

ADDENDUM No. 1

FOR

REHABILITATION OF SEVENTH STREET
FREMAUX AVENUE TO GAUSE BOULEVARD

CITY OF SLIDELL, LOUISIANA
DEPARTMENT OF ENGINEERING

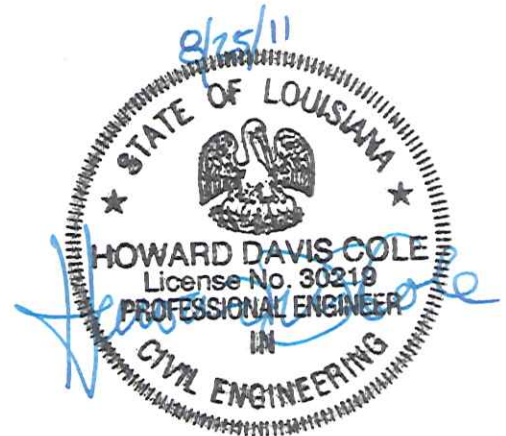
CITY OF SLIDELL PROJECT NO. 600 – 115
CITY OF SLIDELL BID NO. 12 - B009



Prepared by:



H. Davis Cole &
Associates, LLC
Consulting Engineers



H. DAVIS COLE & ASSOCIATES, LLC
2321 N. HULLEN STREET, SUITE B
METAIRIE, LA 70001
Phone (504) 836-2020
Fax (504) 836-2010

August 25, 2011

I. SCOPE

This Addendum 1, dated August 25, 2011, shall be part of the Contract Documents. The following items are issues to add, delete, modify, and clarify the Contract Documents. These items shall be part of and shall have full force and effect as the Contract Documents and the cost involved shall be included in the bid price.

Contractor shall acknowledge receipt of the addendum by inserting its number and date on the Bid Form. Failure to do so may subject the bidder to disqualification.

This Addendum No. 1 consists of 35 Pages including the title page and attachments.

II. PRE-BID CONFERENCE

The mandatory pre-bid conference was held on August 23, 2011 at 10:00 a.m. A copy of the sign-in sheet for the meeting is attached as "Attachment 1". The following items were discussed:

- 1) License Requirement for this project shall be "Highway and Bridge Construction".
- 2) Bid Information: Bids Opened
 Tuesday, August 30, 2011

City of Slidell, Louisiana
City Council Chambers
2045 Second Street
Slidell, LA 70458

Bid Bond required (5%).

Contractor shall meet all standard LA Public Bid Law requirements

Contract time shall be 120 calendar days to Substantial Completion

- 3) Asphalt Mix used for this job shall be LDOTD Type III per the Louisiana Standard Specifications for Roads and Bridges, **2000 Edition**.
- 4) Where referenced for this project, the LSSRB shall refer to the Louisiana Standard Specifications for Roads and Bridges, 2006 Edition, unless otherwise specified (see asphaltic concrete pavement mixtures)
- 5) The Material Transfer Vehicle (MTV) will not be used unless specified by the OWNER.
- 6) The Restricted Zone Boundary Requirements will be waived for these applications.

- 7) Recycled Asphalt Pavement (RAP) will be allowed in all binder courses up to a maximum of 30%. RAP will not be allowed in wearing courses.
- 8) Contractor shall dispose of RAP recovered during demolition of the existing street as directed by OWNER.
- 9) Pavement cores provided by the Owner are included in the drawings (see sheet C23).
- 10) Base Course for this project shall be stone conforming to LDOTD requirements for Class II Base Course as indicated in the specifications. Crushed Concrete or Soil Cement will not be allowed.
- 11) The Owner (City of Slidell) will complete the following testing/quality control scope:
 - A) One Base Course Thickness Verification per 600 square yards or fraction thereof
 - B) One Base Course Density Verification per 600 square yards or fraction thereof
 - C) One Density Test on Sub – Base (if applicable) per 600 square yards or fraction thereof
 - D) One Pavement Core for Verification of Pavement Thickness per 600 square yards or fraction thereof
 - E) One slump test per 100 cubic yards of concrete or fraction thereof
 - F) Four compressive cylinders (minimum) per 100 cubic yards of concrete or fraction thereof
 - G) One Marshall Stability Test per lot or batch of Asphaltic Concrete (at Contractor's plant)
 - H) One Aggregate Gradation per lot or batch of Asphaltic Concrete (at Contractor's plant)
 - I) One Pavement Density Test per lot or batch of Asphaltic Concrete (at Contractor's plant)
 - J) One Anti – Strip Additive per lot or batch of Asphaltic Concrete (at Contractor's plant)
 - K) Moisture Content, Atterburg Limits, Soil Classification on Granular Materials.

Any “failed test” shall be retested and the costs associated with re – testing shall be borne by the Contractor. Any necessary re – testing shall be conducted by LDOTD Certified Inspectors. Any costs associated with cancelled tests shall be borne by Contractor. Contractor shall coordinate and provide access to the Work and Plant as required for Testing.

- 12) Signal ‘loop’ type detectors shall be replaced in kind. Contractor shall coordinate with Owner and LDOTD.

Additionally, Bidders should fill out the bid bond form and submit bid bonds with the Slidell Project Number on the bid bond paperwork.

III. SPECIFICATIONS

1. **Bid Form** – **DELETE** pages CD-4 through CD-8 (inclusive) and **REPLACE** with attached pages CD-4 through CD-8 (inclusive).
2. **Contract Form** – **DELETE** pages CD-12 through CD – 13(inclusive) and **REPLACE** with attached pages CD – 12 through CD-13 (inclusive).
3. **Section 02461 – Reconstruction of Asphalt Streets** – **DELETE** entire section and **REPLACE** with attached revised Section 02461.

IV. DRAWINGS

1. **Sheet C1 (3 of 27).** **DELETE** sheet C1 and **REPLACE** with the attached.

CITY OF SLIDELL
STATE OF LOUISIANA

RECONSTRUCTION OF SEVENTH STREET
GAUSE BLVD TO FREMAUX AVENUE
CITY OF SLIDELL PROJECT 600-115
BID NUMBER 12-B009
HDCA Project No. 2010-10

Mandatory Pre-Bid Conference
August 23, 2011, 10:00 AM

NAME	COMPANY	PHONE	FAX	E-MAIL
Jacob Fawcett	Evry's Environmental	985 290-6963	504 854-0354	jindert@evryeng.com
Mrs SAUCIER	SAUCIER Const Co. Inc.	985 960 1050	985 863 0563	SAUCO 47 @ bellsouth.net
Michael Eastley	Barriere Construction	985-222-4430		Michael@barriere
BRIAN KILGREN	BARRIERE CONST	504-430-3213	504-569-3203	briank@barriere.com
RAY LOCKWOOD	COMMAND CONSTRUCTION	504-887-8795	504-887-8906	ray@commandindustries.com
Keith Pont	Kass Bros, Inc.	504-348-9018	504 340-0339	kpont@kassbros.com
Chuck Wale	Heng Shocks, LLC	601-798-2981	601-273-0562	cwale@hengshocksllc.com
Tim Mann	Starved, Inc.	985-630-4667	985-893-3989	tmann@starved.net
Nick Warren	Diamond B Construction	318-427-1356	318-427-1456	estimating@diamondb.com
KAREY DEFRAITES	BOH BROS.	504-827-7090	504-821-0714	Defraites@bohbro.com

CITY OF SLIDELL
STATE OF LOUISIANA

RECONSTRUCTION OF SEVENTH STREET
GAUSE BLVD TO FREMAUX AVENUE
CITY OF SLIDELL PROJECT 600-115
BID NUMBER 12-B009
HDCA Project No. 2010-10

Mandatory Pre-Bid Conference
August 23, 2011, 10:00 AM

MEETING SIGN IN

NAME	COMPANY	PHONE	FAX	E-MAIL
Paul Ramagos	Fleming Construction	504-461-4000	504-461-4536	pramagos@flemco.net
Kabe Miller	Hensley R. Lee Contracting	601-799-1335	601-799-1336	kabe@hrlccontracting.com
Kevin McDonald	McDonald Const. Inc.	985-641-8621	985-643-5192	ksmcdona@bellsouth.net
DAVID MARTIN	HDCA	(504) 836-2020	(504) 836-2010	dmartin@hdaviscol.com
SID TROUARD	HDCA	(504) 836-2020	(504) 836-2010	strouard@hdaviscol.com

LOUISIANA UNIFORM PUBLIC WORKS BID FORM

**TO: CITY OF SLIDELL
P.O. BOX 828
SLIDELL, LA 70459**

**BID FOR: RECONSTRUCTION OF 7TH STREET
PROJECT NUMBER 600-115
BID NUMBER 12-B009**

The undersigned bidder hereby declares and represents that she/he; a) has carefully examined and understands the Bidding Documents, b) has not received, relied on, or based his bid on any verbal instructions contrary to the Bidding Documents or any addenda, c) has personally inspected and is familiar with the project site, and hereby proposes to provide all labor, materials, tools, appliances and facilities as required to perform, in a workmanlike manner, all work and services for the construction and completion of the referenced project, all in strict accordance with the Bidding Documents prepared by: H. Davis Cole & Associates, LLC and dated: August 5,2011

