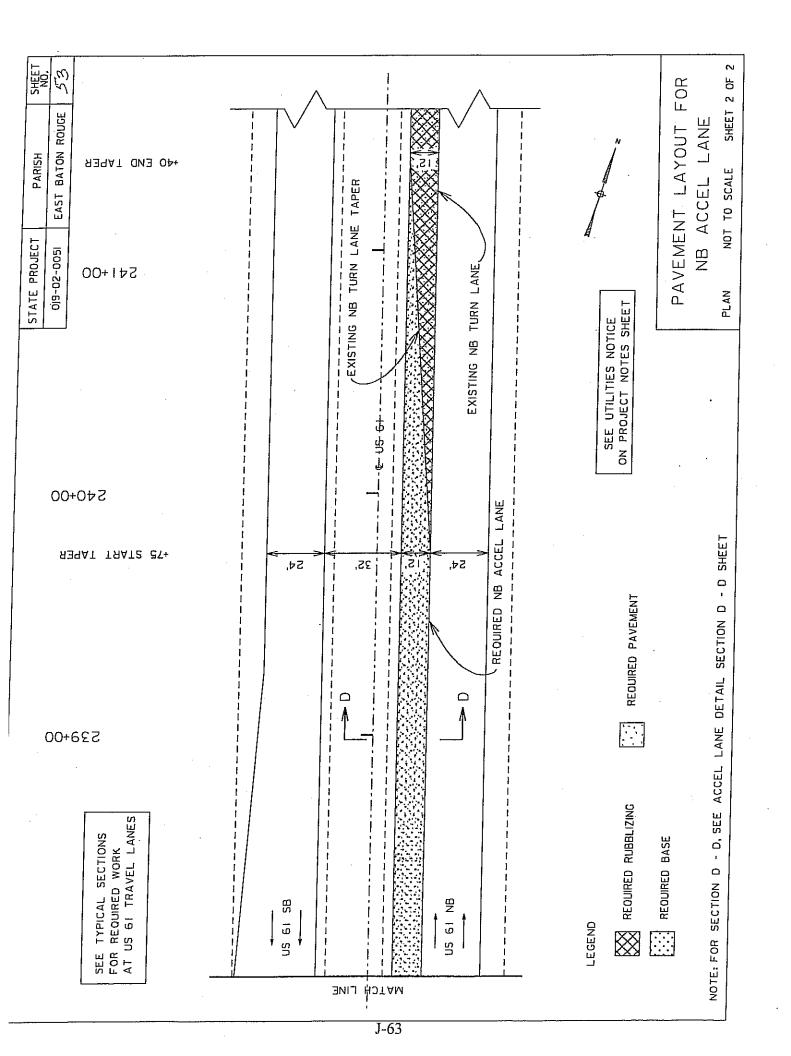
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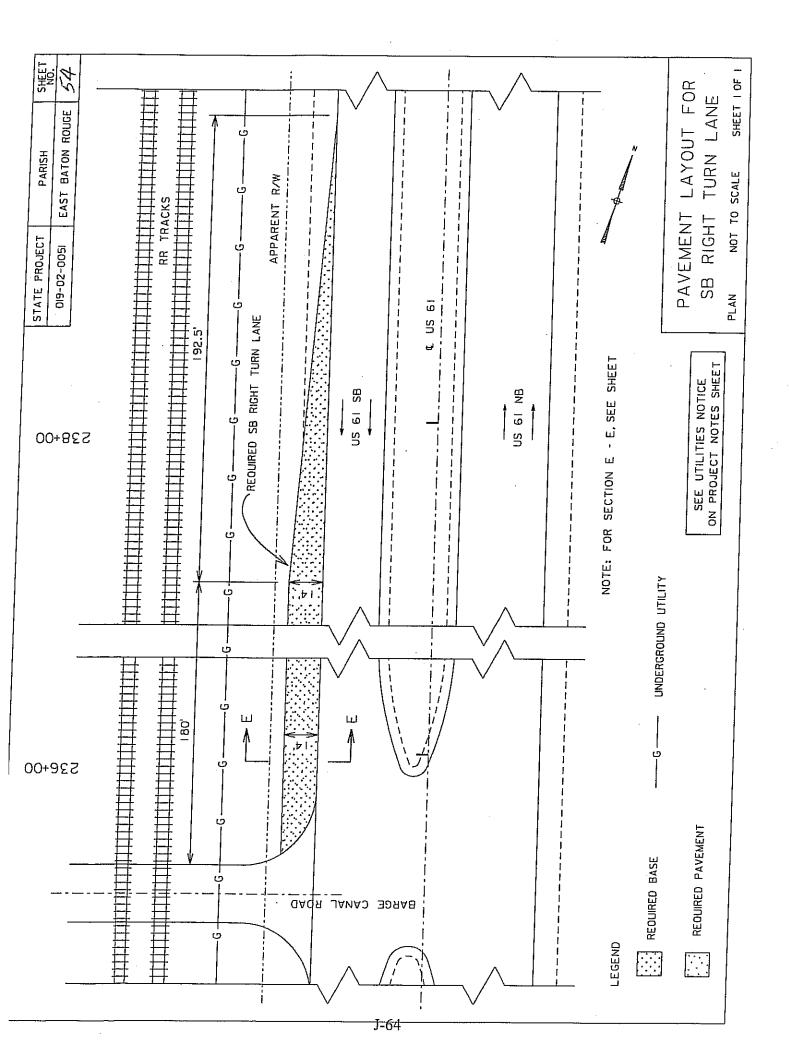
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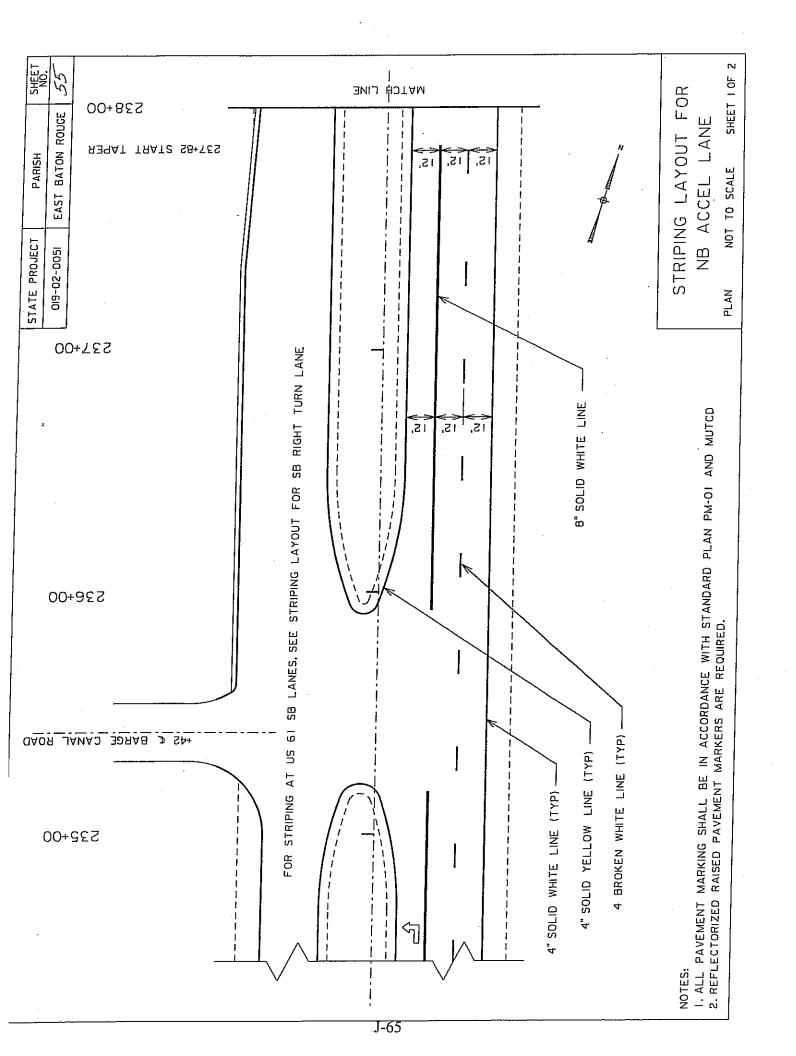


