

# NOTIFICATION OF ADDENDUM

## ADDENDUM #4

July 18, 2016

Project: Espejo Gates Road Improvements

Owner: Webb County, Texas

Prepared By: S&B Infrastructure, Ltd  
2120 Blaine St. Suite 100  
Laredo, Texas 78043

To All Bidders:

Attached is Addendum #4 the Espejo Gates Webb County, Texas

This addendum shall be considered part of the Contract Documents for the above mentioned project as though it had been issued at the same time and shall be incorporated integrally therewith. Where provisions of the following supplementary data differ from those of original Contract Documents, this Addendum shall govern and take precedence.

### ***Plan Set:***

**1. Sheet #3- Adding Notes to Plans:**

27. NO CONSTRUCTION SHALL COMMENCE UNTIL PROPER CLEARANCE FROM WEBB COUNTY or PROJECT ENGINEER HAS BEEN OBTAIN.

28. CONTRACTOR SHALL INCLUDE IN HIS/HER BID ALL MATERIAL LAB TESTING AS REQUIRED BY THE GEOTECH REPORT, WEBB COUNTY ENGINEER AND PROJECT ENGINEER.

29. CONTRACTOR SHALL INCLUDE IN HIS/HER BID CONSTRUCTION PROJECT STAKE OUT.

**2. Sheet #4- Item Description from General Notes is incorrect: Item 132 Embankment:**

Reads- Embankment (Dens. Cont) shall be Type C with a Max PI of 40

Should Read as: Embankment (Dens. Cont) Shall be Type B with a Max PI of 7-20

**3. Sheet #9- Item description for Flex Base is Incorrect on Road Summary Alternate #1 and #2 Table:**

Reads- Ty A Gr 1-2

Should Read as- Ty B Gr 1-2

**Schedule of Values:**

4. Item #45 has been removed and replaced from Schedule Of Values:

Reads as:

ITEM NO.	ESTIMATED QUANTITY	ITEM DESCRIPTION	UNIT PRICE	TOTAL AMOUNT
45.	273 STA	Construction Detours per TxDOT Item 508-6001, complete and in place for	\$ _____	\$ _____

Should Read AS:

ITEM NO.	ESTIMATED QUANTITY	ITEM DESCRIPTION	UNIT PRICE	TOTAL AMOUNT
45.	8,200 SF	1' depth 7-8" large Concrete Rock Rubble Riprap, complete and in place for	\$ _____	\$ _____

Updated "Schedule of Values" Revision #2

**SPEC BOOK:**

- S. Standard General Conditions of the Construction Contract (page 49 of 63)  
 Article 13- Test and Inspections; Corrections, Removal or Acceptance of defective work  
 ARTICLE 13.03 B.: TEST AND INSPECTION:

Section B reads: Owner shall employ and pay for the service of an independent testing laboratory to perform all inspections, test, or approvals required by the Contract Documents except.

Should Read as: Contractors shall include in his bid all material lab testing as required by GeoTech report, Webb County and Project engineer.