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

No. ____ Dated: _____ No. ____ Dated: _____ No. ____ Dated: _____

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

_____ Dollars (\$ _____)

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

Alternate No. 1 (*Owner to provide description of alternate and state whether add or deduct*) for the lump sum of:
Altenrate Roadway Section (additive) _____ Dollars (\$ _____)

Alternate No. 2 (*Owner to provide description of alternate and state whether add or deduct*) for the lump sum of:
XXXXXXXX _____ Dollars (\$ X _____)

Alternate No. 3 (*Owner to provide description of alternate and state whether add or deduct*) for the lump sum of:
XXXXXXXX _____ Dollars (\$ X _____)

NAME OF BIDDER: _____

ADDRESS OF BIDDER: _____

LOUISIANA CONTRACTOR'S LICENSE NUMBER: _____

NAME OF AUTHORIZED SIGNATORY OF BIDDER: _____

TITLE OF AUTHORIZED SIGNATORY OF BIDDER: _____

SIGNATURE OF AUTHORIZED SIGNATORY OF BIDDER **: _____

DATE: _____

* The Unit Price Form shall be used, as this contract includes unit prices.

** If someone other than a corporate officer signs for the Bidder/Contractor, a copy of a corporate resolution or other signature authorization shall be required for submission of bid. Failure to include a copy of the appropriate signature authorization, if required, may result in the rejection of the bid unless bidder has complied with La. R.S. 38:2212(A)(1)(c) or RS 38:2212(O) .

BID SECURITY in the form of a bid bond, certified check or cashier's check as prescribed by LA RS 38:2218.A is attached to and made a part of this bid. If a bid bond is provided it shall be on the attached form and only on the attached form.

LOUISIANA UNIFORM PUBLIC WORKS BID FORM
UNIT PRICE FORM

TO: CITY OF SLIDELL
P.O. BOX 828
SLIDELL, LA 70459

BID FOR: RECONSTRUCTION OF 7TH STREET
PROJECT NUMBER 600-115
BID NUMBER 12-B009

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

DESCRIPTION: Removal and Disposal of Existing Asphaltic Concrete Pavement (Variable Thickness)				<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt. # _____
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
B - 001	9,000	SQ YD		

DESCRIPTION: General Excavation				<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt. # _____
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
B - 002	6,000	CU YD		

DESCRIPTION: Embankment				<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt. # _____
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
B - 003	1,000	CU YD		

DESCRIPTION: Geotextile Fabric				<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt. # _____
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
B - 004	9,500	SQ YD		

DESCRIPTION: Erosion Control Measures				<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt. # _____
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
B - 005	1	LUMP SUM		

DESCRIPTION: Class II Base Course, 12" Thick				<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt. # _____
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
B - 006	9,000	SQ YD		

DESCRIPTION: Scarifying and Compacting Road Bed				<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt. # _____
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
B - 007	9,000	SQ YD		

DESCRIPTION: Asphaltic Concrete Binder Course, 5" Thick				<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt. # _____
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
B - 008	3,000	TONS		

DESCRIPTION: Asphaltic Concrete Wearing Course, 3" Thick				<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt. # _____
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
B - 009	1,600	TONS		

DESCRIPTION: 15" RCP Drain Line				<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt. # _____
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
B - 010	270	LF		

DESCRIPTION: Catch Basin (Drop Inlets)				<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt. # _____
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
B - 011	2	EA		

DESCRIPTION: Concrete Walks, Drives, and Incidental Paving				<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt. # _____
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
B - 012	600.00	SY		

DESCRIPTION: Adjusting Manholes				<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt. # _____
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
B - 013	8	EA		

DESCRIPTION: Adjusting Drop Inlets				<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt. # _____
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
B - 014	8	EA		

DESCRIPTION: Adjusting Water Valve Box				<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt. # _____
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
B - 015	5	EA		

DESCRIPTION: Temporary Traffic Controls				<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt. # _____
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
B - 016	1	LUMP SUM		

DESCRIPTION: Mobilization				<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt. # _____
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
B - 017	1	LUMP SUM		

DESCRIPTION: Traffic Signs and Devices				<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt. # _____
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
B - 018	1	LUMP SUM		

DESCRIPTION: Raised Pavement Markers				<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt. # _____
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
B - 019	1	LUMP SUM		

DESCRIPTION: Thermoplastic Pavement Markers				<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt. # _____
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
B - 020	1	LUMP SUM		

DESCRIPTION: Construction Layout				<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt. # _____
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
B - 021	1	LUMP SUM		

DESCRIPTION: Sawcutting Pavement				<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt. # _____
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
B - 022	1	LUMP SUM		

DESCRIPTION: Water Connections				<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt. # _____
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
B - 023	5	EA		

DESCRIPTION: Sewer House Connections				<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt. # _____
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
B - 024	5	EA		

DESCRIPTION: Replacement of Traffic Detector Loops				<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt. # _____
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
B - 025	500.00	LF		

DESCRIPTION: Reconstruction of Asphalt Driveways				<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt. # ___
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
B - 026	600	SY		

DESCRIPTION: Deduct 6" of Class II Base Course (Deductive Alternate Item)				<input type="checkbox"/> Base Bid or <input checked="" type="checkbox"/> Alt. # __1__
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
A - 001	9,000	SQ YD		

DESCRIPTION: Deduct 1" of Asphaltic Concrete Binder Course (Deductive)				<input type="checkbox"/> Base Bid or <input checked="" type="checkbox"/> Alt. # __1__
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
A - 002	500	TONS		

DESCRIPTION: Granular Fill - 12" Thickness (Additive)				<input type="checkbox"/> Base Bid or <input checked="" type="checkbox"/> Alt. # __1__
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
A - 003	9,000	SQ YD		

DESCRIPTION: Additional General Excavation (Additive)				<input type="checkbox"/> Base Bid or <input checked="" type="checkbox"/> Alt. # __1__
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
A - 004	1,200	CU YD		

All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner.

CONTRACT FORM
FOR
RECONSTRUCTION OF SEVENTH STREET
CITY OF SLIDELL, LOUISIANA
SLIDELL JOB NO. 600-115

THIS AGREEMENT, made this _____ day of _____, 2011 at the City of Slidell, Parish of St. Tammany, State of Louisiana by and between the Mayor and City Council of the City of Slidell, Parish of St. Tammany, State of Louisiana, hereinafter called "Owner" and _____, hereinafter called the "Contractor."

WITNESSETH THAT, the Owner and Contractor do mutually agree as follows:

1. In consideration of the price for the work herein specified in the bid proposal to be paid by the Owner to the Contractor at the time and in a manner hereinafter provided, the Contractor does hereby agree to construct complete in every detail as follows:

RECONSTRUCTION OF SEVENTH STREET
CITY OF SLIDELL, LOUISIANA
SLIDELL JOB NO. 600-115

in compliance with the Advertisement of Bids, Proposal Form, Contract, Performance Bond, General Conditions, Specifications, Plans, and such Addenda thereto as may be issued prior to execution of this Contract, all in a thorough and workmanlike manner.

2. This price shall include the cost and expense to furnish all materials, supplies, machinery, equipment, tools, superintendence, labor, insurance, transportation, and other accessories and services necessary to complete this project, in accordance with the Contract Documents.
3. The Contractor shall commence work under this Contract within **ten (10) days** from the date of the written "Order to Proceed" issued by the Owner. The Contractor shall complete all work under the Contract within **ONE HUNDRED AND TWENTY (120) calendar days** from the date of the "Order to Proceed." The Owner has determined, and the Contractor agrees, that the liquidated damages for a delay in completion of this Contract will be **One Hundred Fifty Dollars (\$150.00)** per calendar day in excess of the stated time of completion.
4. That upon satisfactory completion of the work and approval by the Engineer, the Owner will issue a written acceptance of the work to the Contractor, who will immediately thereafter file same with the Recorder of Mortgages in St. Tammany Parish.
5. A retainage of ten percent (10%) shall be withheld from each progress payment. Upon successful clearance of the lien, the Contractor shall submit a final invoice, with the clear lien certificate, for payment by the Owner in accordance with invoice payment procedures outlined in Article 14.13 Final Payment. The retainage amount for contracts \$500,000.00 or greater shall be five percent (5%).

6. The Owner agrees to pay the Contractor for the performance of the Contract as provided in the Specifications, and to make monthly payments on account thereof provided in the General Conditions. The contract amount, as presented in bid by Contractor, is \$ _____
_____.
7. Owner and Contractor specifically agree and declare that Owner shall be deemed and considered the statutory employer of Contractor's employees.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed in **six (6)** original counterparts on the day and year first hereinabove written.