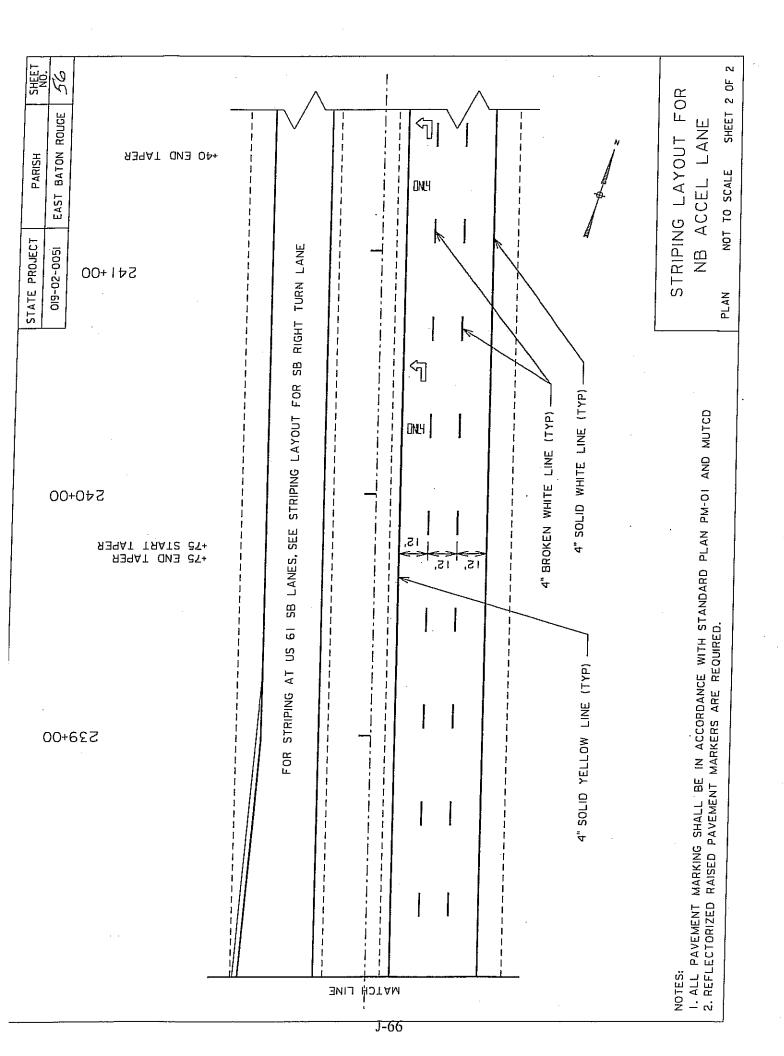


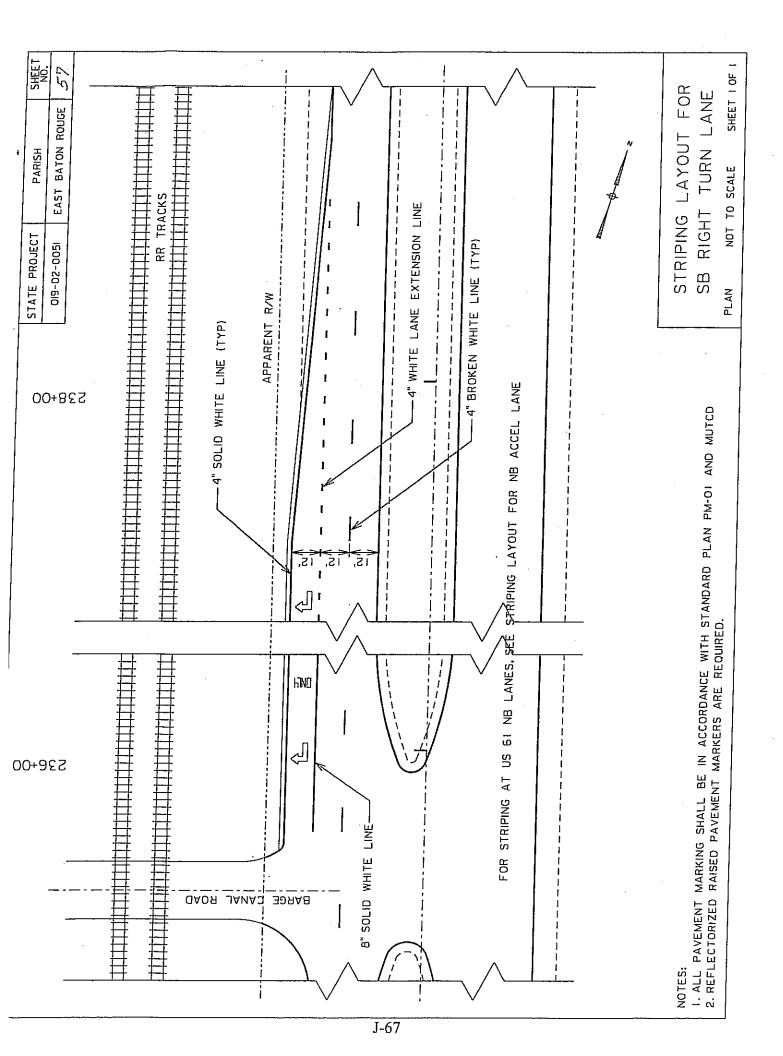


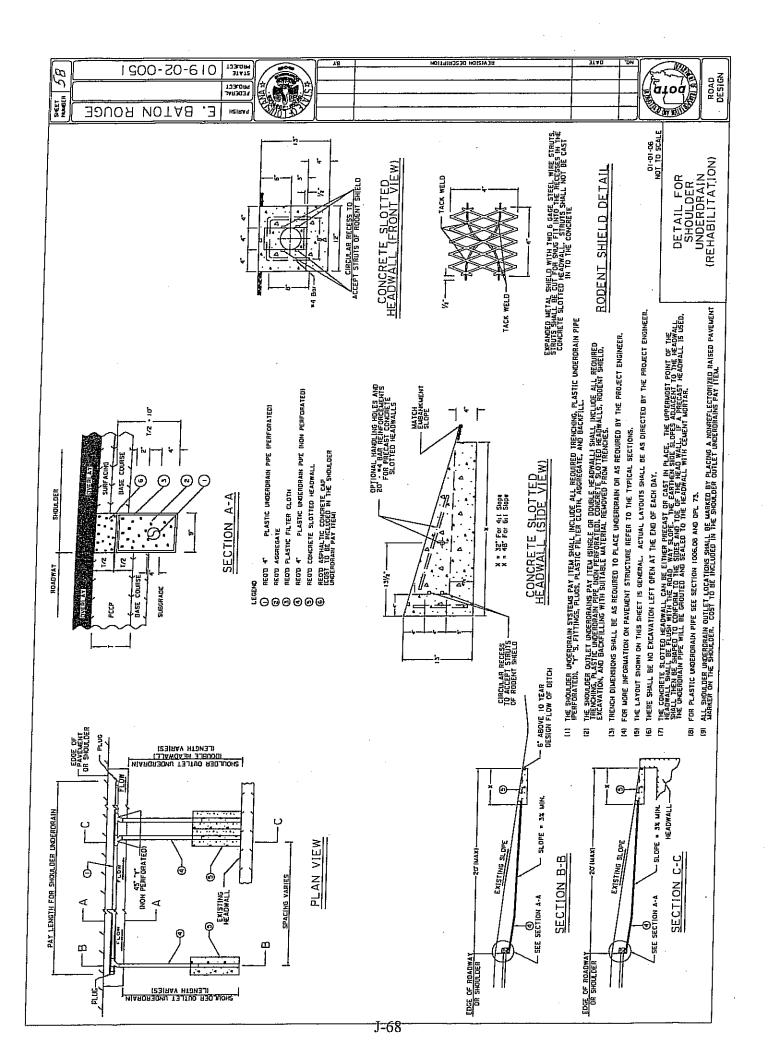


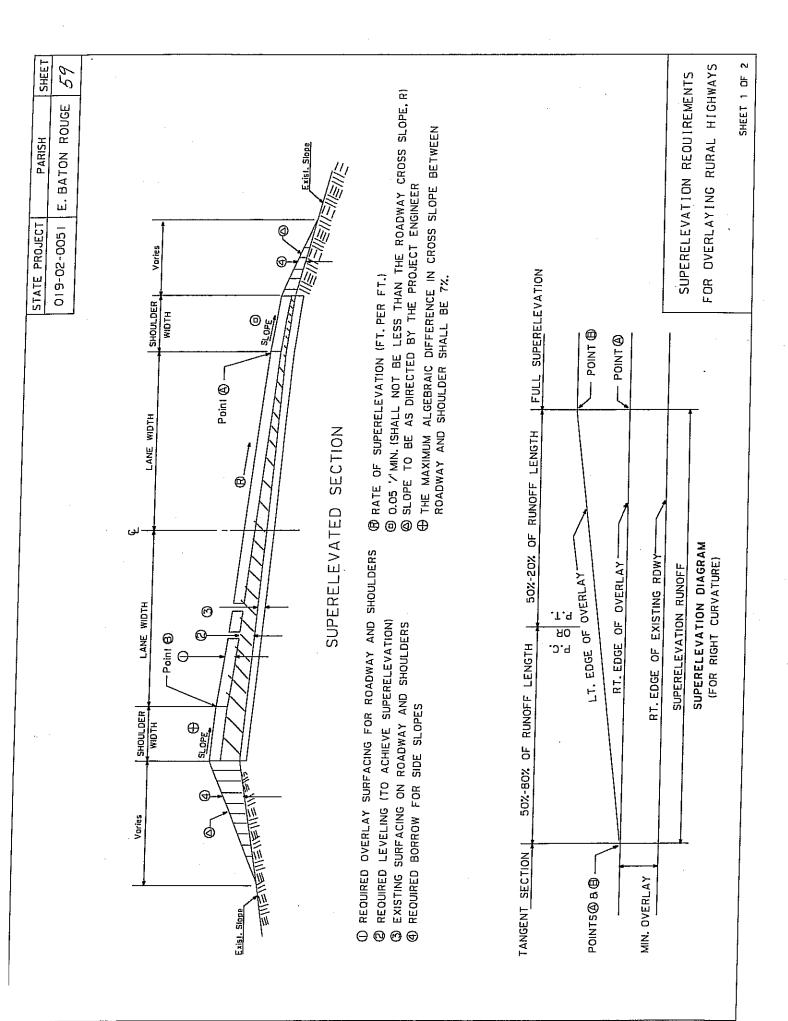












SHEFT	60
PARISH	E. BATON ROUGE
STATE PROJECT	019-02-0051

V V U U U V V 212 FOR SUPERELEVATION VALUES

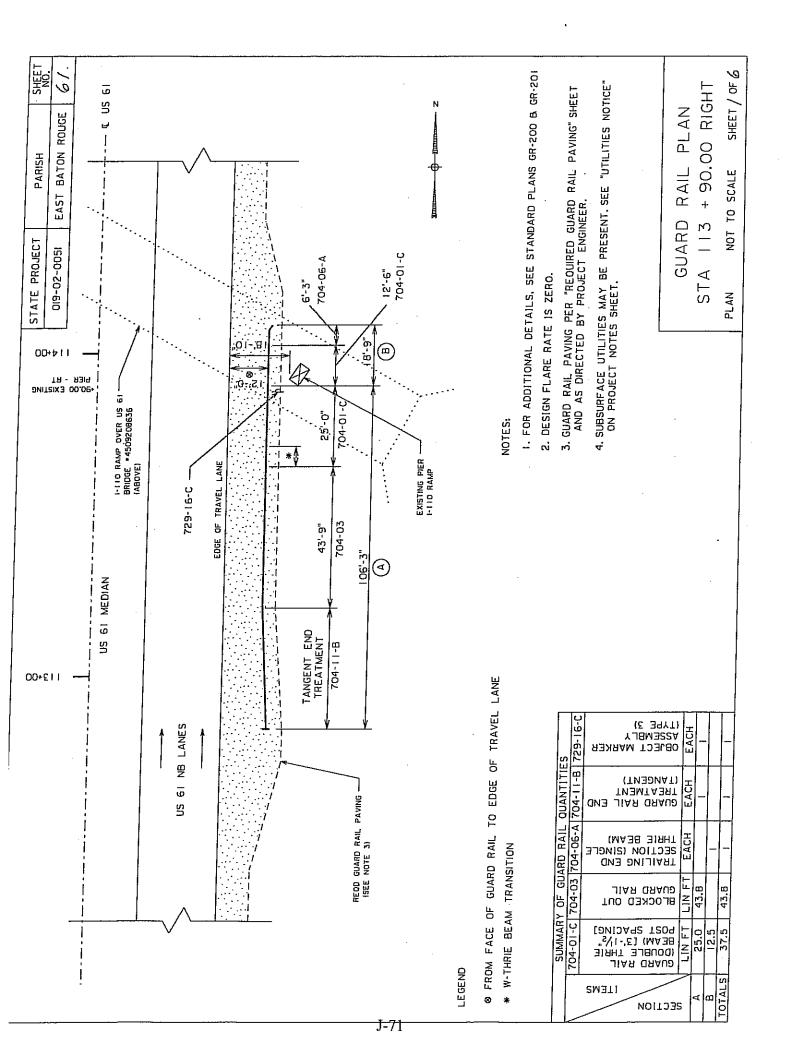
OVERLAY		MPH 55 MPH 60 MPH		AIN. DES. MIN. DES. MIN. DES. MIN. DES.		N.C. R.C. 160 N.C. R.C. 175		N.C028 160 N.C030		150 R.C. 069	180 R.C083	ZUU.042.092		150 240.080,100 205 255	190 240				SUPERELEVATION RUNDEFS ARE SHOWN FOR	S. FOR FOUR-LANE ROADWAY	SINEER,	EXCEPTIONS TO THE MINIMUM SUPERELEVATION VALUES	BE MADE WITH PROPER JUSTIFICATION BY F ENGINEER.
ALION VALUES FOR KUKAL	HDM	000	~	MIN. DES.		N.C.		140	140	140 N.C. 057	155 K.C072	140 150 K.C., U83	140 185 .036.092	140 200.062.098	140 210 .080 .100	<u>ر</u> ر	022 001 0		NOTES: 1. LENGTHS OF S	TWO-LANE RC LENGTH SHOU	PROJECT ENGINEER.	. 2. EXCEPTIONS 1	SHOWN MAT BE MADE W THE PROJECT ENGINEER.
	MPH 45		ע ע ע ע ע ע ע ע ע ע ע ע ע ע ע ע ע ע ע	MIN. UES.			יַ	27 2	521			ָבֵּי הַ	75	001 100	080 251	25 200 080 051	125	120	170 210	5			
	40	2	N DES MINI DES	NIIN.	ַב בּב עיייני	וייני ואיני עייני ואיני עייני ואיני		IN N.C.			Z	Z				. J	165 .05	0.	175 .08	180	120 185	061 091	
	35 MPH	œ	MIN. DES. MIN. DES MIN DES MIN	Z	2	Z		OO N.C. B.C.		100 N.C. 042	100 N.C051	100 N.C. 058	100 N.C. 065	ı	R C 077		085		140 .033.090 115	150 .050 .051	50.275.095	170,080,100	180
- 1	30 MPH	R	MIN. DES. MIN. DE	N.C. N.C.	N.C. N.C.	N.C.	N.C.			N.C033	N.C040	N.C. 046	N.C053	N.C058		-	N.C072	R.C078 100 1	R.C080 100 14	R.C083 100 P	R.C089 100 18	.028.093 100	001
			.2	0 2	0.30	0"45' N	1	2°00' N	3.00°E	4"00' N	5.00' N	6,00°	7.00	8°00' N	9.00	10°00' N	1 1°00' N	12°00′ R	13°00′ R	14°00′ R	16°00' R	18,00,	20°8UP.050.100

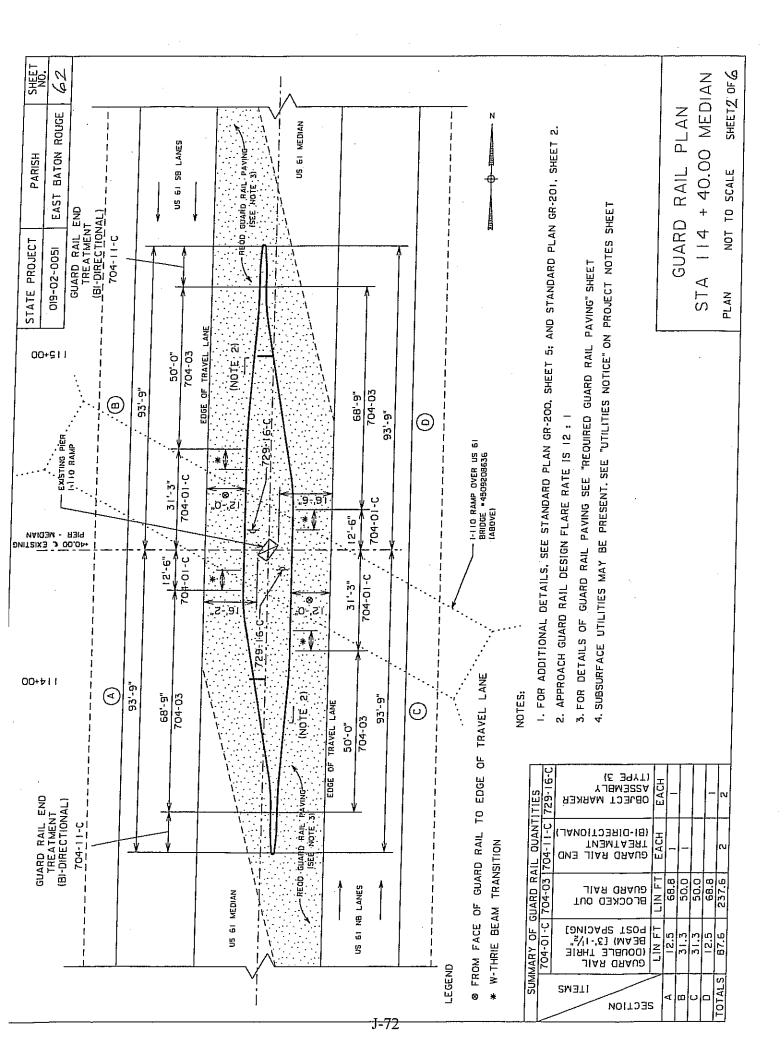
R * RATE OF SUPERELEVATION (FT. PER FT.)
L * LENGTH OF SUPERELEVATION RUNOFF (FT.)
D * DEGREE OF CURVE
MPH * MILES PER HOUR (DESIGN SPEED)
MIN. * MINIMUM DESIGN
DES. * DESIRABLE DESIGN
N.C. * NORMAL CROWN SECTION
R.C. * REMOVE ADVERSE CROWN, SUPERELEVATE AT
NORMAL CROWN SLOPE

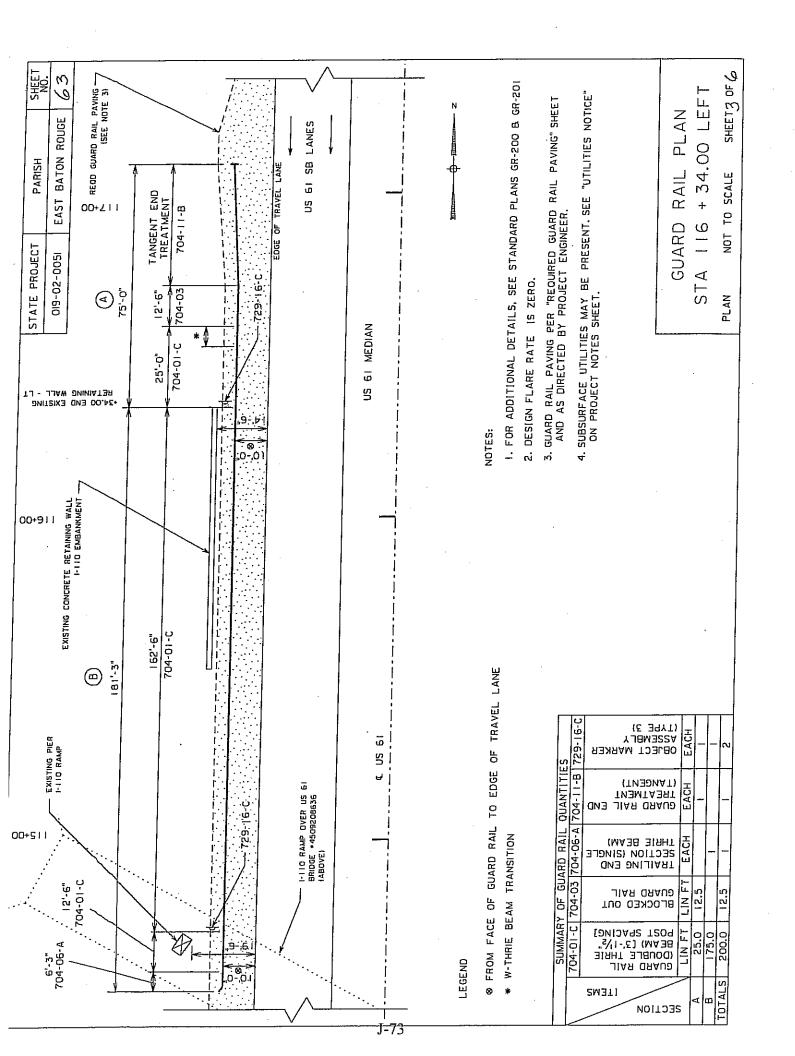
FOR OVERLAYING RURAL HIGHWAYS SUPERELEVATION REGUIREMENTS

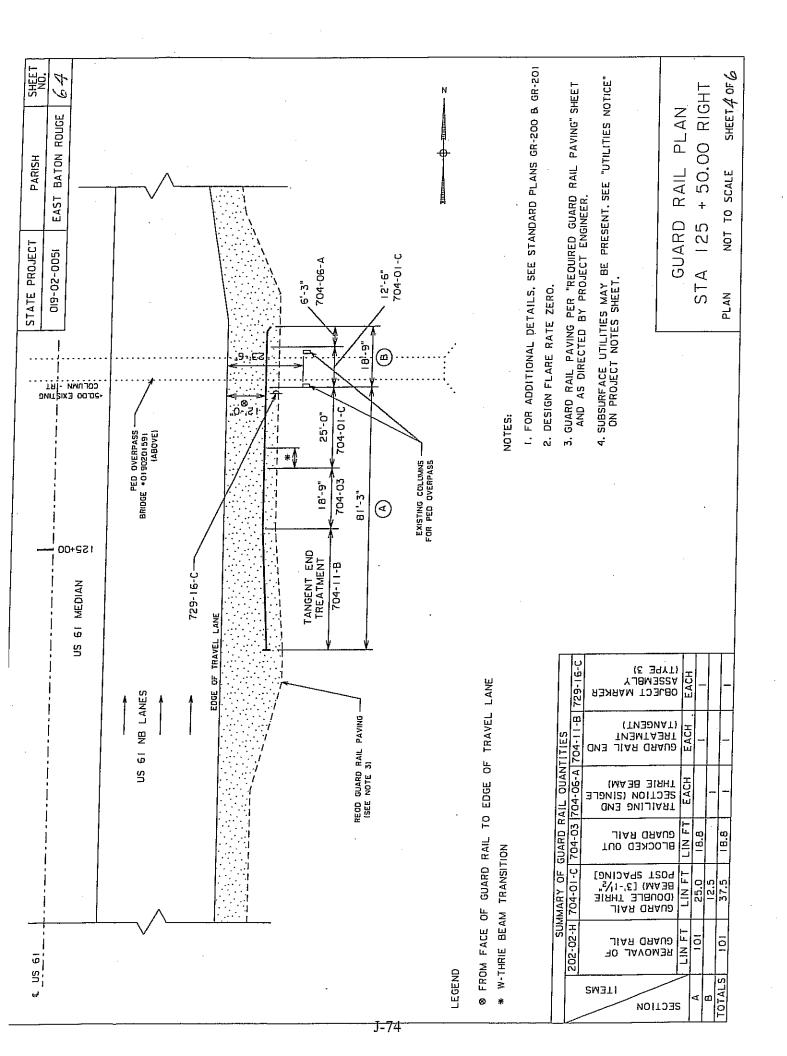
3. AS DIRECTED BY THE PROJECT ENGINEER, THE CONTRACTOR WILL BE RESPONSIBLE FOR VERIFYING DEGREE OF CURVE. AND SHALL BE PAID FOR UNDER CONSTRUCTION LAYOUT, ITEM 740-01.