WITNESSES:

	Contractor
	Signature
	Title

WITNESSES:

	CITY OF SLIDELL Owner
	Signature
	Mayor Title

SECTION 02461 – ASPHALT ROADWAY RECONSTRUCTION

PART 1 -- GENERAL

1.1 THE REQUIREMENT

- A. The CONTRACTOR shall provide all materials, labor, equipment, and other necessary appurtenances to reconstruct asphalt roadways, complete and in place, in accordance with the Contract Documents and Reference Standards detailed herein.

1.2 REFERENCE SPECIFICATIONS, CODES, AND STANDARDS

- A. Reference Standards

LDOTD SSRB Louisiana Department of Transportation and Development
Standard Specifications for Roads and Bridges, 2006
Edition (LSSRB) (as amended herein {where applicable})

MUTCD Manual on Uniform Traffic Control Devices, Latest Edition

1.3 CONTRACTOR SUBMITTALS

- A. Where materials or equipment are specified to conform to the standards or publications specified herein, CONTRACTOR shall submit proof that the materials furnished under this section conform to such requirements. Published catalogue specification data that the items comply with the applicable standard specifications and publications will be acceptable evidence of such compliance. When published data or catalogue specifications do not indicate compliance with items specified herein, Certificates shall be prepared by the manufacturer to indicated conformance with the requirements of these specifications. Certified factory test reports shall be submitted when the manufacturer performs routine testing.
- B. Submittals shall be in accordance with Section 01300 - Contractor Submittals. Include materials testing reports, job-mix formulas, and other pertinent information satisfactory to the ENGINEER as specified herein.

1.4 REMOVAL OF STRUCTURES AND OBSTRUCTIONS (LDOTD SSRB Section 202)

- A. **DESCRIPTION:** This work consists of the removal or the relocation of structures, facilities or obstructions, hereinafter referred to as "structures" from the project right-of-way unless specified otherwise. The removal of a structure from the project right-of-way is the razing, demolishing, and disposal of the item after salvageable parts, components, and materials, as designated on the plans, have been recovered by the contractor.
- B. **GENERAL:** This work shall be in accordance with the plans and the requirements of Section 202 of the LSSRB, 2006 and latest revisions. Removal and disposal of materials, material to be salvaged such as signs, traffic signals, and other relevant requirements shall be as directed by the OWNER. CONTRACTOR shall dispose of recycled asphalt pavement as directed by OWNER.
- C. **MATERIALS: NOT USED**
- D. **EQUIPMENT: NOT USED**

E. **SUBMITTALS: NOT USED**

- F. **MEASUREMENT AND PAYMENT:** Removal of existing roadway materials beneath the existing asphaltic concrete pavement will be paid under general excavation measured by the theoretical volume based upon horizontal dimensions (See next section). Measurement and payment for will be made under the following items, which shall be full compensation for all required materials, tools, equipment, labor, and incidental work necessary to complete the item:

Item No	Pay Item	Pay Unit
B - 001	Removal and Disposal of Asphaltic Concrete Pavement (Variable Thickness)	Square Yard

1.5 EXCAVATION AND EMBANKMENT (LDOTD SSRB Section 203)

- A. **DESCRIPTION:** This work consists of excavation, disposal, placements, and compaction of all materials that are not provided for under other sections of these specifications, including excavation and embankment for roadways, driveways, sidewalks, medians, other structures, tree stumps, and all grading operations necessary for the work in accordance with these specifications and the lines, grades, thicknesses, and typical cross sections shown on the plans or established by the ENGINEER.
- B. **GENERAL:** This work shall be in accordance with the plans and the requirements of Section 203 of the LSSRB, 2006 and latest revisions. The CONTRACTOR shall carry out the excavation to line, grade, and cross slope as shown on the plans, Excavation to final sub grade shall be carefully executed as to not damage existing utilities to remain. CONTRACTOR shall be responsible for repairing and replacing any portion of existing utilities damaged through over – excavation and/or careless operations at his own cost. All repairs shall be completed in accordance with City of Slidell standards. Over – excavation of the roadway shall be brought to plan sub – grade elevation with granular material conforming to LDOTD LSSRB sub – section 1003.07 at CONTRACTOR's expense.
- C. **MATERIALS: Embankment:** Embankment shall be select fill (soil) material conforming to the requirements of Section 203.06 of the LSSRB. Soil shall be approved by the ENGINEER prior to being placed in embankment other uses on the project. A plastic embankment material (non – cohesive) shall be required for roadway shoulders as shown on the plan details or directed by the ENGINEER. The plastic embankment material shall be usable on-site excavated material or borrow material classified as CH or CL and free from waste, rubbish, large rocks, or other deleterious matter. The plastic embankment material shall conform to subsections 203.06 and 203.10 of the LSSRB. **Geotextile:** Geotextile shall be class D fabric in conformance to Section 1019 of the LSSRB.
- D. **EQUIPMENT: NOT USED**
- E. **SUBMITTALS: Proof of Compliance -** CONTRACTOR shall submit proof that the materials furnished under this section conform to such requirements. Published catalogue specification data that the items comply with the applicable standard

specifications and publications will be acceptable evidence of such compliance. When published data or catalogue specifications do not indicate compliance with items specified herein, Certificates shall be prepared by the manufacturer to indicated conformance with the requirements of these specifications. Certified factory test reports shall be submitted when the manufacturer performs routine testing.

- F. **MEASUREMENT AND PAYMENT:** General excavation and embankment shall be measured by theoretical volume in place. Payment for fabric shall be the design fabric areas as specified on the plans and any adjustments thereto. Overlaps will not be considered additional quantity for payment. Design quantities are based upon the surface areas shown on the plans to receive fabric, and will be adjusted if the ENGINEER makes changes to adjust for field conditions, if plan errors are proven, or if design changes are made. Measurement and payment for will be made under the following items, which shall be full compensation for all required materials, tools, equipment, labor, and incidental work necessary to complete the item:

Item No	Pay Item	Pay Unit
B – 002	General Excavation	Cubic Yard
B – 003	Embankment	Cubic Yard
B – 004	Geotextile Fabric	Square Yard

1.6 TEMPORARY EROSION CONTROL (LDOTD SSRB Section 204)

- A. **DESCRIPTION:** This work consists of constructing and maintaining temporary erosion control features shown on the plans or as directed by the ENGINEER. Installation of temporary erosion control measures shall be coordinated with construction of permanent erosion control features to the extent necessary to ensure economical, effective, and continuous control of erosion and water pollution throughout the life of the project.
- B. **GENERAL:** Temporary Erosion Control shall be in accordance with the requirements of Section 204 of the LSSRB, 2006, and latest revisions.
- C. **MATERIALS:** Materials shall be as specified within Subsection 204.03 of the LSSRB.
- D. **EQUIPMENT: NOT USED**
- E. **SUBMITTALS:** CONTRACTOR shall submit proof that the materials furnished under this section conform to such requirements. Published catalogue specification data that the items comply with the applicable standard specifications and publications will be acceptable evidence of such compliance. When published data or catalogue specifications do not indicate compliance with items specified herein, Certificates shall be prepared by the manufacturer to indicated conformance with the requirements of these specifications. Certified factory test reports shall be submitted when the manufacturer performs routine testing.
- F. **MEASUREMENT AND PAYMENT:** Measurement and payment for will be made under the following items, which shall be full compensation for all required materials, tools, equipment, labor, and incidental work necessary to complete the item:

Item No	Pay Item	Pay Unit
B – 005	Erosion Control Measures	Lump Sum

1.7 CLASS II BASE COURSE (LDOTD SSRB Section 302)

- A. **DESCRIPTION:** This work consists of furnishing and placing a crushed limestone Class II Base Course on a prepared surface in accordance with the Plans and the requirements contained within the specifications. Class II base course shall be compacted to at least 95% of maximum dry density near optimum water content in accordance with ASTM D 1557. The density of the Class II base course in place shall be checked by the testing laboratory prior to installation of paving.
- B. **GENERAL:** This work shall be in accordance with the requirements of Section 302 of the LSSRB, 2006, and latest revisions.
- C. **MATERIALS:** Crushed stone Class II Base Course used for this work shall be crushed limestone, in compliance with Subsections 1003.01 and 1003.03(b) of the LSSRB. The material shall consist of 100% crushed stone and be free of soil, roots, debris, rubbish, or any other deleterious materials. The presence of any other material that is not limestone may serve as the basis for rejection of the material upon visual inspection.

Testing: Prior to laying base course, CONTRACTOR shall submit sample of proposed base course material. Once the base course material sample from an approved supplier's stockpile is tested for gradation requirements and accepted by the ENGINEER, no material shall be added to the approved, tested stockpile. The stockpile shall be retested any time the stockpile is replenished. The CONTRACTOR shall pay for any additional testing after the first test each time the dedicated stockpile is replenished, or when it is observed by the ENGINEER or OWNER representative that the material delivered on site differs from the material previously tested and approved.

OWNER will conduct one compaction test per 600 square yards of base placed or fraction thereof. At each density testing location, the OWNER will pay for one test only; failed tests shall be charged to the CONTRACTOR. Test failures may be due to insufficient compaction, being outside of the acceptable moisture content range, or both. After two successive test failures due to lack of sufficient compaction at one location, the CONTRACTOR shall remove the base material, re - compact and test the sub – base, and place new base material at the location. After a test failure due to moisture content, the CONTRACTOR shall take active measures to correct the problem prior to re – testing. The CONTRACTOR will not be paid for the installation of unacceptable base material nor will payment be made for pavement placed on top of unacceptable base material. Furthermore, any work related to the use of unacceptable base material shall be paid for by the CONTRACTOR.

- D. **EQUIPMENT: NOT USED**
- E. **SUBMITTALS:** CONTRACTOR shall submit proof that the materials furnished under this section conform to such requirements. Published catalogue specification data that the items comply with the applicable standard specifications and publications will be acceptable evidence of such compliance. When published data or catalogue specifications do not indicate compliance with items specified herein, Certificates shall be prepared by the manufacturer to indicated conformance with the requirements of these specifications. Certified factory test reports shall be submitted when the manufacturer performs routine testing.

- F. **MEASUREMENT AND PAYMENT:** The quantities for Class II Base Course are based upon the surface areas shown on the plans to receive Class II Base Course. Measurement and payment for will be made under the following items, which shall be full compensation for all required materials, tools, equipment, labor, and incidental work necessary to complete the item:

Item No	Pay Item	Pay Unit
B – 006	Class II Base Course, 12” Thick	Square Yard

1.8 SCARIFYING AND COMPACTING ROADBED (LDOTD SSRB Section 306)

- A. **DESCRIPTION:** This work consists of scarifying, shaping, and compacting an existing roadbed to form a subbase or base course in accordance with these specifications, and in conformity with the lines, grades, depth, and cross section shown on the plans or established. Existing materials shall be scarified for the full width of road bed at a minimum depth of 6 inches, shaped to the required section, and uniformly compacted to at least 95 percent of the maximum dry density for sub base. Any damage to the scarified roadbed prior to compaction shall be corrected at no direct pay. The scarified, shaped, and compacted roadbed shall have a smooth, uniform, closely knit surface, free from ridges, waves, depressions, or loose materials, the ENGINEER or OWNER’s representative will perform an inspection to determine whether the base is acceptable before any further construction takes place.
- B. **GENERAL:** This work shall be in accordance with the requirements of Section 306 of the LSSRB, 2006, and latest revisions.
- C. **MATERIALS:** Per LSSRB.
- D. **EQUIPMENT:** Per LSSRB.
- E. **SUBMITTALS: NOT USED**
- F. **MEASUREMENT AND PAYMENT:** The quantities of scarifying and compacting the roadbed for payment will be the design lengths or area as specified in the plans and adjustments thereto. Design quantities are based upon the horizontal dimensions of the roadbed shown on the plans. Design quantities will be adjusted when the ENGINEER makes changes to adjust to field conditions, if plan errors are proven, or when design changes are necessary. Measurement and payment for will be made under the following items, which shall be full compensation for all required materials, tools, equipment, labor, and incidental work necessary to complete the item:

Item No	Pay Item	Pay Unit
B – 007	Scarifying and Compacting Road Bed	Square Yard

1.9 TRAFFIC MAINTENANCE AGGREGATE (LDOTD SSRB Section 403)

- A. **DESCRIPTION:** This work consists of furnishing, placing, and removing aggregate surfacing for maintenance of traffic as directed and in accordance with the plans and specifications.

- B. **GENERAL:** This work shall be in accordance with the requirements of Section 403 of the LSSRB, 2006, and latest revisions.
 - C. **MATERIALS: NOT USED**
 - D. **EQUIPMENT: NOT USED**
 - E. **SUBMITTALS:** CONTRACTOR shall submit proof that the materials furnished under this section conform to such requirements. Published catalogue specification data that the items comply with the applicable standard specifications and publications will be acceptable evidence of such compliance. When published data or catalogue specifications do not indicate compliance with items specified herein, Certificates shall be prepared by the manufacturer to indicated conformance with the requirements of these specifications. Certified factory test reports shall be submitted when the manufacturer performs routine testing.
 - F. **MEASUREMENT AND PAYMENT:** There shall be no direct pay for traffic maintenance aggregate.
- 1.10 ASPHALTIC CONCRETE MIXTURES (**LDOTD SSRB Section 501 (Specification Year 2000)**)

- A. **DESCRIPTION:** These specifications are applicable to asphaltic wearing and binder courses of plant mix type. The work consists of furnishing and construction more or more courses of asphaltic concrete mixture applied hot in conformance with the lines, thicknesses, and typical cross sections shown on the plans or established by the ENGINEER. The mixture shall consist of aggregates with additives, combined in such proportions as to meet the requirements outlined in part C of this sub – section (Materials). The CONTRACTOR shall notify residents affected by the construction and ensure that parked vehicles are removed from the construction area.

When paved driveways, paved shoulders not to be overlaid, and paved parking areas, etc. outside of the area to be reconstructed require additional asphaltic concrete to be placed outside the normal limits, CONTRACTOR shall provide a smooth vertical transition to facilitate drainage and access. The limits of such additional asphalt concrete shall be as directed by the ENGINEER or OWNER's representative, but in no cases shall extend past the existing right of way. Methods of placement and compaction shall be as approved by the ENGINEER. Surface tolerances shall not apply, but area shall be finished to the satisfaction of the OWNER and ENGINEER.

- B. **GENERAL:** This work shall be in accordance with the requirements of Section 501, 50 of the LSSRB, 2000 edition.

The **Material Transfer Vehicle (MTV)** will not be used.

The **Restricted Zone Boundary Requirements** will be waived for this application unless noted otherwise.

- C. **MATERIALS:** Asphalt binder course shall be Type 3 Binder Course as specified in the LSSRB (2000 Edition). Binder course shall be either ½", ¾", or 1" nominal aggregate size (see chart below). Once a size is chosen, CONTRACTOR shall not change sizes unless approved by the ENGINEER or OWNER. Reclaimed Asphalt Pavement (RAP) will be allowed in all Binder Courses up to a maximum of 30%. Mixes containing 0-20% and up to 30% shall use PG58-28 (AC-10) asphalt cement.

Asphalt wearing course shall Type 3 Wearing Course as specified in the LSSRB (2000 Edition). Wearing course shall be ½” nominal aggregate size. The asphalt cement shall be PG 62-22 (AC-30) unless otherwise specified. RAP will not be allowed in wearing courses.

CONTRACTOR shall keep accurate records, including proof of deliveries of all materials for use in Asphaltic Concrete mixtures. Copies of these records shall be furnished to the ENGINEER or OWNER upon request. Materials to be used must be listed on the current LDOTD Qualified Product List (QPL). CONTRACTOR’s plant shall be operated to produce, on a continuous basis, a mixture uniformly conforming to the approved job mix formula.

There shall be no visible segregation of the asphaltic concrete mix. Before each lift is rolled, the textured of the unrolled material shall be checked to ensure its uniformity. Any areas of segregation or other surface irregularities shall be corrected prior to rolling. All areas containing insufficient amounts of liquid asphalt binder, all areas showing segregation of materials, and all areas unbounded after rolling shall be removed and replaced by the CONTRACTOR at no additional cost to the OWNER.

Table 1.10-1 below provides specific information on mix requirements:

Table 1.10-1 – Mix Table, Type 3 Asphaltic Concrete Mixtures

US Sieve Size	1/2" Nominal Size	3/4" Nominal Size	1" Nominal Size	Tolerances
1-1/2"			100	±6
1"		100	90 - 100	±6
3/4"	100	90 - 100	89 Max.	±6
1/2"	90 - 100	89 Max.		±6
3/8"	89 Max.			±6
#4				±6
#8	28 - 58	23 - 49	19 - 45	±5
#16				±3
#30				±3
#50				±3
#100				±2.0
#200	2.0 - 10.0	2.0 - 8.0	1.0 - 7.0	±2.0
Extracted AC				±0.4
Mix Temp.				±25
% Cushed				
Marshall Stability	75 Blow Design	75 Blow Design	75 Blow Design	
Design	1700	1700		
Minimum	1500	1500		
Individual	1300	1300		
Flow 1/100"	6 - 15	6 - 15	6 - 15	
% Air Voids	3 - 5	3 - 5	3 - 5	
% VFA	*	*	*	
% VMA	14.0	13	12	

* % VFA is for information purposes only.

Testing: OWNER will conduct the quality control/quality assurance testing listed below. Any “failed test” shall be retested and the costs associated with re – testing shall be borne by the Contractor. Any necessary re – testing shall be conducted by LDOTD Certified Inspectors. Any costs associated with cancelled tests shall be borne by Contractor. Contractor shall coordinate and provide access to the Work and Plant as required for Testing.