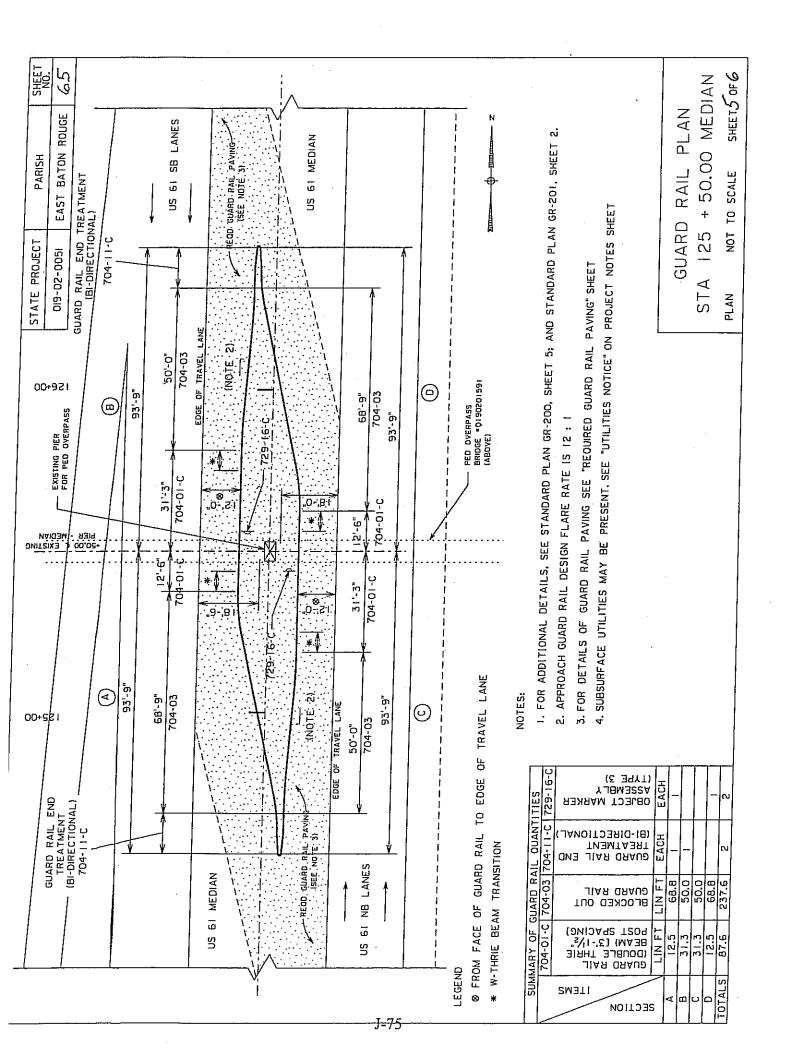
SHEET 2 OF 2

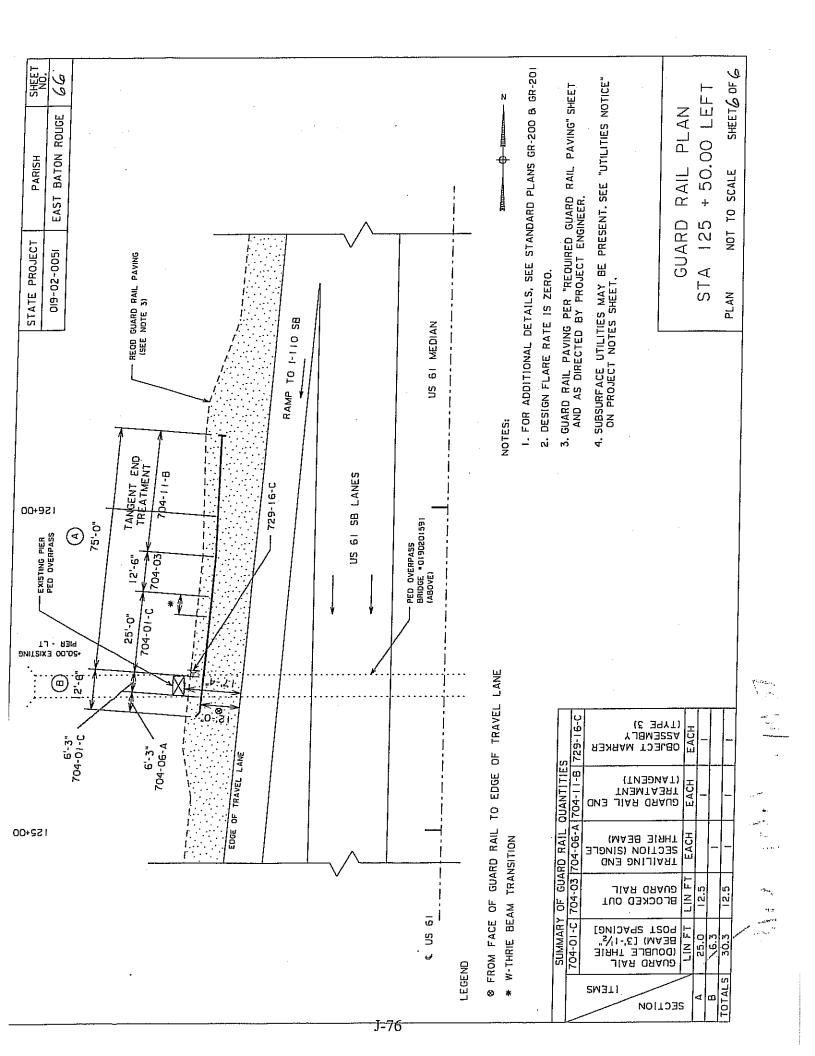


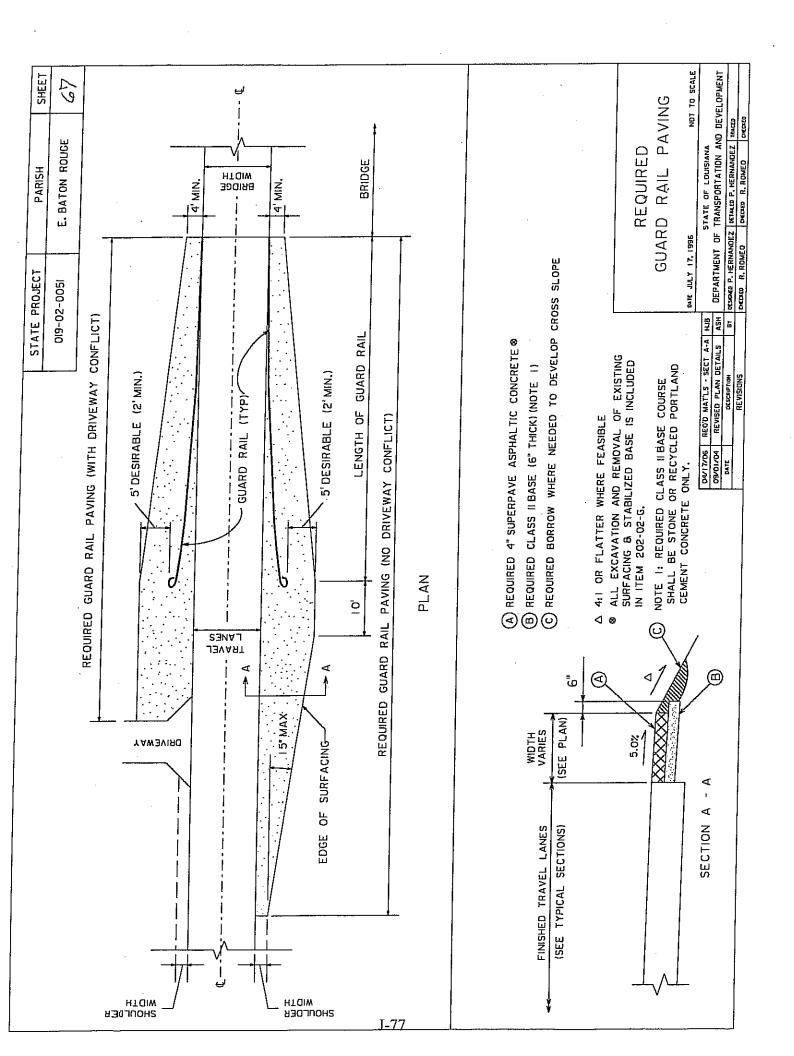


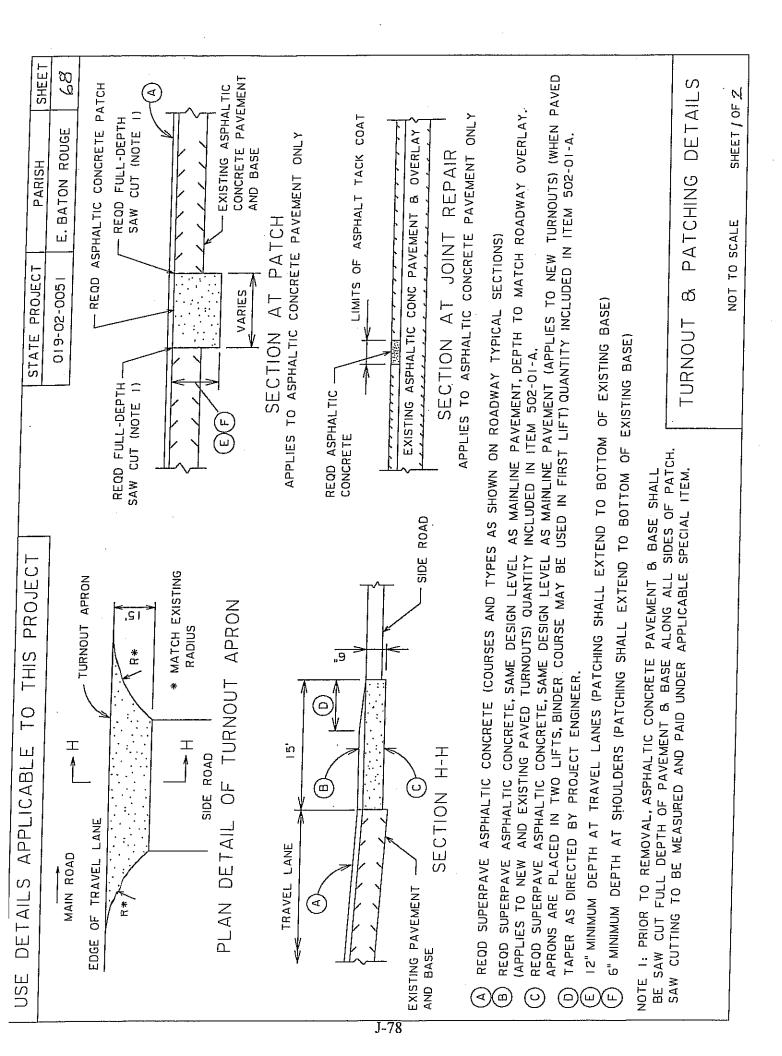


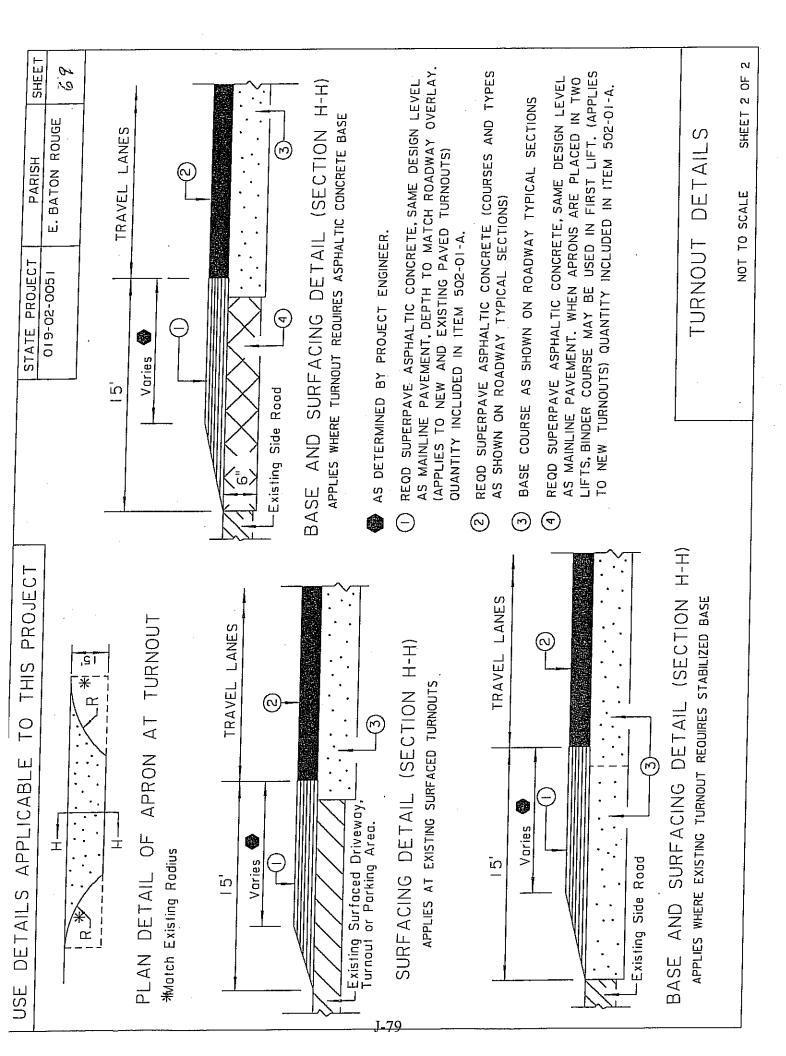


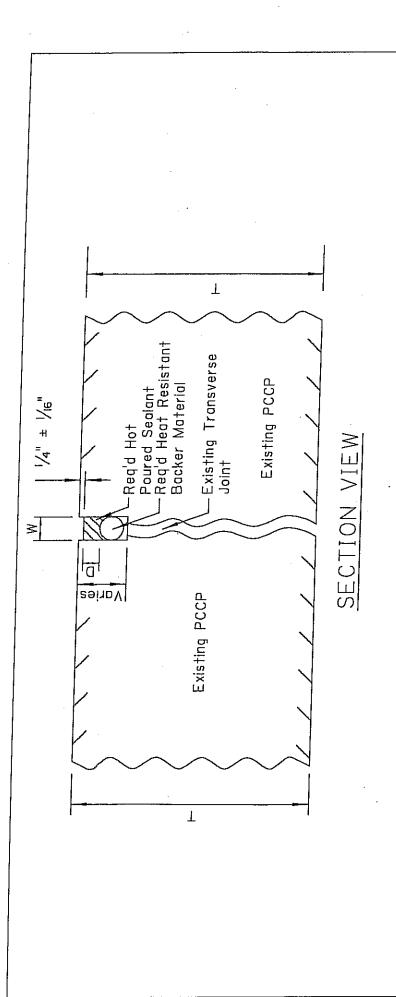












•	MINIMUM DEPTH TO	REMOVE INCOMPRESSIBLES	t t	2/
	BACKER MATERIAL	(DIAMETER)	W + V5%	W + 25%
	DEPTH (D)	(1)	1/2"	W/2
	MIDTH (W)	= = = = = = = = = = = = = = = = = = = =	2/1	" - 3"

NOTES:

I. Hot poured sealant shall conform to section 602.05 of the Standard Specifications.

Backer material shall consist of heat resistant, closed—cell,

All work on this detail to be paid for under item 602-02-B, cross-linked polyethylene or polyolefin foam. 'n

Cleaning and resealing existing transverse pavement joints. 4. Detail not to scale.