OWNER (or OWNER's representative) will perform at CONTRACTOR's plant per lot or batch of asphaltic concrete:

- Gradation
- Percent Crushed Aggregate
- Percent Asphalt Content
- Asphalt Cement Properties
- Percent Anti - strip
- VMA
- Theoretical Maximum Specific Gravity
- Marshall Stability

OWNER (or OWNER's representative) will perform at site:

- Pavement Density (1 per 600 square yards)
- Verification of Pavement Thickness (1 per 600 square yards)

- D. **EQUIPMENT:** All equipment, asphalt, plant, paver, rollers, trucks, etc. used on this project shall be certified in accordance with current LDOTD procedures, per Section 503 of the LSSRB (2000 Edition).
- E. **SUBMITTALS:** CONTRACTOR shall submit job mix formula for review prior to production and placement of asphaltic concrete. If contractor elects to use RAP in binder courses, CONTRACTOR will obtain a minimum of two samples and submit to OWNER for testing for extracted gradation, percent crushed, and asphalt content. Costs for retesting associated with failed tests will be the responsibility of the CONTRACTOR.
- F. **MEASUREMENT AND PAYMENT:** CONTRACTOR shall provide stamped tickets for each truckload of material. Material lost, wasted, rejected, or applied contrary to the specifications will not be measured for payment. No payment will be made for asphaltic concrete placed without haul tickets signed or initialed by OWNER's representative. Measurement for asphalt binder and wearing course shall be made by ton. Tack coat prime coat, and curing compound will be included in the cost of asphalt. No direct payment will be made for these items.

Asphaltic concrete will be paid for at the contract unit price per square yard. When the mixture does not conform to acceptance requirements, payment will be made at an adjusted price per unit of measurement in accordance with Section 501 of the LSSRB, 2000 Edition. The lowest percentage of contract price will be used for the final adjustment in unit price for deficiencies in Marshall stability, pavement density, aggregate gradation, and anti – strip additive.

The quantities of asphaltic concrete shown are based upon 110 lbs/sq.yd/inch thickness. The theoretical specific gravity of the job mix shall not exceed 2.55.

Measurement and payment for will be made under the following items, which shall be full compensation for all required materials, tools, equipment, labor, and incidental work necessary to complete the item:

Item No	Pay Item	Pay Unit
B – 008	Asphaltic Concrete Binder Course, 5” Thick	Ton
B – 009	Asphaltic Concrete Wearing Course, 3” Thick	Ton

1.11 CULVERTS AND STORM DRAINS (LDOTD SSRB Section 701)

- A. **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 plans and specifications and in conformity with lines and grades shown on the plans or established.

Alignment and elevations of drain lines may be adjusted at the discretion of the ENGINEER.

CONTRACTOR shall furnish new pipe, fittings, or other materials required. CONTRACTOR shall replace, at his own expense, any pipe, fittings, and other materials existing which are damaged by his operations.

- B. **GENERAL:** This work shall be in accordance with the requirements of Section 701 of the LSSRB, 2006, and latest revisions.

- C. **MATERIALS:** Per LSSRB. Pipe shall be sizes and types appearing in the plans and should comply with Section 701 of the LSSRB. Bedding shall consist of gravel or crushed stone conforming to Section 726 and 1003.08 of the LSSRB and in accordance with the details shown on the drawings. Backfill shall consist of compacted river sand compacted to 97% of maximum dry density at optimum moisture content and shall be free of deleterious matter and shall be capable of being compacted to the lines, grade, and thicknesses shown on the plans. Reinforced concrete pipe (RCP) shall be ASTM Classification C – 76, Class III, Type 2 Joint, and in conformance with LSSRB Sections 701, 1006, and 1007.

- D. **EQUIPMENT:** Per LSSRB.

- E. **SUBMITTALS:** CONTRACTOR shall submit proof that the materials furnished under this section conform to such requirements. Published catalogue specification data that the items comply with the applicable standard specifications and publications will be acceptable evidence of such compliance. When published data or catalogue specifications do not indicate compliance with items specified herein, Certificates shall be prepared by the manufacturer to indicated conformance with the requirements of these specifications. Certified factory test reports shall be submitted when the manufacturer performs routine testing.

- F. **MEASUREMENT AND PAYMENT:** CONTRACTOR shall provide excavation, timber foundation, bedding, sheeting and bracing, filter cloth, any necessary sawcutting, plugs, and granular backfill in accordance with the plan details at no direct payment. Excavated material shall be either stockpiled on site for use as embankment elsewhere on the project or disposed of offsite by the CONTRACTOR at no additional cost. Payment shall constitute full compensation for excavation placing of pipe, and backfill as shown on the plans. Measurement and payment for will be made under the following items, which shall

be full compensation for all required materials, tools, equipment, labor, and incidental work necessary to complete the item:

Item No	Pay Item	Pay Unit
B – 010	15" RC Drain Pipe	Linear Foot

1.12 MANHOLES, JUNCTION BOXES, AND CATCH BASINS (LDOTD SSRB Section 702)

- A. **DESCRIPTION:** This work consists of the construction, installation, and adjustment of manholes, junction boxes, catch basins, culvert end treatments and safety ends in accordance with the lines and grades shown on the plans or established.
- B. **GENERAL:** This work shall be in accordance with the requirements of Section 702 of the LSSRB, 2006, and latest revisions. Adjustment of manholes or catch basins will be accomplished by removal or the addition in height of necessary brick; concrete, or reinforcing steel to achieve new elevation of the structure to match surrounding elevations. The adjustment of sewer cleanouts and water valve boxes will be accomplished by removing and replacing the existing stack or riser with a new stack or riser at the proper length to allow for the cover to match the surrounding elevations. Existing grating, framing, and covers will be cleaned and reused if in good condition.
- C. **MATERIALS:** Per LSSRB.
- D. **EQUIPMENT: NOT USED**
- E. **SUBMITTALS:** CONTRACTOR shall submit proof that the materials furnished under this section conform to such requirements. Published catalogue specification data that the items comply with the applicable standard specifications and publications will be acceptable evidence of such compliance. When published data or catalogue specifications do not indicate compliance with items specified herein, Certificates shall be prepared by the manufacturer to indicated conformance with the requirements of these specifications. Certified factory test reports shall be submitted when the manufacturer performs routine testing.
- F. **MEASUREMENT AND PAYMENT:** No measurement or direct payment shall be made for excavation, sheeting, bracing, crushed stone bedding, granular backfill, or any other incidental construction of the drainage structures under this Section. The accepted quantities of manholes, catch basins, and other structures as per the plans shall be paid for at the contract unit price for each, which shall be full compensation for all required materials, tools, equipment, labor, and incidental work necessary to complete the item. Measurement and payment for will be made under the following items, which shall be full compensation for all required materials, tools, equipment, labor, and incidental work necessary to complete the item:

Item No	Pay Item	Pay Unit
B – 011	Catch Basin (Drop Inlet)	Each
B – 012	Adjusting Manhole	Each
B – 013	Adjusting Drop Inlet	Each
B – 014	Adjusting Water Valve Box	Each

1.13 CONCRETE WALKS, DRIVES, AND INCIDENTAL PAVING (LDOTD SSRB Section 706)

- A. **DESCRIPTION:** This work consists of furnishing and constructing Portland cement concrete (PCC) walks, handicapped curb ramps, drives, and incidental paving slabs in accordance with lines, grades, and dimensions shown on the plans or established.
- B. **GENERAL:** This work shall be in accordance with the requirements of Section 706 of the LSSRB, 2006, and latest revisions. Construction shall conform to the details shown on the drawings. All incidental concrete paving to have a broom finish. Existing driveways will be replaced in like kind with no additional payment.
- C. **MATERIALS:** Per LSSRB.
- D. **EQUIPMENT:** Per LSSRB.
- E. **SUBMITTALS: NOT USED**
- F. **MEASUREMENT AND PAYMENT:** No measurement shall be made for reinforcing steel, joint materials, saw cuts, curing membrane, curb transitions, excavation, or fill. Payment shall be full compensation for all required materials, tools, equipment, labor, and incidental work necessary to complete the item. Measurement and payment for will be made under:

Item No	Pay Item	Pay Unit
B – 015	Concrete Driveways	Square Yard

1.14 TEMPORARY TRAFFIC CONTROL (LDOTD SSRB Section 713)

- A. **DESCRIPTION:** This work consists of furnishing, installing, maintaining, and removing temporary traffic barricades, pre-cast concrete barriers, lights, signals, pavement markings and signs, providing flaggers and complying with all other requirements regarding the protection of the work, workers, and public safety.
- B. **GENERAL:** This work shall be in accordance with the requirements of the Manual on Uniform Traffic Control Devices (MUTCD) and Section 706 of the LSSRB, 2006, and latest revisions.
- C. **MATERIALS: NOT USED**
- D. **EQUIPMENT: NOT USED**
- E. **SUBMITTALS: NOT USED**

- F. **MEASUREMENT AND PAYMENT:** Measurement and payment for will be made under the following items, which shall be full compensation for all required materials, tools, equipment, labor, and incidental work necessary to complete the item:

Item No	Pay Item	Pay Unit
B – 016	Temporary Traffic Controls	Lump Sum

1.15 MOBILIZATION (LDOTD SSRB Section 727)

- A. **DESCRIPTION:** This work consists of preparatory work operation, and operations, including those necessary for the movement of personnel, equipment, supplies, and incidentals to the project site, the cost of bonds and any other required insurance, and other pre-construction expenses necessary for the start of the work.
- B. **GENERAL:** This work shall be in accordance with Section 727 of the LSSRB, 2006, and latest revisions.
- C. **MATERIALS: NOT USED**
- D. **EQUIPMENT: NOT USED**
- E. **SUBMITTALS: NOT USED**
- F. **MEASUREMENT AND PAYMENT:** Measurement and payment for will be made under the following items, which shall be full compensation for all required materials, tools, equipment, labor, and incidental work necessary to complete the item:

Item No	Pay Item	Pay Unit
B – 017	Mobilization	Lump Sum

1.16 TRAFFIC SIGNS AND DEVICES (LDOTD SSRB Section 729)

- A. **DESCRIPTION:** This work consists of furnishing and installing traffic signs, dead end road installations, markers and delineators, with accessories, posts, and overhead spans of specified materials, sizes, shapes, weights, and designs.
- B. **GENERAL:** This work shall be in accordance with Section 729 of the LSSRB, 2006, the MUTCD, latest edition. Signs shall be fabricated in an approved plant.
- C. **MATERIALS:** Per LSSRB.
- D. **EQUIPMENT:** Per LSSRB.
- E. **SUBMITTALS:** CONTRACTOR shall submit proof that the materials furnished under this section conform to such requirements. Published catalogue specification data that the items comply with the applicable standard specifications and publications will be acceptable evidence of such compliance. When published data or catalogue specifications do not indicate compliance with items specified herein, Certificates shall be prepared by the manufacturer to indicated conformance with the requirements of these specifications. Certified factory test reports shall be submitted when the manufacturer performs routine testing.

- F. **MEASUREMENT AND PAYMENT:** Measurement and payment for will be made under the following items, which shall be full compensation for all required materials, tools, equipment, labor, and incidental work necessary to complete the item:

Item No	Pay Item	Pay Unit
B – 018	Traffic Signs and Devices (Permanent)	Lump Sum

1.17 RAISED PAVEMENT MARKERS (LDOTD SSRB Section 731)

- A. **DESCRIPTION:** This work consists of furnishing and placing raised pavement markers in accordance with the plan details. CONTRACTOR shall be responsible for field layout and alignment of the markers in accordance with the plan details.
- B. **GENERAL:** This work shall be in accordance with Section 731 of the LSSRB, 2006, and latest revisions.
- C. **MATERIALS:** Per LSSRB.
- D. **EQUIPMENT: NOT USED**
- E. **SUBMITTALS:** CONTRACTOR shall submit proof that the materials furnished under this section conform to such requirements. Published catalogue specification data that the items comply with the applicable standard specifications and publications will be acceptable evidence of such compliance. When published data or catalogue specifications do not indicate compliance with items specified herein, Certificates shall be prepared by the manufacturer to indicated conformance with the requirements of these specifications. Certified factory test reports shall be submitted when the manufacturer performs routine testing.
- F. **MEASUREMENT AND PAYMENT:** Measurement and payment for will be made under the following items, which shall be full compensation for all required materials, tools, equipment, labor, and incidental work necessary to complete the item:

Item No	Pay Item	Pay Unit
B – 019	Raised Pavement Markers	Lump Sum

1.18 THERMOPLASTIC PAVEMENT MARKINGS (LDOTD SSRB Section 732)

- A. **DESCRIPTION:** This work consists of furnishing and placing reflective pavement markings of hot applied thermoplastic or pre-formed (cold or hot applied) plastic plastic at the locations shown on the plans. This work shall be in accordance with the MUTCD, the plans, and these specifications.
- B. **GENERAL:** This work shall be in accordance with Section 732 of the LSSRB, 2006, and latest revisions.
- C. **MATERIALS:** Per LSSRB.
- D. **EQUIPMENT: NOT USED**

- E. **SUBMITTALS:** CONTRACTOR shall submit proof that the materials furnished under this section conform to such requirements. Published catalogue specification data that the items comply with the applicable standard specifications and publications will be acceptable evidence of such compliance. When published data or catalogue specifications do not indicate compliance with items specified herein, Certificates shall be prepared by the manufacturer to indicated conformance with the requirements of these specifications. Certified factory test reports shall be submitted when the manufacturer performs routine testing.
- F. **MEASUREMENT AND PAYMENT:** Measurement and payment for will be made under the following items, which shall be full compensation for all required materials, tools, equipment, labor, and incidental work necessary to complete the item:

Item No	Pay Item	Pay Unit
B – 020	Thermoplastic Pavement Markings	Lump Sum

1.19 CONSTRUCTION LAYOUT (LDOTD SSRB Section 740)

- A. **DESCRIPTION:** This work consists of establishing lines and grades, taking all cross sections, and staking out the construction work in accordance with the plans and with these specifications.
- B. **GENERAL:** This work shall be in accordance with Section 740 of the LSSRB, 2006, and latest revisions. Horizontal and Vertical Control shall be as indicated within the general notes of the plans.
- C. **MATERIALS: NOT USED**
- D. **EQUIPMENT: NOT USED**
- E. **SUBMITTALS: NOT USED**
- F. **MEASUREMENT AND PAYMENT:** Measurement and payment for will be made under the following items, which shall be full compensation for all required materials, tools, equipment, labor, and incidental work necessary to complete the item:

Item No	Pay Item	Pay Unit
B – 021	Construction Layout	Lump Sum

1.20 SAWCUTTING EXISTING PAVEMENT (SUPPLEMENTAL)

- A. **DESCRIPTION:** This work consists of sawcutting existing pavement to facilitate the removal of pavement, driveways, sidewalks, and curbs where applicable. This shall consist of cutting a clean groove along the edge of pavement to be removed as shown on the plans or as directed by the ENGINEER.
- B. **GENERAL:** All cuts shall be made with a vertical face at right angles to any existing pavement edge of the pavement edge or curb as directed by the ENGINEER or shown on the plans. All cuts shall be made to a true line and clean. The depth of cuts shall be full – depth without damage to the surrounding pavement or structures to be left in place.

After the edges have been cut, the areas to be removed shall be broken into small pieces with pneumatic chisels or drilled and the matter removed. Cuts shall be made such that existing reinforcing steel is not damaged. Any damage to the surrounding pavement to remain in place shall be replaced at the expense of the CONTRACTOR.

C. **MATERIALS: NOT USED**

D. **EQUIPMENT: NOT USED**

E. **SUBMITTALS: NOT USED**

F. **MEASUREMENT AND PAYMENT:** Measurement and payment for will be made under the following items, which shall be full compensation for all required materials, tools, equipment, labor, and incidental work necessary to complete the item:

Item No	Pay Item	Pay Unit
B – 022	Asphalt or Portland Cement Concrete Saw Cut	Lump Sum

1.21 WATER CONNECTIONS (SUPPLEMENTAL)

A. **DESCRIPTION:** This work consists of the installation of water services in accordance with the plan details and in accordance with requirements of the OWNER (City of Slidell).

Alignment and elevations shall be as directed by the ENGINEER and by the OWNER's representative in the field. The CONTRACTOR shall conduct his operations in such manner as to cause the least interruption to service.

CONTRACTOR shall furnish any new pipe, fittings, and other materials required.

B. **GENERAL:** This work shall be in accordance with the details shown on the plans and the requirements of the OWNER. CONTRACTOR shall coordinate with OWNER on materials requirements.

C. **MATERIALS:** Per OWNER. Pipe, fittings, and other materials furnished by the CONTRACTOR shall meet the OWNER's standards and shall be approved by the ENGINEER.

D. **EQUIPMENT: NOT USED**

E. **SUBMITTALS:** CONTRACTOR shall submit proof that the materials furnished under this section conform to such requirements. Published catalogue specification data that the items comply with the applicable standard specifications and publications will be acceptable evidence of such compliance. When published data or catalogue specifications do not indicate compliance with items specified herein, Certificates shall be prepared by the manufacturer to indicated conformance with the requirements of these specifications. Certified factory test reports shall be submitted when the manufacturer performs routine testing.

F. **MEASUREMENT AND PAYMENT:** Measurement and payment for will be made under the following items, which shall be full compensation for all required materials, tools, equipment, labor, and incidental work necessary to complete the item:

Item No	Pay Item	Pay Unit
B – 023	Water Connection	Each

1.22 SEWER HOUSE CONNECTIONS (SUPPLEMENTAL)

- A. **DESCRIPTION:** This work consists of the installation of sewer services in accordance with the plan details and in accordance with requirements of the OWNER (City of Slidell).

Alignment and elevations shall be as directed by the ENGINEER and by the OWNER's representative in the field. The CONTRACTOR shall conduct his operations in such manner as to cause the least interruption to service.

CONTRACTOR shall furnish any new pipe, fittings, and other materials required.

- B. **GENERAL:** This work shall be in accordance with the details shown on the plans and the requirements of the OWNER. CONTRACTOR shall coordinate with OWNER on materials requirements.

- C. **MATERIALS:** Per OWNER. Pipe, fittings, and other materials furnished by the CONTRACTOR shall meet the OWNER's standards and shall be approved by the ENGINEER. Polyvinyl chloride (PVC) pipe shall conform to ASTM D3034 – Standard Specifications for PVC Sewer Pipe and Fittings, SDR 26. Full body SDR 35 fittings shall be used for all connections. All fittings shall conform to the requirements of ASTM D3034. Connections between existing and new pipe shall be jointed with rigid – non – shear couplings as manufactured by Fernco or approved equal.

- D. **EQUIPMENT: NOT USED**

- E. **SUBMITTALS:** CONTRACTOR shall submit proof that the materials furnished under this section conform to such requirements. Published catalogue specification data that the items comply with the applicable standard specifications and publications will be acceptable evidence of such compliance. When published data or catalogue specifications do not indicate compliance with items specified herein, Certificates shall be prepared by the manufacturer to indicated conformance with the requirements of these specifications. Certified factory test reports shall be submitted when the manufacturer performs routine testing.

- F. **MEASUREMENT AND PAYMENT:** Measurement and payment for will be made under the following items, which shall be full compensation for all required materials, tools, equipment, labor, and incidental work necessary to complete the item:

Item No	Pay Item	Pay Unit
B – 024	Sewer Connection	Each

1.23 REPLACEMENT OF TRAFFIC LOOP SENSORS/DETECTORS

- A. **DESCRIPTION:** This work consists of the replacement of traffic loop detectors/sensors as specified by LDOTD standards, completely functional, sealed and reconnected to appurtenant devices.

- B. **GENERAL:** This work shall be in accordance with the details shown on the plans and the requirements of the OWNER and LDOTD. CONTRACTOR shall coordinate with OWNER and LDOTD on sequencing and implementation of this work.
- C. **MATERIALS:** Per LDOTD LSSRB 1020 (2006 Edition) and LDOTD Traffic Control Standard 18A.
- D. **EQUIPMENT: NOT USED**
- E. **SUBMITTALS:** CONTRACTOR shall submit proof that the materials furnished under this section conform to such requirements. Published catalogue specification data that the items comply with the applicable standard specifications and publications will be acceptable evidence of such compliance. When published data or catalogue specifications do not indicate compliance with items specified herein, Certificates shall be prepared by the manufacturer to indicated conformance with the requirements of these specifications. Certified factory test reports shall be submitted when the manufacturer performs routine testing.
- F. **MEASUREMENT AND PAYMENT:** Measurement and payment for will be made under the following items, which shall be full compensation for all required materials, tools, equipment, labor, and incidental work necessary to complete the item:

Item No	Pay Item	Pay Unit
B – 025	Replacement of Traffic Loop Detectors	Linear Foot

1.24 RECONSTRUCTION OF ASPHALT DRIVEWAYS

- A. **DESCRIPTION:** This work consists of furnishing materials and constructing new asphalt driveways in accordance with lines, grades, and dimensions shown on the plans or established.
- B. **GENERAL:** This work shall be in accordance with the requirements of Section 502 and 302 of the LSSRB, 2006, and latest revisions. Construction shall conform to the details shown on the drawings.
- C. **MATERIALS:** Per LSSRB.
- D. **EQUIPMENT:** Per LSSRB.
- E. **SUBMITTALS: NOT USED**
- F. **MEASUREMENT AND PAYMENT:** Measurement and payment for will be made under:

Item No	Pay Item	Pay Unit
B – 026	Reconstruction of Asphalt Driveways	Sq Yd

1.25 ALTERNATE – DEDUCT 6” OF CLASS II BASE COURSE (DEDUCTIVE ALTERNATE ITEM)

- A. **DESCRIPTION:** This item is a deductive item related to the alternate roadway section shown in the Plans. This item is part of Bid Alternate 1.
- B. **GENERAL:** See Item 1.7.
- C. **MATERIALS:** See Item 1.7.
- D. **EQUIPMENT:** See Item 1.7.
- E. **SUBMITTALS:** See Item 1.7.
- F. **MEASUREMENT AND PAYMENT:** See Item 1.7.

Item No	Pay Item	Pay Unit
A – 001	Deduct 6” of Class II Base Course (Deductive)	Ton

1.26 ALTERNATE – DEDUCT 1” OF ASPHALTIC CONCRETE BINDER COURSE (BY THICKNESS) SUPERPAVE ASPHALTIC CONCRETE MIXTURES (LDOTD SSRB Section 501, 2000 Edition)

- A. **DESCRIPTION:** This item is a deductive item related to the alternate roadway section shown in the Plans. This item is part of Bid Alternate 1. See Item 1.10.
- B. **GENERAL:** See Item 1.10.
- C. **MATERIALS:** See Item 1.10.
- D. **EQUIPMENT:** See Item 1.10.
- E. **SUBMITTALS:** See Item 1.10.
- F. **MEASUREMENT AND PAYMENT:** See Item 1.10.
- G. **MEASUREMENT AND PAYMENT:** Measurement for asphalt binder and wearing course shall be made by ton. Tack coat and prime coat will be included in the cost of asphalt. No direct payment will be made for these items. Measurement and payment for will be made under the following items, which shall be full compensation for all required materials, tools, equipment, labor, and incidental work necessary to complete the item:

Item No	Pay Item	Pay Unit
A – 002	Deduct 1” of Asphaltic Concrete Binder Course (Deductive)	Ton

1.27 GRANULAR MATERIAL (LDOTD SSRB Section 723)

- A. **DESCRIPTION:** This item is an additive item related to the alternate roadway section shown in the Plans. This item is part of Bid Alternate 1. This work consists of furnishing and placing granular material in accordance with the specifications and in conformity with the lines, grades, and typical sections shown in the plans or as directed by the ENGINEER.
- B. **GENERAL:** This work shall be in accordance with Section 723 of the LSSRB, 2006, and latest revisions.
- C. **MATERIALS:** Per LSSRB, Section 723. Granular material shall be non – plastic and siliceous materials conforming to the requirements of LSSRB Sub – section 1003.07. Materials shall be placed, properly shaped, and uniformly compacted by approved methods to a minimum of 97% of the maximum dry density for the depth of the backfill. CONTRACTOR shall make corrections as necessary to meet the required specifications at no expense to OWNER.
- Testing:** OWNER will perform testing on samples for verification of Atterberg limits, grain size, water content, soil classification, and specific gravity. Once the material sample from an approved supplier’s stockpile is tested for requirements and accepted by the ENGINEER, no material shall be added to the approved, tested stockpile. The stockpile shall be retested any time the stockpile is replenished. The CONTRACTOR shall pay for any additional testing after the first test each time the dedicated stockpile is replenished, or when it is observed by the ENGINEER or OWNER representative that the material delivered on site differs from the material previously tested and approved.
- D. **EQUIPMENT: NOT USED**
- E. **SUBMITTALS:** CONTRACTOR shall submit samples to OWNER for verification of Atterberg limits, grain size, water content, soil classification, and specific gravity.
- F. **MEASUREMENT AND PAYMENT:** The quantities for Granular Material are based upon the surface areas shown on the plans to receive Granular Material. The quantities of granular material for payment will be the design Measurement and payment for will be made under the following items, which shall be full compensation for all required materials, tools, equipment, labor, and incidental work necessary to complete the item:

Item No	Pay Item	Pay Unit
A - 003	Add Granular Fill, 12” thick	Lump Sum

1.28 ALTERNATE – ADDITIONAL EXCAVATION AND EMBANKMENT (LDOTD SSRB Section 203)

- A. **DESCRIPTION:** This item is an additive item related to the alternate roadway section shown in the Plans. This item is part of Bid Alternate 1. This work consists of excavation, disposal, placements, and compaction of all materials that are not

provided for under other sections of these specifications, including excavation and embankment for roadways, driveways, sidewalks, medians, and other structures, and all grading operations necessary for the work in accordance with these specifications and the lines, grades, thicknesses, and typical cross sections shown on the plans or established by the ENGINEER.