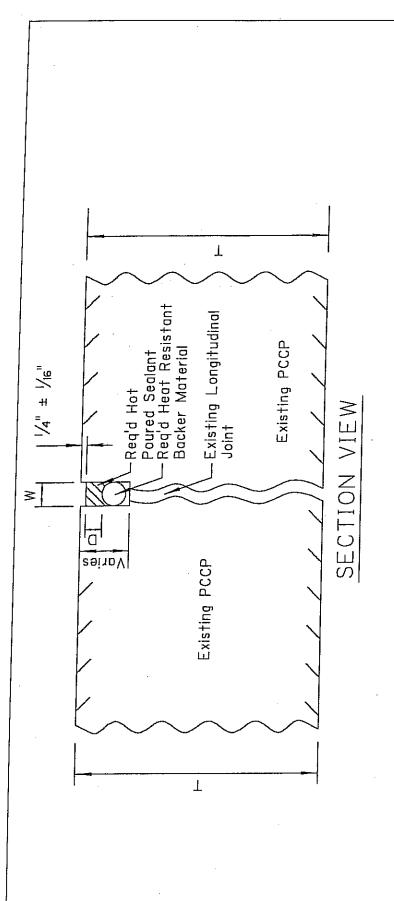
CLEANING AND RESEALING EXISTING TRANSVERSE JOINTS NO. DATE

E. BATON ROUGE

PARISH

019-02-0051

CPR-01



MINIMUM DEPTH TO	THE THOOMS INCOME TO STOLES		2/	ł	
BACKER MATERIAL (DIAMETER)		W + 25%		W + 05%	
ОЕРТН (D)		1/2"		W/2	
WIDTH (W)	=- =	3/8 - 1	= 0	7 -	

NOTES:

- l. Hot poured sealant shall conform to section 602.05 of the Standard Specifications.
 - Backer material shall consist of heat resistant, closed-cell, cross-linked polyethylene or polyolefin foam.
 - All work on this detail to be paid for under Item 602-02-A, 'n
 - Cleaning and resealing existing longitudinal pavement joints.

4. Detail not to scale.

CLEANING AND RESEALING EXISTING LONGITUDINAL

JOINTS

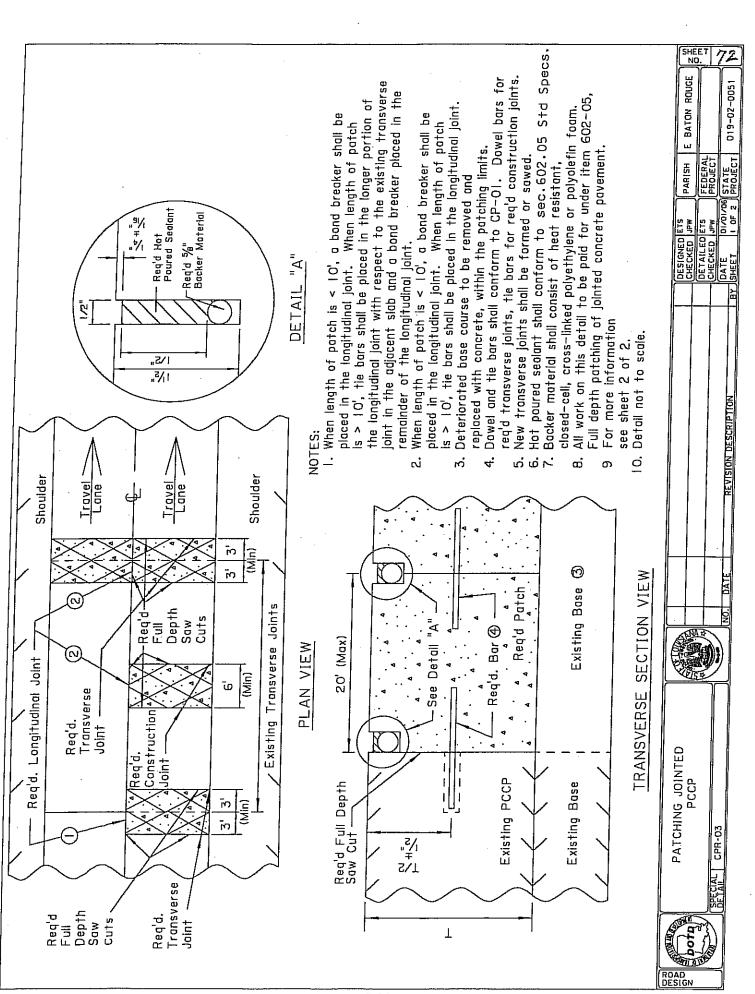
CPR-02

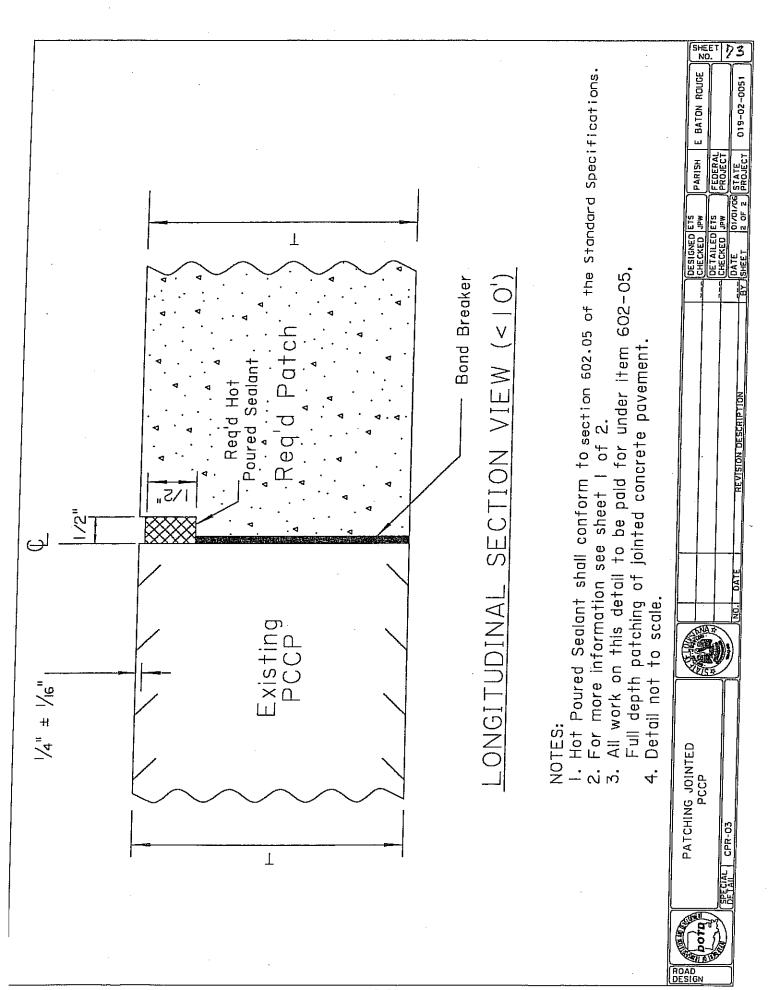
REVISION DESCRIPTION

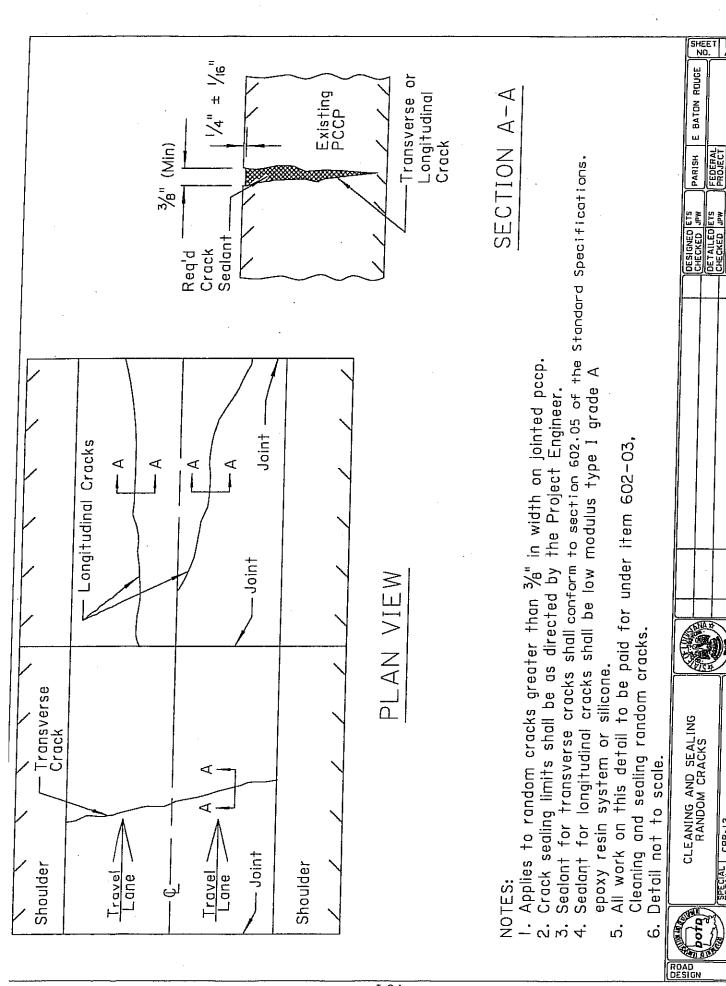
BATON ROUGE

PARISH

019-02-0051

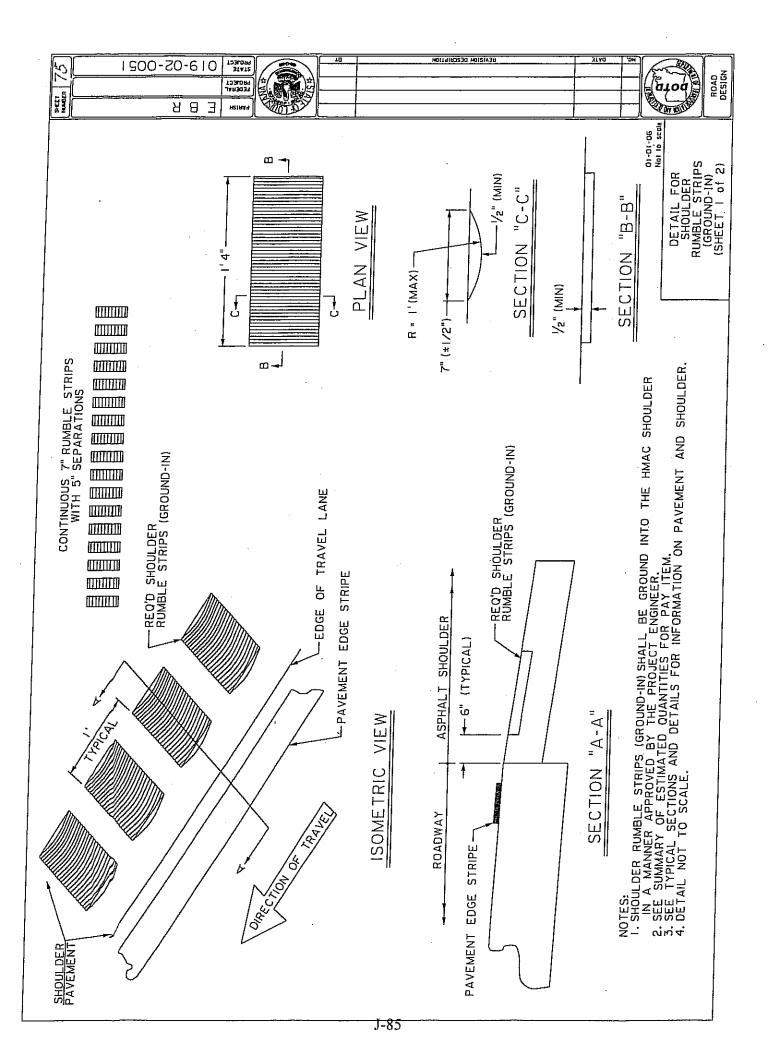


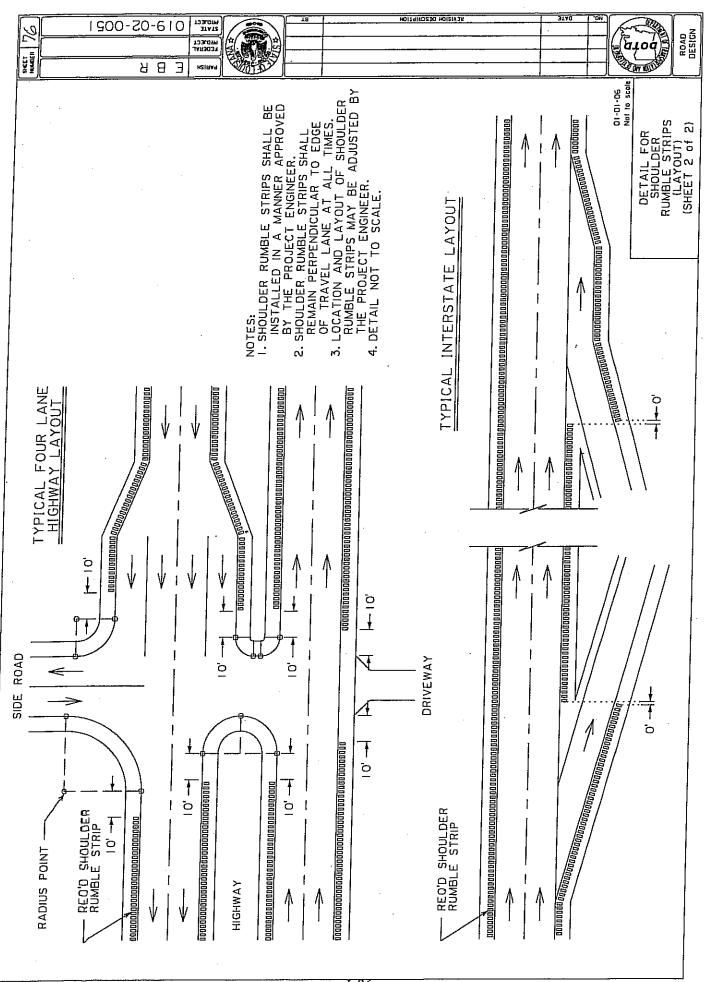




019-02-0051

DATE





- A Temporary Treating General Dravies used shed be in accordance with the LaDOTD Standard Specifications for fladds and Belders, the Manual on Voltam Tripillic General Acress substances were mest the relation Tripillic General Acress substances.

 Test Level 3 respleay flasters from the Medical Tripillic Contrast state in accordance with the LaDOTD Standard Specifications for Reads used for Temporary Tripilic Contrast state by the General Ladott Specifications for Reads used for Temporary Tripilic Contrast state by the Reads with the LaDOTD Standard Specifications for Reads used filled something the world for the Project Emphers and until work is sported of the Project Emphers and until work is thought the supervised of the Project Emphers or covered.

 The born colours, then shifts, detailoun, or delicut state state in the Project Emphers or covered.

 The supervised of the Project Emphers are covered.

 The supervised of the Project Emphers or the triple of the triple public on swell of the Mess Delice of the streams of the supervised of the supervised of the supervised or the supervised
 - The controctor shed date be responsible for the mointenance of a permanent legislate and powement machings left in place an essential to the safe movement and guidance of teeffic within the performance of teeffic within The Chinch Traffic Operations Engineer (DTCE) that seem of technical addition to the Project Engineer for all Traffic Control.
- mollers.

 These west heat XX takes' sign sted by required on of projests signal to of greater than 2 make ond scored of the segions of the superior of the superior of the superior of the superior of the sign sheal be stated to the meeters whole make. The sign sheal 35°X60° unless otherwise noted.
 - Whenhy signs used for lam bloaves or lone shifts in which the roddway shall be returned to fus public use within 12 hours or to may be placed on NICHRP350 approved portable sign fromes.
- bil (he spacing on the plans need to be attered, the new spacings need to be approved by the Project Enginess.

CHANNELIZING DEVICES

• Seed feels that he leavered by 10 mph for any complexities, madelenours, or using upperction that reduces one or mere at the debugle.

All he condition of the original highway is degrated day to mitted a strokes or unears proventies; (8) well is in propers in the formedia widelily of the recoultions, and propers in the formedia widelily of the reductions, or list speed discretions (C) workers where it was present of the seed of storated wey where it was the present of the seed of storated wey

The latewing devices may he used.

The latewing devices may he used.

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- without barrier protection.

 The reduced departs arone being only popy to thous prolions of the project fault sifested. The Project Engineer may dew SPEED LIUIT WHEN FLASHHIG signs to
- Supplement reduced speed zones.

 A film and of the seduced speed tone, a speed first sign distuying the pright pased first before construction shot be faringed.

 Resided,

that used an others.

• 28' frothe conses one an alowed on 1) interstates. 2) Holywoys with postat greater than 40 mph. During night line, appearations 1) 22' and 35' const in a format. 2) drums one filte only device allowed in the laper.

If conditions werrant, the District Traffic Operations Engineer may authorize the reduction of the speed Emit by more than 10 mph.

PAVEMENT MARKINGS Ises OFL)

- At provinci markings within the finite of the project that are in center with the project angung of the standard fortic maximum. As the standard strategies are considered in the project of the payment by blast cleaning or quicking failuring strategies and the project of the p
- Enghaus.

 Makitals and placemanl of Imparary pearams mandage shall make the trial make trial make the trial make tri

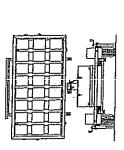
PORTABLE CHANGEABLE WESSAGE SIGNS

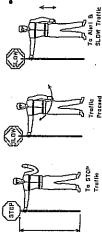
- When working willsh the trouville way, intaiding intenders and outday lones, consider working willsh the trouville was to all attrictate an ADT greater than 20,000 and should be detected with refractiletive TTC devices. Date with the paid for they state.

 When such is observed to lone desure or a lare shift, the QUS should be pleased into high the troub can shift, the QUS should be pleased into high the please of the sign state in interviews on the best should be pleased in the high the please of the sign of the sign of the interviews on the best should be pleased in the high please.

 If which are queling beyond the T and QUS, an additional CLIS is the sidn of the read approximately the CLIS of the sidn of the read opproximately and the please on the right hood side of the read approximately CLIS of the sidness of the read opproximately the controlled the please of the right of the read opproximately of the place of the right of the read opproximately of the place of the right of the read opproximately of the right of the read opproximately of the place of the right of the read opproximately of the place of the read opproximately of the right of the read opproximately operated on the right of the read operated on the right of the r
- when Portols Changash Mesuge signs are not baing used, they includ be sensowed if not prevent, they though he shalled by quantities to buriters or if the persons are not featible. They should be delinered with retreather FTG devices.

An injure that for importory indiffice controls that lotave the Department's Traffic Control (CE) delites and the AUITCD silver shown in the TC Executions are special and may very what are considered in the CE of the



- A filegrate must be qualited. This confrozier that be responsible for theiring or example that of lighter for equilitied to perform theybog outles. A gualise ferget is one that not complete accuses they a three defined by the Amelican Test is completed accused ATESAA. The Associated General Confroziers of Amelica (AGC) to other courses approved by the Landman DITO's West Zons requires approved. The soft of the second of the accused to the second of the accused on the second of the second of the accused on the second of


TYPE (II BARRICADES

Tubular Morker

Traffe

- At bardicodes shall use Type 3 Hely Intensity Shesting on both date of the substrated.

 At Type II Bardicodes, stall be a minimum of 8 feet in Inaght with the MOHIP 200 receivements.

 Within stans and Aplits are to be mounted to a bardicode, they must meet HCHRP 250 requirements.

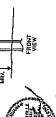




TEMPORARY TRAFFIC CONTROL TEMPORAL NOTES SHEET

BOLTS

Z4° HIN. LAP





- Flashing Arraw Ponnis their bursed for lone cleauries and a feetilism with 2 errors feeting in a horiz direction on a system of a system than 25 min. It is shoulder to the topic of the topic.

 When a the Albahy arraw genesis should be lactised on the shoulder to the topic of the topic. The topic of the

MATERIAL CONTRACTOR

MATERIAL

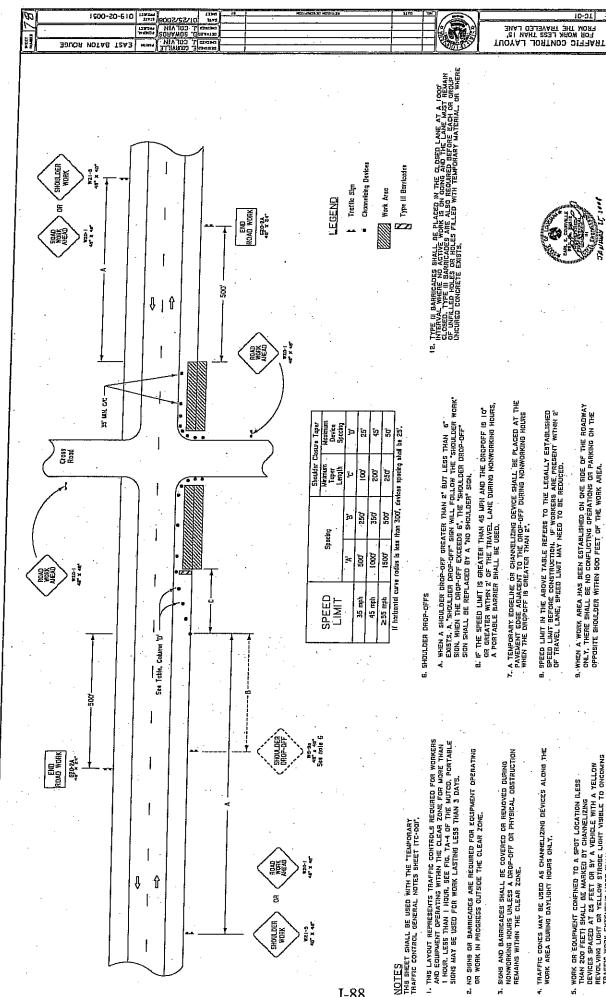
LIGHTING ISSE OFL)

- When used for oversight clearura, fighting and supplement of boarfoast in the sa pleast in a clear of over their saind occus a objetusy. The Type B High intensity spirs and Type B High intensity spirs and I Type A Lew Intensity Light may be used where obsquers combined behing to conceasing the major where the same in the first spir of the saint of the sa

ALLOWABLE LAP SPLICE FOR U-CHANNEL POST

o U-Channel pasts muy by spliced where lang insplirs use restince. The upper section and overlap in Pares section about per pares pay of instances of the bollom sets of the upper section of the splice and of the upper section of the splice and overlap where the ground. The splices actions shall be secured with all least fourly death downers has boils spored equally along the splice.

15. 10 lg







IO, ANY SIGNS IN CONFLICT WITH CONSTRUCTION SIGNING SHALL BE REMOVED OR COVERED.

8. WHEN A WORK AREA HAS BEEN ESTABLISHED ON ONE SIDE OF THE ROADWAY ONLY, THERE SHALL BE NO CONFLICTING OPERATIONS ON PARKING ON THE OPPOSITE SHOULDER WITHIN 850 FEET OF THE WORK AREA.

WORK DR EQUIPMENT COMPINED TO A SFOT LOCATION (LESS THAN 200 FEET) SHALL BE MARKED BY CHANNELIZING BEVICES SPACED AT 28 FEET OF BY A VENDLE, WITH A PELLOW THOUGH LIGHT OR YELLOW STROBE LIGHT VISIBLE TO ONCOMING TRAFFIC, WORK EXTENDING MORE THAN 200 FEET OF ROADWAY LENDTH SHALL BE MARKED WITH APPROPRIATE DEVICES SPACED AS NOTED IN THE TABLE.

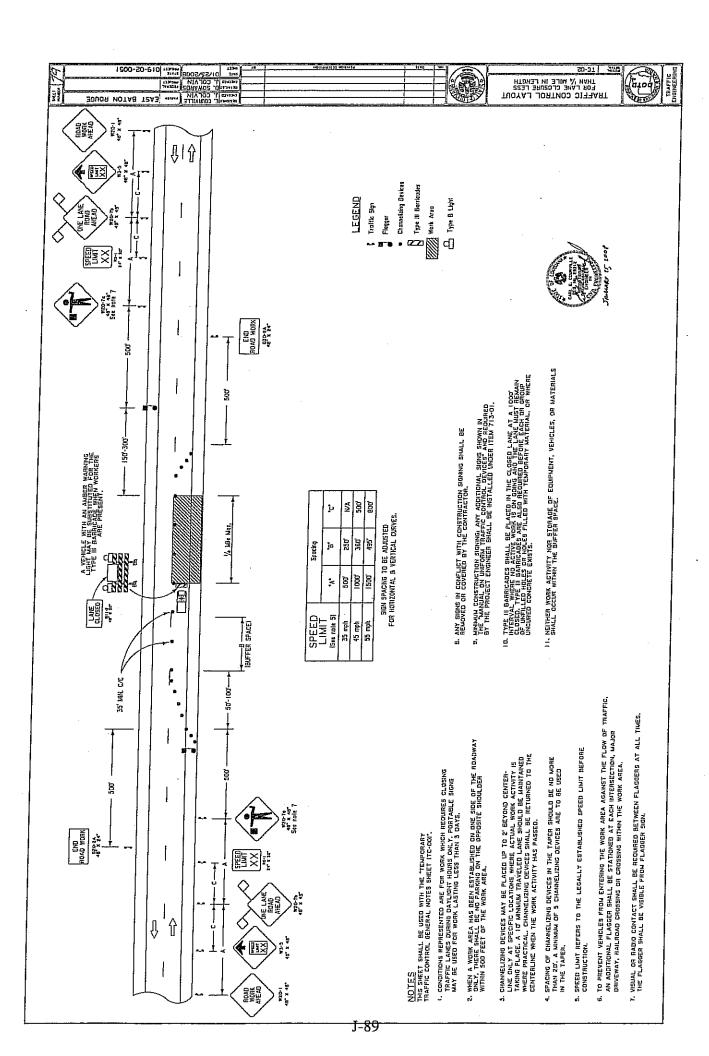
TRAFFIC CONES MAY BE USED AS CHANNELIZING DEVICES ALONG THE WORK AREA DURING DAYLIGHT HOURS ONLY,

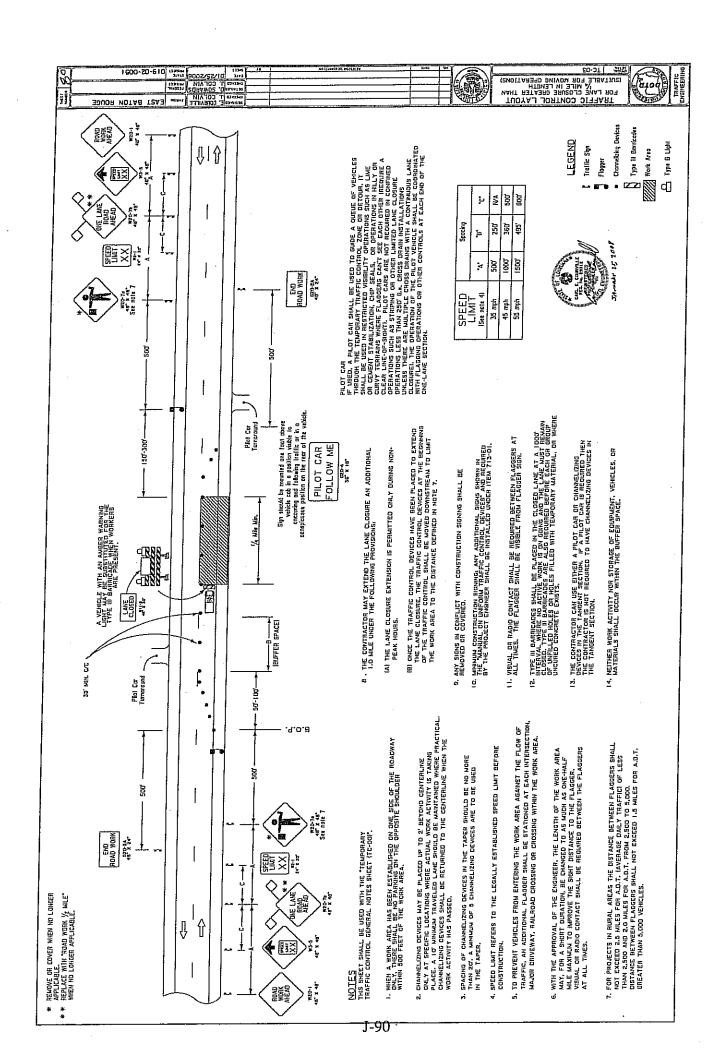
SPEED LIMIT IN THE ABOVE TABLE REFERS TO THE LEGALLY ESTABLISHED SPEED LIMIT BEFORE CONSTRUCTION. IF WORKENS ARE PRESENT WITHIN 2" OF TRAVEL LANE, SPEED LIMIT MAY HEED TO BE REDUCED.