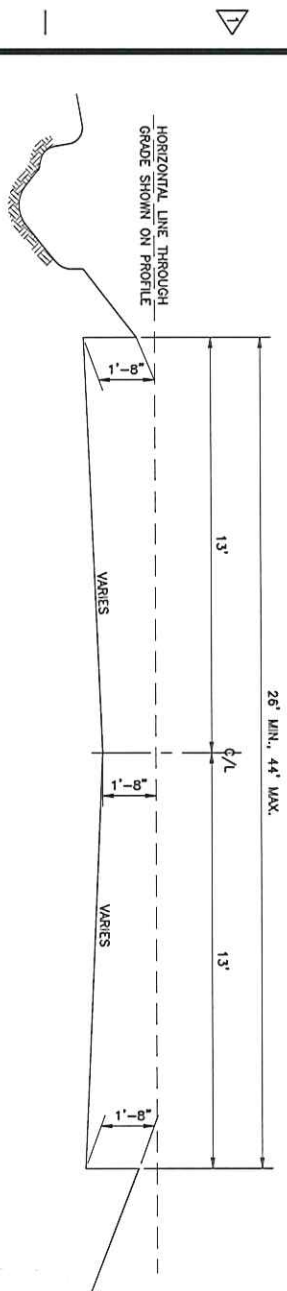
- B. **GENERAL:** This work shall be in accordance with the plans and the requirements of Section 203 of the LSSRB, 2006 and latest revisions. The CONTRACTOR shall carry out the excavation to line, grade, and cross slope as shown on the plans, Excavation to final sub grade shall be carefully executed as to not damage existing utilities to remain. CONTRACTOR shall be responsible for repairing and replacing any portion of existing utilities damaged through over – excavation and/or careless operations at his own cost. All repairs shall be completed in accordance with City of Slidell standards. Over – excavation of the roadway shall be brought to plan sub – grade elevation with granular material conforming to LDOTD LSSRB sub – section 1003.07 at CONTRACTOR's expense.
- C. **MATERIALS:** Materials for embankment shall be granular materials, AASHTO classification A-4 or higher with a Plasticity Index (PI) not to exceed 4, or suitable material obtained from excavation. It shall be free of trash, weeds, large lumps, humus, or any other deleterious matter and shall be capable of being easily shaped and compacted to the lines, grades, and thicknesses shown on the plans. Geotextile Fabric shall comply with Subsection 203.11 and Section 1019 of LSSRB.
- D. **EQUIPMENT: NOT USED**
- E. **SUBMITTALS: Proof of Compliance -** CONTRACTOR shall submit proof that the materials furnished under this section conform to such requirements. Published catalogue specification data that the items comply with the applicable standard specifications and publications will be acceptable evidence of such compliance. When published data or catalogue specifications do not indicate compliance with items specified herein, Certificates shall be prepared by the manufacturer to indicated conformance with the requirements of these specifications. Certified factory test reports shall be submitted when the manufacturer performs routine testing.
- F. **MEASUREMENT AND PAYMENT:** Measurement and payment for will be made under the following items, which shall be full compensation for all required materials, tools, equipment, labor, and incidental work necessary to complete the item:

Item No	Pay Item	Pay Unit
A – 004	General Excavation	Cubic Yard

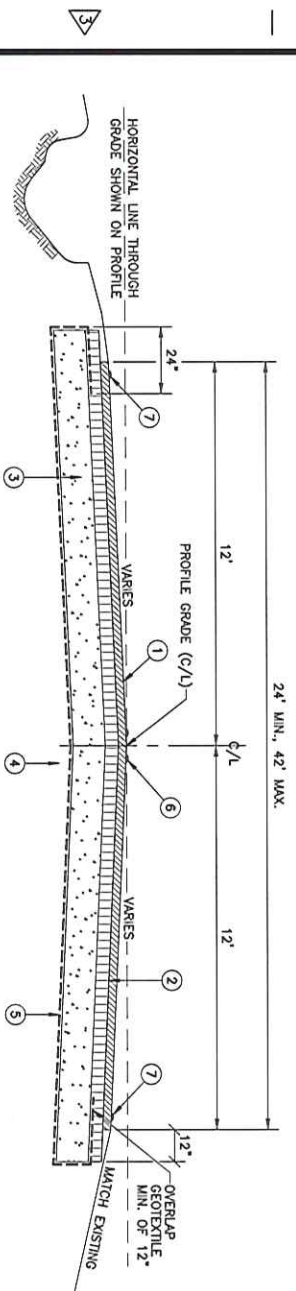
PART 2 -- PRODUCTS -- NOT USED

PART 3 -- EXECUTION -- NOT USED

- END OF SECTION -



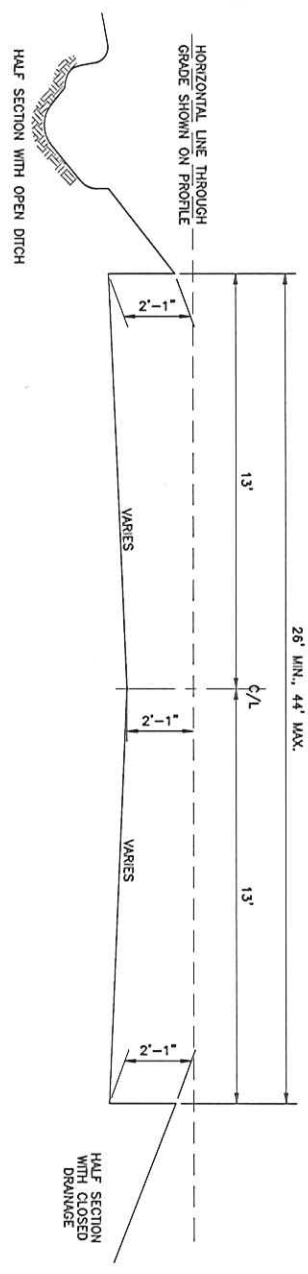
TYPICAL FINISHED GRADING SECTION
NOT TO SCALE



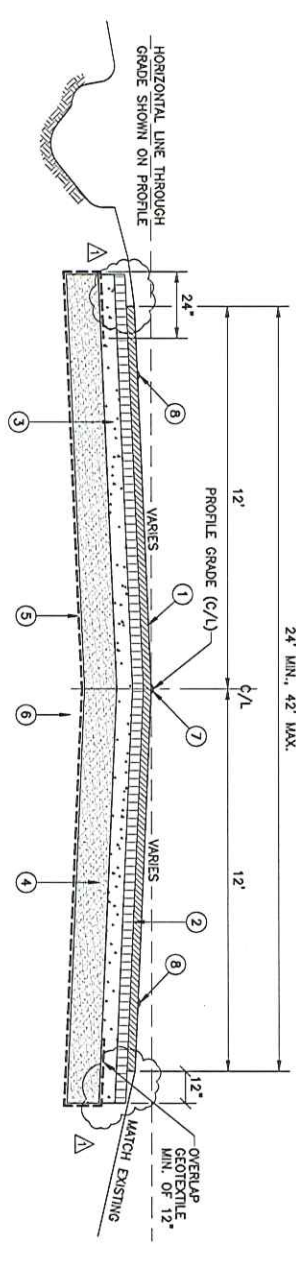
TYPICAL FINISHED SECTION
NOT TO SCALE

- LEGEND:
- ① 3" ASPHALTIC CONCRETE (WEARING COURSE)
 - ② 4" ASPHALTIC CONCRETE (BINDER COURSE)
 - ③ 6" CLASS II BASE COURSE
 - ④ SCARIFIED AND COMPACTED ROAD BED
 - ⑤ GEOTEXTILE FABRIC
 - ⑥ PAVED STRIPING AND REFLECTORIZED MARKERS
 - ⑦ PAVEMENT STRIPING

ROADWAY SECTION (BASE BID) A
SCALE: N.T.S. C3 THRU C10



TYPICAL FINISHED GRADING SECTION
NOT TO SCALE



TYPICAL FINISHED SECTION
(DITCH OR CLOSED DRAINAGE)
NOT TO SCALE

- LEGEND:
- ① 3" ASPHALTIC CONCRETE (WEARING COURSE)
 - ② 4" ASPHALTIC CONCRETE (BINDER COURSE)
 - ③ 6" CLASS II BASE COURSE
 - ④ 12" COMPACTED GRANULAR FILL
 - ⑤ GEOTEXTILE FABRIC
 - ⑥ SCARIFIED AND COMPACTED SUB GRADE
 - ⑦ PAVEMENT STRIPING AND REFLECTORIZED MARKERS
 - ⑧ PAVEMENT STRIPING

ROADWAY SECTION (ALT. BID) B
SCALE: N.T.S. C3 THRU C10



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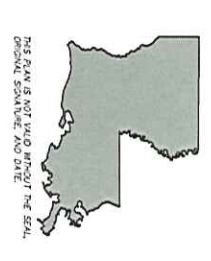
NO.	COMMENT	DATE
1	SCHEMATIC	4/15/11
2	10% DESIGN	5/13/11
3	REVISION DOTT	6/22/11
Δ	ADDENDUM 1	8/24/11

Project Name
Rehabilitation Of 7th Street

Project Location
City Of Slidell, LA

HDC Project Number
2010-10

Client
City of Slidell
Dept. Of Engineering
P.O. Box 828
Slidell, LA 70459



Sheet Information
Designed: DAM
Drawn: PSC
Approved: SET
Sheet ID: C1
Sheet Set: 3 of 27
Sheet Name: Asphalt
Finished Sections