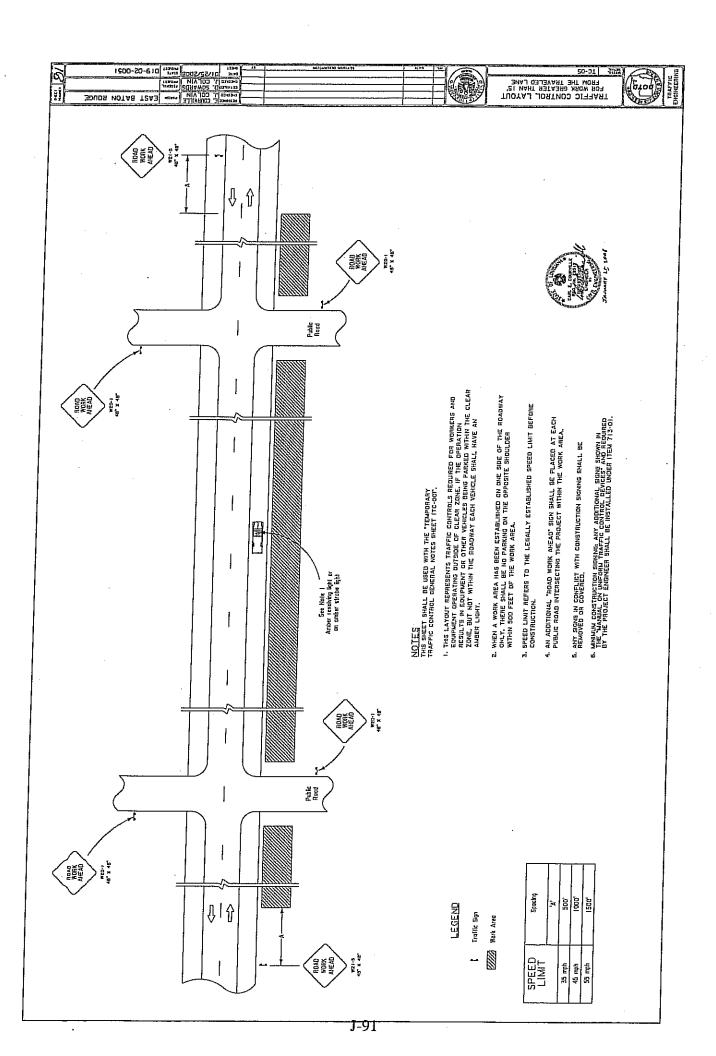
11. MINIMUM CONSTRUCTION SIGNING. ANY ADDITIONAL SIGNS SHOWN IN THE "MANUAL DN LINFORM TRAFFIC CONTROL DEVICES" AND RECUIRED BY THE PROJECT ENGINEER SHALL BE INSTALLED UNDERVITEM 713-01.

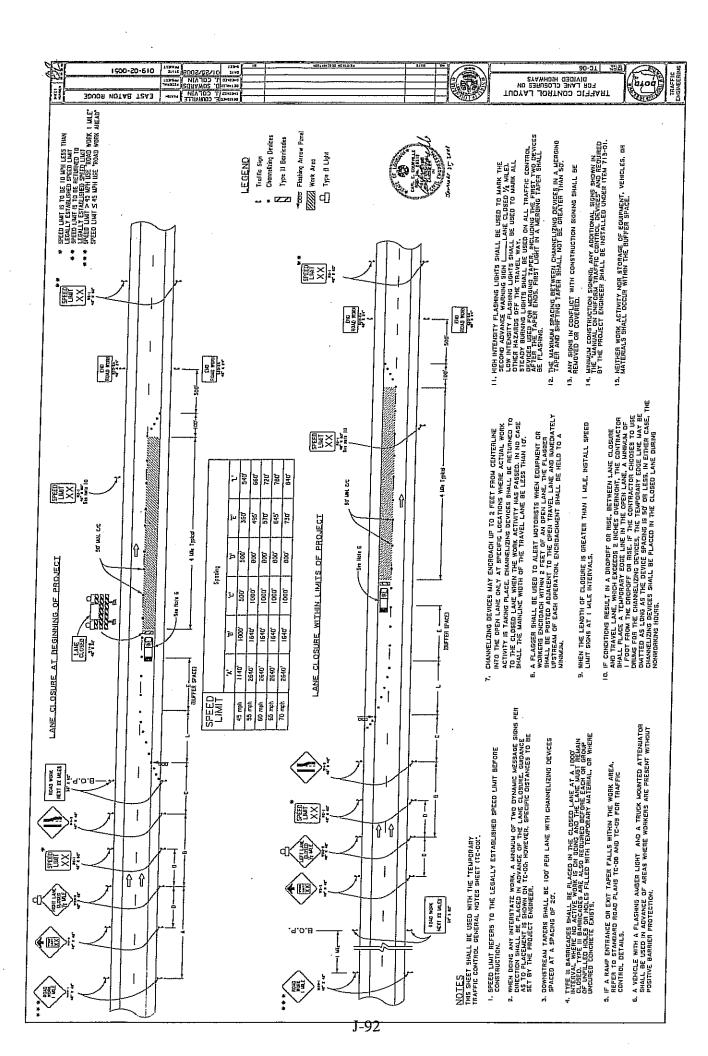
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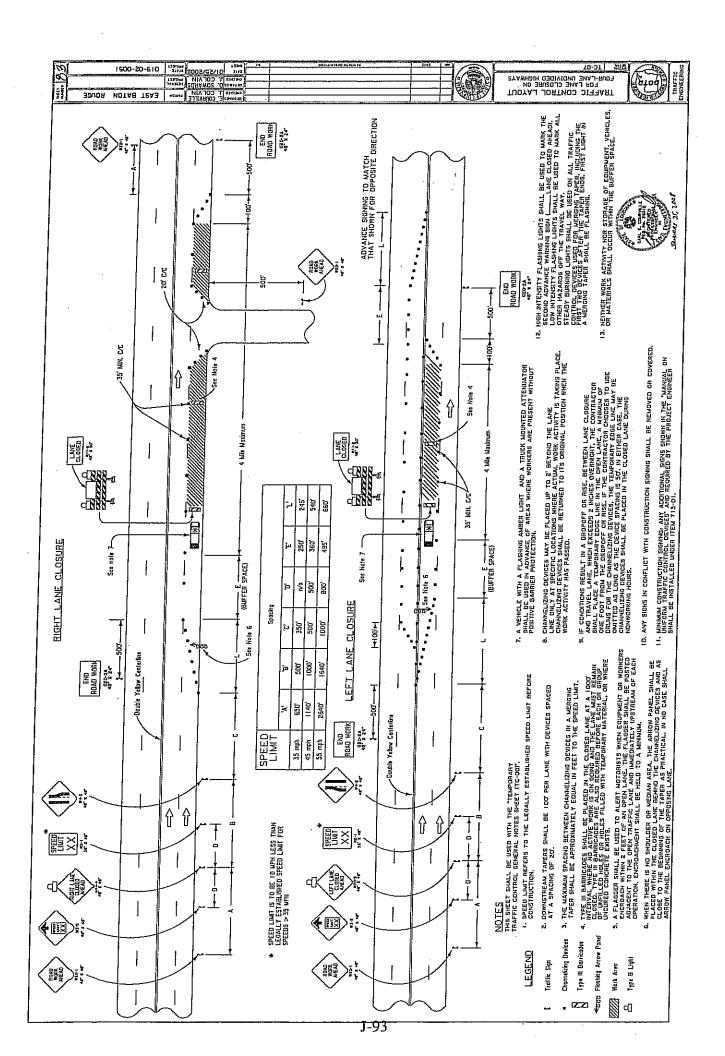
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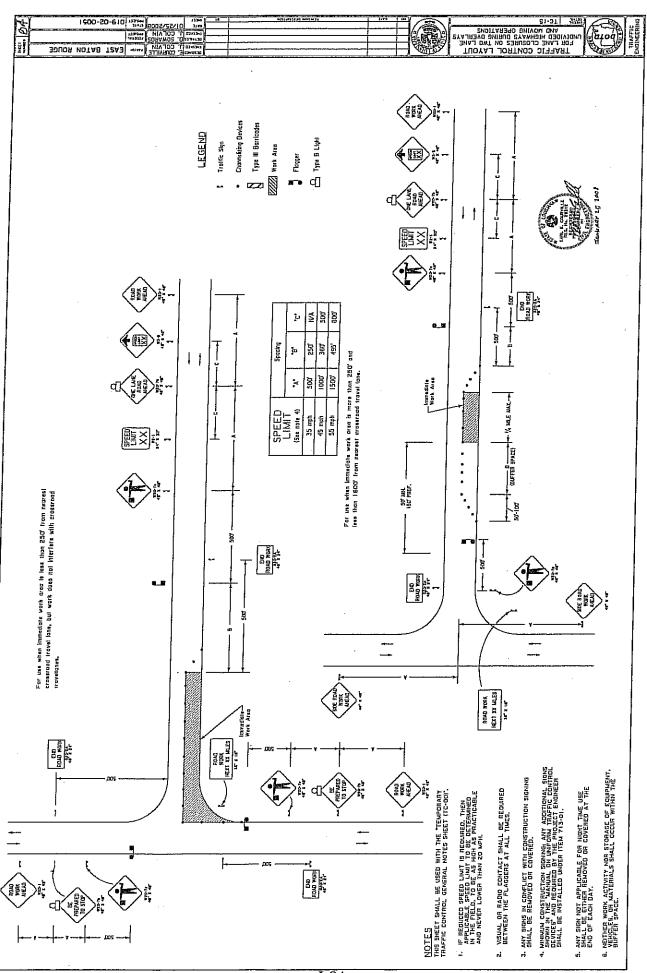












DESCRIPTION: 1-110 (ARROCET ST) - LA 964 STATE PROJECT: 019-02

PARISH: EAST BATON ROUGE ROUTE NO: US 61

TOTAL LENGTH: 3.68 MILES

DESIGN INFORMATION (EXISTING ROADWAY)

	טוא דממוזס	OTICE INC.	יל על	,
	PARISH	7	п. Б. Қ.	
	STATE PROJECT	019-02-1466	יוכ	
-				

		1 2 2 2	DEP (ft)												,				
	SUB-BASE	TVD	-																
		DEP (ft)										-					CONCRETE (AFFROACH SLAB)		
£	BASE	TYP			CONCRETE	ata au NOU	THE COLUMN	מהממטועטט	CONCRETE	な中立のパンプ	CONCINE I E	CONCERE	COLOCIO			ייי שהת מייועטיי	CONCINETE (A)		_
	(2) CIVI	WID (II)	23,	73,	7	23,		23,		73,		237		, , ,	7	23,		23,	
	DED (A)	11.) TOTAL		6.25"		12.50"		18.50"		10.50"		20.00"				2.00"			
PAVEMENT	TYP		CONCRETE	HOT MIX		HOT MIX		HOT MIX		HOT MIX		HOT MIX		CONCRETE		HOT MIX		CONCRETE	
LOGMILE	ROADWAY	**	0.00 N.B 3.68 N.B.	3.60 S.B. – 5'8" RT CL	, (3.20 S.B. (a) C.L	() ()	2.80 S.B. (a) 6 LT CL	() to 0.5 c	2.40 S.B.(a) 5.6" RT CL	c c c c c c c c c c c c c c c c c c c	2.00 S.B. (a) C.L	95 95	1.00 313		1.20 S.B. @ 6'4" RT CL	} { { { }	1.80 S.B 0.00' S.B.	

EMARKS: *UNABLE TO DRILL DUE TO CONCRETE ROADWAY*

SSLM=Shelly Sandy L=Clay RAV=Gravel

HLY=Shelly

LT=Light LM=Loam

A=Sand NOTE:

CMT=Cement STY=Silty SDYLM=Sandy Loam MED=Medium SDY=Sandy PCC=Portland Cement Concrete

Q SHEET

Mark Kelleý, P. E. District 61 Lab Engineer

STATE PROJECT: 019-02

DESCRIPTION: I-110 (ARROCET ST) - LA 964

PARISH: EAST BATON ROUGE ROUTE NO: US 61

3.68 MILES TOTAL LENGTH:

DESIGN INFORMATION

(EXISTING ROADWAY)

_			
	SHEET NO.	PC	9 2
7,070,4	FAKISH	E.B. R.	
STATE PROJECT	010 00	019-02-005/	

	SUB-BASE	TYP DEP (ft)											
		DEF (II)	6.01" – 36"		6.01"-36"	7.01" = 26"	00 100						
THE STATE OF THE S	TVP	, , ,	CL LM		LIM & OKG	CL LM & ORG						-	
	WTD (ft)	10.003	10.00	10 671	10.07	10.00	i i	CAIE					
IRFACE	DEP (ft)	6.00"		6.00"		7.00"	NO SHOLLI DEPO TOT OF	טין טין מאיזיקיי					
SHOULDER SURFACE	TYP	HOT MIX		HOT MIX		HOT MIX	II OHS ON						
LOG MILE	SHOULDERS	1.00 N.B. @ RT CL	2.00 N.B. (NO LEFT SHLDR)	3.00 N.B. @ 19' RT CL		3.00 S.B. (a) 19' KI CL	2.00 S.B. @ 0.00 S.B.	J-9	6				

EMARKS:

SSLM=Shelly Sandy L=Clay 3RAV=Gravel 3A=Sand 3HLY=Shelly

LT=Light
LM=Loam
S
PCC=Portland Cement Concrete

NOTE:

STY=Silty SDYLM=Sandy Loam MED=Medium

CMT=Cement SDY=Sandy

Q N SHEET

Mark Kélley, P. E. District 61 Lab Engineer

SHEET NO.		i i	DEP (ff)									
ECT PARISH 17	10 t d 1110	DOD-BASE	111									
STATE PROJECT 019-02-0051		DEP (A)	(11)									
DESIGN INFORMATION (EXISTING ROADWAY)	BASE	TYP	CONCRETE	CONCRETE	CONCRETE	CONCRETE	CONCRETE	CONCRETE	CONCRETE	CONCRETE	CONCRETE	
SIGN INFO ISTING R(WID (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
DES		DEP (ft)	0.00" - 12.50"	0.00"-12.50"	0.00"-14.00"	0.00."-9.00"	0.00"-14.00"	0.00"-13.50"	0.00"-14.00"	0.00"-14.00"	0.00"-14.00"	
OUTHBOUND	PAVEMENT	TYP	HOT MIX	HOT MIX	HOT MIX	HOT MIX	HOT MIX	HOT MIX	HOT MIX	HOT MIX	HOT MIX	CONCRETE
DESCRIPTION: I-110 – LA 964 SOUTHBOUND PARISH: EAST BATON ROUGE ROUTE NO: US 61 TOTAL LENGTH: 3.68	LOGMILE	ROADWAY	3.60 S.B. @ 6'3" RT CL	3.40 S.B. @ 6' RT CL	3.20 S.B. @ 6' RT CL	3.00 S.B. @ 7' RT CL	2.80 S.B. @ 5'8" RT CL	2.60 S.B. @ 5'6" RT CL	L6-f 2.40 S.B. @ 6' RT CL	2.20 S.B. @ 6'4" RT CL	2.00 S.B. @ 6'2" RT CL	1.80-0.00 S.B.

OF SHEET

SDYLM=Sandy Loam MED=Medium STY=5 SDY=Sandy CMT= PCC=Portland Cement Concrete

SSLM=Shelly Sandy LT=Light LM=Loam

=Clay AV=Gravel =Sand

LY=Shelly

MARKS:

STY=Silty CMT=Cement

Mark Kelley, P. E. District 61 Lab Engineer

STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT



CONSTRUCTION PROPOSAL INFORMATION FOR

FEDERAL AID PROJECT

STATE PROJECT NO. 019-02-0051 I-110 (AVOCET ST) – LA 964 ROUTE US 61 EAST BATON ROUGE PARISH

BID BOND

(D.11)	, as Principa
(Bidder)	an
called the Department) in the sum of five percent (, as Surety ent of Transportation and Development, (hereinafte 5%) of the bidder's total bid amount as calculated by all and Surety bind themselves, their heirs, executors bligors.
Signed and sealed this day of	
AID PROJECT NO. 1705(513), I-110 (AVO ROUGE PARISH, ROUTE US 61, if the bid is	CATE PROJECT NO. 019-02-0051, FEDERAL CET ST) – LA 964, located in EAST BATON accepted and the Principal, within the specified time with Surety acceptable to the Department for paymental be void; otherwise to remain in effect.
Principal (Bidder or First Partner to Joint Venture)	If a Joint Venture, Second Partner
Зу	Ву
Authorized Officer-Owner-Partner	Authorized Officer-Owner-Partner
Authorized Officer-Owner-Partner Typed or Printed Name	Authorized Officer-Owner-Partner Typed or Printed Name
Typed or Printed Name	
Typed or Printed Name	Typed or Printed Name
Typed or Printed Name	Typed or Printed Name rety (Seal)
Typed or Printed Name Sur	Typed or Printed Name rety (Seal) orney-in-Fact
Typed or Printed Name Sur By Agent or Atto	Typed or Printed Name (Seal) orney-in-Fact inted Name respondence / communication from LA DOTD, with
Typed or Printed Name Sur By Agent or Atto Typed or Pr o receive a copy of the contract and subsequent core	Typed or Printed Name rety (Seal) orney-in-Fact rinted Name respondence / communication from LA DOTD, with

07/07 Form CS-2A

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DATE: 01/22/09 11:13 PAGE:

ITEM NUMBER	APPROXIMATE QUANTITY	UNIT OF MEASURE	PAY ITEM UNIT PRICE (IN WORDS, INK OR TYPED)
202-02-C	4,800	SQUARE YARD	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT DOLLARS CENTS
202-02-D	1,145	SQUARE YARD	REMOVAL OF CONCRETE WALKS AND DRIVES DOLLARS CENTS
202-02-E	384.0	LINEAR FOOT	REMOVAL OF CONCRETE CURBS DOLLARS CENTS
202-02-G	4,455.1	SQUARE YARD	REMOVAL OF SURFACING & STABILIZED BASE DOLLARS CENTS
202-02-H	101	LINEAR FOOT	REMOVAL OF GUARD RAIL DOLLARS CENTS
202-02-I	4,800.0	SQUARE YARD	REMOVAL OF STABILIZED BASE (6" THICK) DOLLARS CENTS

DATE: 01/22/09 11:13 PAGE:

LEAD PROJECT: OTHER PROJECTS:

019-02-0051

ITEM NUMBER	APPROXIMATE QUANTITY	UNIT OF MEASURE	PAY ITEM UNIT PRICE (IN WORDS, INK OR TYPED)
7.20-01C	r	III K	REMOVAL OF CONCRETE HEADWALLS AND WINGWALLS
) 3 0 1		EACH	DOLLARS
			CENTS
			REMOVAL OF CATCH BASINS
202-02-K	7	БАСН	
			DOLLARS
			REMOVAL OF SIDE DRAIN PIPE (24" RCP)
202-02-L	56	LINEAR FOOT	
			DOLLARS
		*	CENTS
			GENERAL EXCAVATION
203-01	1,343	CUBIC YARD	ממגיווטרן
			CENTIS
			DRAINAGE EXCAVATION
203-02	400	CUBIC YARD	
			DOLLARS
		~~~	CENTS
	377		BORROW (VEHICULAR MEASUREMENT)
203-07	4,243	CUBIC YARD	
			DOLLARS
			CENTS
	****		

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DATE: 01/22/09 11:13 PAGE:

ITEM NUMBER	APPROXIMATE QUANTITY	UNIT OF MEASURE	PAY ITEM UNIT PRICE (IN WORDS, INK OR TYPED)
204-02	3.4.3 5.4.3	БАСН	TEMPORARY HAY OR STRAW BALLES  DOLLARS  CENTS
204-06	43,162	LINEAR FOOT	TEMPORARY SILT FENCING  DOLLARS  CENTS
302-02-B	7,390.4	SQUARE YARD	CLASS II BASE COURSE (6" THICK)  DOLLARS  CENTS
302-02-G	5,830.4	SQUARE YARD	CLASS II BASE COURSE (20" THICK)  DOLLARS  CENTS
303-02	200.0	SQUARE YARD	REMOVAL OF EXISTING PATCHES  DOLLARS  CENTS
402-01	800.0	CUBIC YARD	TRAFFIC MAINTENANCE AGGREGATE (VEHICULAR MEASUREMENT)  DOLLARS  CENTS

41

DATE: 01/22/09 11:13 PAGE:

ITEM NUMBER	APPROXIMATE QUANTITY	UNIT OF MEASURE	PAY ITEM UNIT PRICE (IN WORDS, INK OR TYPED)
502-01	50,916.5	TON	SUPERPAVE ASPHALTIC CONCRETE
70.			DOLLARS
502-01-A	5,033.2	TON	SUPERPAVE ASPHALTIC CONCRETE, DRIVES, TURNOUTS AND MISCELLANEOUS
			DOLILARS
509-01-A	39,587	SQUARE YARD	COLD PLANING ASPHALTIC PAVEMENT (2" AVG DEPTH)
			DOULDARS
509-01-B	45,063	SQUARE YARD	COLD PLANING ASPHALTIC PAVEMENT (4" AVG DEPTH)
İ			DOLLARS
509-01-C	197,4	SQUARE YARD	COLD PLANING ASPHALTIC PAVEMENT (6" AVG DEPTH)  DOLLARS
			CENTS
509-01-D	7,516	SQUARE YARD	COLD PLANING ASPHALTIC PAVEMENT (7" AVG DEPTH)
	·		DOLLARS
1111			

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DATE: 01/22/09 11:13 PAGE:

019-02-0051

LEAD PROJECT: OTHER PROJECTS:

CENTS CENTS DOLLARS DOLLARS CENTS DOLLARS CENTS DOLLARS DOLLARS DOLLARS CENTS CENTS FULL DEPTH PATCHING OF JOINTED CONC PVMT (10" THICK) (16.0 SQ YDS & UNDER) CLEANING AND RESEALING EXISTING LONGITUDINAL PAVEMENT JOINTS (IN WORDS, INK OR TYPED) CLEANING AND RESEALING EXISTING TRANSVERSE PAVEMENT JOINTS CONTRACTOR RETAINED RECLAIMED ASPHALTIC PAVEMENT PAVEMENT PATCHING (6" MINIMUM THICKNESS) CLEANING AND SEALING RANDOM CRACKS PAY ITEM UNIT PRICE SQUARE YARD LINEAR FOOT LINEAR FOOT LINEAR FOOT SQUARE YARD CUBIC YARD UNIT OF MEASURE 80.0 APPROXIMATE QUANTITY 1,300 2,060 -7,101 16,767 17,569 602-05-K-01 510-01-A 602-02-A 602-02-B ITEM NUMBER 509-02 602-03

DATE: 01/22/09 11:13 PAGE:

019-02-0051 LEAD PROJECT: OTHER PROJECTS:

ITEM NUMBER	APPROXIMATE QUANTITY	UNIT OF MEASURE	PAY ITEM UNIT PRICE (IN WORDS, INK OR TYPED)
602-05-K-02	85.0	SQUARE YARD	FULL DEPTH PATCHING OF JOINTED CONC PVMT (10" THICK) (16.1-48.0 SQ YDS)  DOLLARS CENTS
602-05-K-03	330.0	SQUARE YARD	FULL DEPTH PATCHING OF JOINTED CONC PVMT (10" THICK) (48.1 SQ YDS & OVER)  DOLLARS  CENTS
602-10	20,570	LINEAR FOOT	LONGITUDINAL SHOULDER JOINTS  DOLLARS  CENTS
701-05-K	5 5 6	LINEAR FOOT	SIDE DRAIN PIPE (30")  DOLLARS  CENTS
701-10-G	œ	LINEAR FOOT	REINFORCED CONCRETE PIPE (EXTENSION) (18")  DOLLARS  CENTS
701-15	N	БАСН	CONCRETE CÖLLAR DOLLARS CENTS

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DATE: 01/22/09 11:13 PAGE:

LEAD PROJECT: 019-02-0051 OTHER PROJECTS:

HER PROJECTS:

ITEM NUMBER	APPROXIMATE QUANTITY	UNIT OF MEASURE	PAY ITEM UNIT PRICE (IN WORDS, INK OR TYPED)
			ADJUSTING CATCH BASINS
/02-04-B	LO	EACH	DOLLARS
			CENTS
702-07-A	-	i d	CROSS DRAIN SAFETY END (TYPE 1)
	1		DOLLARS
			CENTS
702-07-B	2	БАСН	CROSS DRAIN SAFETY END (TYPE 2)
			DOLLARS
			CENTS
			SIDE DRAIN SAFETY END (TYPE 1)
702-08-A	13	ЕАСН	
			DOLLARS
	***************************************		CENTS
#-80-C07	t.	* * * * * * * * * * * * * * * * * * *	SIDE DRAIN SAFETY END (TYPE 2)
1	'n	H) Wa	DOLLARS
			CENTS
			SHOULDER UNDERDRAIN SYSTEMS
703-01	26,770	LINEAR FOOT	
			DOITHAKE
77	701-		CENTS

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DATE: 01/22/09 11:13 PAGE:

ITEM NUMBER	APPROXIMATE QUANTITY	UNIT OF MEASURE	PAY ITEM UNIT PRICE (IN WORDS, INK OR TYPED)
			SHOULDER OUTLET UNDERDRAINS
703-02	106	EACH	
			DOLLIARS
			CENTS
			GUARD RAIL (DOUBLE THRIE BEAM) (3'-1 1/2" FOST SPACING)
704-01-C	481.5	LINEAR FOOT	
			DOLLARS
			CBNTS
			BLOCKED OUT GUARD RAIL
704-03	562.8	LINEAR FOOT	
			DOLLARS
			CENTS
	***		GUARD RAIL ANCHOR SECTIONS (TRAILING END) (SINGLE THRIF BEAM)
704-06-A	4.0	LINEAR FOOT	
			DOLLARS
			CENTS
	777		GUARD RAIL END TREATMENT (TANGENT)
704-11-B		ţ	
7 1 1	<b>3</b> *	EACH	DOLITARS
			CHARLE
	700		CENT'S
			GUARD RAIL END TREATMENT (BI-DIRECTIONAL)
704-11-C	4	EACH	
			DOLIJARS
			CENTS
	****		

DATE: 01/22/09 11:13 PAGE:

019-02-0051

LEAD PROJECT: OTHER PROJECTS:

707-01-A 1,145.4 SQUARE YARD CONCRETE WALK (4" THICK)  707-01-A 1,384.0 LINEAR FOOT CONCRETE CURB (6" BARRIER)  707-01-B 1,000.0 LINEAR FOOT FEMPORARY SIGNS & BARRIERD CONCRETE CURB (6" BARRIERD CONCRETE CURB (6" BARRIERD CONCRETE CURB (6" BARRIERD CONCRETE CURB (6" WIDTH))  713-02-C 6.802 LINEAR FOOT FEMPORARY PAVENEBNT WARKINGS (8" WIDTH)  713-02-E 6.804 LINEAR FOOT FEMPORARY PAVENEBNT WARKINGS (24" WIDTH)  713-02-E 6.804 LINEAR FOOT FEMPORARY PAVENEBNT WARKINGS (24" WIDTH)  713-02-E 6.805 CENTS  713-02-E 6.805 CENTS  713-02-E 6.805 CENTS  713-02-E 700-CENTS  713-03-E 700-CENTS	ITEM NUMBER	APPROXIMATE QUANTITY	UNIT OF MEASURE	PAY LTEM UNIT PRICE (IN WORDS, INK OR TYPED)
24.0 LINEAR FOOT  CONCRETE CURB (6" BARRIER)  LUMP SUM  TEMPORARY SIGNS & BARRICADES  LUMP SUM  TEMPORARY PAVEMENT MARKINGS (8" WIDTH)  TEMPORARY PAVEMENT MARKINGS (24" WIDTH)		1,145.4	SQUARE YARD	CONCRETE WALK (4" THICK) DOLLARS
10.00 LINEAR FOOT  CONCRETE CURB (6" BARRIER)  LUMP SUM  TEMPORARY SIGNS & BARRICADES  LINEAR FOOT  TEMPORARY PAVEMENT MARKINGS (8" WIDTH)  TEMPORARY PAVEMENT MARKINGS (24" WIDTH)  TEMPORARY PAVEMENT MARKINGS (24" WIDTH)  TEMPORARY PAVEMENT MARKINGS (24" WIDTH)		101		
10.0 LINEAR FOOT  TEMPORARY SIGNS & BARRICADES  LUMP SUM  TEMPORARY PAVEMENT MARKINGS (8" WIDTH)  TEMPORARY PAVEMENT MARKINGS (24" WIDTH)		1,384.0	LINEAR FOOT	DOLLARS
LUMP SUM TEMPORARY SIGNS & BARRICADES  LUMP SUM TEMPORARY PAVEMENT MARKINGS (8" WIDTH)  TEMPORARY PAVEMENT MARKINGS (24" WIDTH)  TEMPORARY PAVEMENT MARKINGS (24" WIDTH)  DO  DO  DO  DO  DO  DO  DO  DO  DO  D		1,000.0	LINEAR FOOT	CONCRETE CURB (6" BARRIER)
LUMP SUM TEMPORARY SIGNS & BARRICADES  LUMP SUM TEMPORARY PAVEMENT MARKINGS (8" WIDTH)  DO  TEMPORARY PAVEMENT MARKINGS (24" WIDTH)  DO  TEMPORARY PAVEMENT MARKINGS (24" WIDTH)				DOLLARS
LINEAR FOOT TEMPORARY PAVEMENT MARKINGS (8" WIDTH)  TEMPORARY PAVEMENT MARKINGS (24" WIDTH)  LINEAR FOOT  DO  DO  DO		гимр	NOS GWOT	
LINEAR FOOT  TEMPORARY PAVEMENT MARKINGS (8" MIDTH)  TEMPORARY PAVEMENT MARKINGS (24" WIDTH)  LINEAR FOOT				DOLLARS
LINEAR FOOT		6,802	LINEAR FOOT	
TEMPORARY PAVEMENT MARKINGS (24" WIDTH)  LINEAR FOOT  DC				CENTS
CENTY		864	LINEAR FOOT	
		***************************************		CENTS

DATE: 01/22/09 11:13 PAGE: 10

ITEM	APPROXIMATE QUANTITY	UNIT OF MEASURE	PAY ITEM UNIT PRICE (IN WORDS, INK OR TYPED)	
713-03-A	25.436	MILE	TEMPORARY PAVEMENT MARKINGS (BROKEN LINE) (4" WIDTH) (4' LENGTH)  DOLLA	DOLLARS
713-03-B	25.436 MILE	MILE	TEMPORARY PAVEMENT MARKINGS (BROKEN LINE) (4" WIDTH) (10' LENGTH)  DOLLA	CENTS
713-04-A	45.467	MILE	TEMPORARY PAVEMENT MARKINGS (SOLID LINE) (4" WIDTH)  DOLLA  CEN	DOLLARS
713-05-A	& B	БАСН	TEMPORARY PAVEMENT LEGENDS AND SYMBOLS (ARROW)  DOLLA  CEN	DOLLARS
713-05-C	44	ВАСН	TEMPORARY PAVEMENT LEGENDS AND SYMBOLS (ONLY)  DOLLA  CEN	DOLLARS
713-05-D	16	БАСН	TEMPORARY PAVEMENT LEGENDS AND SYMBOLS (RR CROSSING)  DOLLA  CEN	DOLLARS

DATE: 01/22/09 11:13 PAGE: 11

LEAD PROJECT: 019-02-0051 OTHER PROJECTS:

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ITEM NUMBER	APPROXIMATE QUANTITY	UNIT OF MEASURE	PAY ITEM UNIT PRICE (IN WORDS, INK OR TYPED)
722-02	e=f	ЕАСН	PROJECT SITE LABORATORY (EQUIPPED)  DOLLARS  CENTS
726-01	84.7	CUBIC YARD	BEDDING MATERIAL  DOLLARS  CENTS
727-01	LUMP	LUMP SUM	MOBILIZATION DOLLARS CENTS
729-16-B	10	ЕАСН	OBJECT MARKER ASSEMBLY (Type 2)  DOLLARS CENTS
729-16-C	άn	БАСН	OBJECT MARKER ASSEMBLY (Type 3)  DOLLARS CENTS
731-02	1,395	БАСН	REFLECTORIZED RAISED PAVEMENT MARKERS  DOLLARS  CENTS

DATE: 01/22/09 11:13 PAGE: 12

019-02-0051

LEAD PROJECT: OTHER PROJECTS:

732-01-C  2,267  LINEAR FOOT  PLASTIC PAVENENT STRIPING (24" WIDTH)  732-01-E  288  LINEAR FOOT  PLASTIC PAVENENT STRIPING (24" WIDTH)  732-02-A  15,156  MILE  PLASTIC PAVENENT STRIPING (SOLID LINE) (4" WIDTH)  732-04-A  44  EACH  PLASTIC PAVENENT STRIPING (SOLID LINE) (4" WIDTH)  PLASTIC PAVENENT STRIPING (SOLID LINE) (4" WIDTH)  CENTS  CENTS  PLASTIC PAVENENT LEGENDS & SYNBOLS (ARROW)  CONTS  CONTS  PLASTIC PAVENENT LEGENDS & SYNBOLS (ONLY)  PLASTIC PAVENENT LEGENDS & SYNBOLS (ONLY)  CONTS  C	ITEM NUMBER	APPROXIMATE QUANTITY	UNIT OF MEASURE	PAY ITEM UNIT PRICE (IN WORDS, INK OR TYPED)
288 LINEAR POOT  15.156 MILE  B.524 MILE  44 EACH  PLASTIC PAVEMENT STRIPING (SOLID LINE) (4" MIDTH)  PLASTIC PAVEMENT STRIPING (SOLID LINE) (4" MIDTH)  PLASTIC PAVEMENT STRIPING (BROKEN LINE) (4" MIDTH)  DO  PLASTIC PAVEMENT LEGENDS & SYMBOLS (ARROW)  PLASTIC PAVEMENT LEGENDS & SYMBOLS (ARROW)  DO  PLASTIC PAVEMENT LEGENDS & SYMBOLS (ARROW)  DO  PLASTIC PAVEMENT LEGENDS & SYMBOLS (ONLY)  DO  DO  DO  DO  DO  DO  DO  DO  DO  D	2-01-C	2,267	LINEAR FOOT	PLASTIC PAVEMENT STRIPING (8" WIDTH)
15.156 MILE  B.524 MILE  PLASTIC PAVEMENT STRIPING (SOLID LINE) (4" WIDTH)  PLASTIC PAVEMENT STRIPING (BROKEN LINE) (4" WIDTH)  PLASTIC PAVEMENT STRIPING (BROKEN LINE) (4" WIDTH)  PLASTIC PAVEMENT LEGENDS & SYMBOLS (ARROW)  PLASTIC PAVEMENT LEGENDS & SYMBOLS (ONLY)  PLASTIC PAVEMENT LEGENDS & SYMBOLS (ONLY)  DOCUMENT				DOLLARS
15.156 MILE  15.24 MILE  PLASTIC PAVEMENT STRIPING (SOLID LINE) (4" WIDTH)  PLASTIC PAVEMENT STRIPING (BROKEN LINE) (4" WIDTH)  PLASTIC PAVEMENT LEGENDS & SYMBOLS (ARROW)  PLASTIC PAVEMENT LEGENDS & SYMBOLS (ONLY)  22 EACH  DOCUMENT LEGENDS & SYMBOLS (ONLY)  DOCUMENT  DOCUMEN	2-01-E	288	LINEAR FOOT	(24" WIDTH)
15.156 MILE  B.524 MILE  PLASTIC PAVEMENT STRIPING (BROKEN LINE) (4" WIDTH)  B.524 MILE  PLASTIC PAVEMENT LEGENDS & SYMBOLS (ARROW)  PLASTIC PAVEMENT LEGENDS & SYMBOLS (ONLY)  PLASTIC PAVEMENT LEGENDS & SYMBOLS (ONLY)  DO  DO  DO  DO  DO  DO  DO  DO  DO  D	*****			DOLLARS
B . 524 MILE  B . 524 MILE  PLASTIC PAVEMENT STRIPING (BROKEN LINE) (4" WIDTH)  PLASTIC PAVEMENT LEGENDS & SYMBOLS (ARROW)  DO  DO  22 BACH  PLASTIC PAVEWENT LEGENDS & SYMBOLS (ONLY)  DO  DO	2-02-A	15.156	MILE	
B.524 MILE  PLASTIC PAVEMENT LEGENDS & SYMBOLS (ARROW)  DO  PLASTIC PAVEMENT LEGENDS & SYMBOLS (ONLY)  PLASTIC PAVEMENT LEGENDS & SYMBOLS (ONLY)  DO  DO  DO  DO  DO  DO  DO  DO  DO  D		and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	11	
PLASTIC PAVEMENT LEGENDS & SYMBOLS (ARROW)  DO  PLASTIC PAVEMENT LEGENDS & SYMBOLS (ONLY)  EACH  PLASTIC PAVEMENT LEGENDS & SYMBOLS (ONLY)  DO  DO	2-03-A	B.524	MILE	DOLLARS
PLASTIC PAVEMENT LEGENDS & SYMBOLS (ARROW)  DO  PLASTIC PAVEMENT LEGENDS & SYMBOLS (ONLY)  DO  DO  DO		,	1000	CENTS
PLASTIC PAVEWENT LEGENDS & SYMBOLS (ONLY)  DO  DO	2-04-A	4.4	EACH	PLASTIC PAVEMENT LEGENDS & SYMBOLS (ARROW)  DOLLARS
PLASTIC PAVEMENT LEGENDS & SYMBOLS (ONLY)  22 EACH  DO		70,		CENTS
	2-04-C	22	БАСН	
				CENTS

PAGE:

DATE: 01/22/09 11:13

LEAD PROJECT: 019-02-0051 OTHER PROJECTS:

PAY ITEM UNIT PRICE (IN WORDS, INK OR TYPED)	PLASTIC PAVEMENT LEGENDS & SYMBOLS (RR CROSSING)	CENTS REMOVAL OF EXISTING MARKINGS	DOLLARS	RUBBLIZING PORTLAND CEMENT CONCRETE PAVEMENT DOLLARS CENTS	DOLLARS	MAILBOX SUPPORTS (SINGLE)  DOLLARS  CENTS	TRENCHING AND BACKFILLING DOLLARS CENTS
UNIT OF MEASURE	PLASTIC PA	REMOVAL OF	MILE	SQUARE YARD	MAITBOXES EACH	MAILBOX ST	LINEAR FOOT
APPROXIMATE QUANTITY	œ		3.206	57,552	22	22	55
ITEM NUMBER	732-04-D		732-05	734-01	735-01	735-02	736-01

PAGE: 14

DATE: 01/22/09 11:13

и и			
36-02	APPROXIMATE QUANTITY	UNIT OF MEASURE	PAY ITEM UNIT PRICE (IN WORDS, INK OR TYPED)
000	145	LINEAR FOOT	CONDUIT WITH CONDUCTORS (1" PEC SCHEDULE 80, W/2 - #14 AWG CONDUCTORS)
00-344		en en en en en en en en en en en en en e	DOLLARS
	263	LINEAR FOOT	LOOP DETECTOR DOLLARS CENTS
736-10	2	БАСН	UNDERGROUND JUNCTION BOX DOLLARS CENTS
736-12-A	33 S	LINEAR FOOT	CONDUCTOR, 2C (LOOP LEAD-IN, #14 AWG)  DOLLARS  CENTS
739-01	5.95	ACRE	HYDRO-SEEDING DOLLARS CENTS
740-01	LUMP	LUMP SUM	CONSTRUCTION LAYOUT DOLLARS CENTS

15

DATE: 01/22/09 11:13 PAGE:

LEAD PROJECT: OTHER PROJECTS:

019-02-0051

ITEM NUMBER	APPROXIMATE QUANTITY	UNIT OF MEASURE	PAY ITEM UNIT PRICE (IN WORDS, INK OR TYPED)
		1	RUMBLE STRIPS (GROUND-IN)
8-001	13.2	MILE	
		PAIL AL	DOLLARS
			DYNAMIC MESSAGE SIGN UNIT
S-002	4	БАСН	
			DOLLARS
	7		CLEANING EXISTING DITCHES
S-003	2,000	LINEAR FOOT	
***************************************			DOLIARS
			CENTS
			SAW CULTING OF PORTLAND CEMENT CONCRETE PAVEMENT (10" DEEP)
S-004	5,544	LINEAR FOOT	
			CENTS
	77		CLEANING CONCRETE CURB
S-005	4,000	LINEAR FOOT	
			DOLLIARS
			CENTS
			FORESLOPE REPAIR
3-006	878.9	SQUARE YARD	
			DOLLARS
	****		CENTS

DATE: 01/22/09 11:13 PAGE: 16

019-02-0051 LEAD PROJECT: OTHER PROJECTS:

ITEM NUMBER	APPROXIMATE QUANTITY	UNIT OF MEASURE	PAY ITEM UNIT PRICE (IN WORDS, INK OR TYPED)
	7).		PAVEMENT & BASE REPAIR AT RUBBLIZED PAVEMENT (20" THICK)
S-007	150.0	SQUARE YARD	204.1.100
		-	CENTS
	70.		RAP TREATED INTERLAYER (4" THICK)
S-008	45,936	SQUARE YARD	
			DOLLARS
	-	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	ASPHALT EMULSION FOR RAP TREATED INTERLAYER
8-009	55,123	GALLONS	
			DOLIARS
			LIME FOR RAP TREATED INTERLAYER
S-010	1,515.9	CWT	
			DOLLARS
		7.0	CENTS
			SAW CULTING ASPHALTIC CONCRETE PATCHES (6" DEEP)
S-011	5,280	LINEAR FOOT	פמת דוחת
			CENTS

### 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.	019-02-0051	
FEDERAL AID PROJECT NO.	1705(513)	
NAME OF PROJECT	I-110 (AVOCET ST) – LA 964	

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 Diddle Desires To be exceeded From These I Atment Abicstment 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

### BIDDER SIGNATURE REQUIREMENTS (APPLICABLE TO ALL PROJECTS)

THIS BID FOR THE CAPTIONED PROJECT IS SUBMITTED BY:

If Joint Venture, Name of First Partner	If Joint Venture, Name of Second Partner
(Louisiana Contractor's License Number of Bidder or First Partner 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)
CTING ON BEHALF OF THE BIDDER, THIS IS TO ATTEST THAT BOVE CAPTIONED FIRM, CORPORATION OR BUSINESS, BY SI CCURACY OF ALL PROVISIONS OF THIS PROPOSAL, INCLUS ERTIFICATIONS ABOVE AND IN THE SCHEDULE OF ITEMS A	THE UNDERSIGNED DULY AUTHORIZED REPRESENTATIVE OF THE
CTING ON BEHALF OF THE BIDDER, THIS IS TO ATTEST THAT BOVE CAPTIONED FIRM, CORPORATION OR BUSINESS, BY SI CCURACY OF ALL PROVISIONS OF THIS PROPOSAL, INCLUS ERTIFICATIONS ABOVE AND IN THE SCHEDULE OF ITEMS AI DRM AND SUBMISSION OF THE SCHEDULE OF ITEMS AND PI	THE UNDERSIGNED DULY AUTHORIZED REPRESENTATIVE OF THE IBMISSION OF THIS BID, AGREES AND CERTIFIES THE TRUTH AND IVE OF THE REQUIREMENTS, STATEMENTS, DECLARATIONS AND ID PROPOSAL GUARANTY. EXECUTION AND SIGNATURE OF THIS
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CTING ON BEHALF OF THE BIDDER, THIS IS TO ATTEST THAT BOVE CAPTIONED FIRM, CORPORATION OR BUSINESS, BY SU CCURACY OF ALL PROVISIONS OF THIS PROPOSAL, INCLUS ERTIFICATIONS ABOVE AND IN THE SCHEDULE OF ITEMS AT DRIM AND SUBMISSION OF THE SCHEDULE OF ITEMS AND PIEGALLY BINDING OFFER BY THE BIDDER.  (Signature)	THE UNDERSIGNED DULY AUTHORIZED REPRESENTATIVE OF THE IBMISSION OF THIS BID, AGREES AND CERTIFIES THE TRUTH AND IVE OF THE REQUIREMENTS, STATEMENTS, DECLARATIONS AND ID PROPOSAL GUARANTY. EXECUTION AND SIGNATURE OF THIS COPOSAL GUARANTY SHALL CONSTITUTE AN IRREVOCABLE AND (Signature)
CTING ON BEHALF OF THE BIDDER, THIS IS TO ATTEST THAT BOVE CAPTIONED FIRM, CORPORATION OR BUSINESS, BY SI CCURACY OF ALL PROVISIONS OF THIS PROPOSAL, INCLUS ERTIFICATIONS ABOVE AND IN THE SCHEDULE OF ITEMS AND PROPOSAL FORM AND SUBMISSION OF THE SCHEDULE OF ITEMS AND PROPOSALLY BINDING OFFER BY THE BIDDER.  (Signature)  (Printed Name)	THE UNDERSIGNED DULY AUTHORIZED REPRESENTATIVE OF THE BMISSION OF THIS BID, AGREES AND CERTIFIES THE TRUTH AND IVE OF THE REQUIREMENTS, STATEMENTS, DECLARATIONS AND ID PROPOSAL GUARANTY. EXECUTION AND SIGNATURE OF THIS COPOSAL GUARANTY SHALL CONSTITUTE AN IRREVOCABLE AND (Signature)  (Signature)

CS-14AA 08/06