*[Handwritten Signature]*

Webb County Engineer

*[Handwritten Signature]* 7/19/2016  
 S&B Infrastructure, Project Engineer

**GENERAL NOTES:**

1. ALL PITS OR QUARRIES, SHALL COMPLY WITH "TEXAS AGGREGATE QUARRY AND PIT SAFETY ACT."
2. ALL EXCESS MATERIAL SHALL BE HAULED AND STOCKPILED ON COUNTY PROPERTY, COORDINATE WITH ENGINEER AND THE WEBB COUNTY ENGINEERING DEPARTMENT.
3. THE CONTRACTOR MUST COMPLY WITH ALL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS.
4. CONTRACTOR SHALL ADJUST TO PROPOSED FINISHED GRADE ALL EXISTING VALVES, MANHOLES, MANHOLE COVERS, CLEANOUTS, INLET COVERS AND/OR ANY OTHER OBJECTS WITHIN THE PROJECT AREA, IF APPLICABLE.
5. CONTRACTOR SHALL SAW-CUT AND/OR ADJUST EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH AND CONTINUOUS TRANSITION GRADE.
6. ALL EXISTING PAVEMENT BASE MATERIAL SHALL BE REMOVED BY CONTRACTOR AND PLACED IN AN AREA BY THE COUNTY OR ENGINEER WHERE IT CAN BE EASILY ACCESSED FOR FUTURE USE; CARE SHOULD BE TAKEN NOT TO CONTAMINATE SAID BASE MATERIAL.
7. AT EXISTING ROADWAY TIES, THE CONTRACTOR SHALL SCHEDULE WORK SO THAT PLACEMENT OPERATIONS WILL FOLLOW THE SUB GRADE WORK AS CLOSELY AND AS PRACTICAL IN ORDER TO REDUCE HAZARD TO THE TRAVELING PUBLIC AND PREVENT UNDUE PAVEMENT DAMAGE FROM WET WEATHER.
8. THE CONTRACTOR SHALL FURNISH AND INSTALL STOP SIGNS, STREET SIGNS AND OTHER REGULATORY SIGNS. THE LOCATIONS OF THE SIGNS SHALL BE DETERMINED BY THE ENGINEER AND APPROVED BY THE COUNTY. WEBB COUNTY MAY ELECT TO IMPROVE ON APPROPRIATE SIGNAGE STOP SIGNS, STREET SIGNS, SPEED LIMIT SIGNS; DECISIONS REGARDING SUCH IMPROVEMENTS WILL BE LEFT TO THE DISCRETION OF WEBB COUNTY.
9. ACCESS TO ALL DRIVES AND SIDE ROADS, BOTH PUBLIC AND PRIVATE, ARE TO BE MAINTAINED AND ACCESSIBLE AT ALL TIMES.
10. AS REQUIRED BY THE "TEXAS UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT", TEXAS ONE CALL MUST BE CONTACTED (800-245-4545) AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION OPERATIONS PERFORMED. IT IS THE CONTRACTORS RESPONSIBILITY TO CONTACT TEXAS ONE CALL SYSTEM.
11. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT BOTH OVERHEAD AND UNDERGROUND UTILITIES EXIST IN THE VICINITY OF THE CONSTRUCTION AREA. THE EXACT LOCATION OF UNDERGROUND UTILITIES IS NOT CERTAIN. THE CONTRACTOR SHALL CONTACT THE APPROPRIATE AREA UTILITY COMPANIES FOR EXACT LOCATIONS AT LEAST 48 HOURS PRIOR TO CONSTRUCTION OR COMMENCING ANY WORK SO AS TO PREVENT ANY DAMAGE OR INTERFERENCE WITH PRESENT UTILITIES.
12. DURING THE EXECUTION OF THE WORK, UTMOST CARE SHALL BE EXERCISED TO PREVENT DAMAGE TO ANY UTILITIES, STRUCTURES OR RIGHT-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING, LOCATING AND PROTECTING ALL UNDERGROUND UTILITIES OR STRUCTURES. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES SHALL BE REPAIRED PROMPTLY, AT THE CONTRACTORS EXPENSE. IF IN THE COURSE OF THE WORK, UNDERGROUND UTILITIES OR STRUCTURES ARE ENCOUNTERED AND ARE IN CONFLICT WITH THE WORK, THE CONTRACTOR SHALL CONTACT THE ENGINEER WHO WILL DIRECT THE NECESSARY ADJUSTMENTS.
13. THE CONTRACTOR SHALL PROTECT ALL AREAS OF THE RIGHT-OF-WAY WHICH ARE NOT INCLUDED IN THE ACTUAL LIMITS OF THE PROPOSED CONSTRUCTION AREAS FROM DESTRUCTION. CARE SHALL BE EXERCISED TO PREVENT DAMAGE TO TREES, VEGETATION AND OTHER NATURAL SURROUNDINGS. THE AREAS NOT DISTURBED SHALL BE DETERMINED BY THE ENGINEER. THE CONTRACTOR, AT HIS EXPENSE, SHALL RESTORE TO ANY AREAS DISTURBED AS A RESULT OF THEIR OPERATIONS TO A CONDITION AS GOOD AS, OR BETTER THAN, THAT PRESENT PRIOR TO THEIR CONTRACT.
14. ERECTION AND/OR REMOVAL OF POLES AND LUMINARIES LOCATED NEAR ANY OVERHEAD OR UNDERGROUND ELECTRICAL LINES SHALL BE ACCOMPLISHED USING ESTABLISHED INDUSTRY AND UTILITY SAFETY PRACTICES. THE CONTRACTOR SHALL CONSULT WITH THE APPROPRIATE UTILITY COMPANY PRIOR TO BEGINNING SUCH WORK.
15. IF ANY OVERHEAD OR UNDERGROUND ELECTRICAL LINES NEED TO BE DE-ENERGIZED, THE CONTRACTOR SHALL CALL THE POWER COMPANY TO DO THIS WORK. ANY COST ASSOCIATED WITH DE-ENERGIZING THE ELECTRICAL LINES AND/OR ANY OTHER PROTECTIVE MEASURES REQUIRED SHALL BE AT THE CONTRACTOR'S EXPENSE.
16. WHEN THE CONTRACTOR IS WORKING NEAR ANY POWER LINES, IT IS THEIR RESPONSIBILITY TO COMPLY WITH THE APPROPRIATE SECTIONS OF TEXAS STATE LAW AND FEDERAL REGULATIONS RELATING TO THE TYPE OF WORK INVOLVED.
17. WEBB COUNTY MAY ELECT TO IMPROVE ON APPROPRIATE SILT FENCING LAYOUT AS SHOWN; DECISIONS REGARDING SUCH IMPROVEMENTS WILL BE LEFT TO THE DISCRETION OF SAID ENTITY. THE COUNTY SHALL CONSULT WITH ENGINEER PRIOR TO ANY MODIFICATIONS TO THE SILT FENCING LAYOUT.
18. RIGHT-OF-WAY LINES SHOWN ARE SOLELY FOR REPRESENTATION ONLY; THESE PLANS DO NOT ATTEMPT TO REESTABLISH OR CONFIRM ANY PROPERTY OR EASEMENT LINES.
19. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION STAKING FOR THE PROJECT. COORDINATE WITH PROJECT ENGINEER FOR EXISTING PROJECT SURVEY CONTROL.
20. THE ESTIMATED QUANTITIES PUBLISHED WITH THESE CONSTRUCTION DOCUMENTS ARE FURNISHED AS AN AID IN THE BIDDING PROCESS AND ARE NOT TO BE SUBSTITUTED FOR CONTRACTORS QUANTITY TAKEOFFS.

21. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY OBSTACLES THAT MAY IMPEDE OR PREVENT THE PROPER CONSTRUCTION OF THE PROJECT.
22. THE CONTRACTOR SHALL ARRANGE THE OPERATION IN SUCH A MANNER AS TO AVOID UNNECESSARY INCONVENIENCE TO THE PUBLIC IN CONSTRUCTION AREAS.
23. CONTRACTOR SHALL MAINTAIN THE JOB SITE IN A SAFE, NEAT AND WORKMAN-LIKE MANNER AT ALL TIMES. JOB SITE SAFETY SHALL NOT BE COMPROMISED. ANY UNATTRACTIVE NUISANCE SHALL BE REMOVED OR CAMOUFLAGED BY CONTRACTOR WHEN DIRECTED BY THE COUNTY OR ENGINEER. CONTRACTOR SHALL REMOVE OR CAMOUFLAGE ANY CHILD ATTRACTIVE NUISANCE.
24. BLASTING WITHIN THE PROJECT AREA WILL NOT BE ALLOWED.
25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION BETWEEN THEM AND OTHER CONTRACTORS AND UTILITIES IN THE VICINITY OF THIS PROJECT. THIS INCLUDES, BUT NOT LIMITED TO GAS, WATER, WASTEWATER, ELECTRICAL, TELEPHONE, COMMUNICATIONS NETWORKS, CABLE TELEVISION, FIBER OPTIC CABLE, PETROLEUM PIPELINES AND DRAINAGE UTILITIES. ONCE THE CONTRACTOR BECOMES AWARE OF A POSSIBLE CONFLICT, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE COUNTY AND ENGINEER WITHIN TWENTY-FOUR (24) HOURS.
26. TRUCKS DELIVERING HMAC MATERIAL TO THE ROADWAY SHALL BE SUFFICIENT IN NUMBER TO ENSURE CONTINUOUS OPERATION.
27. NO CONSTRUCTION SHALL COMMENCE UNTIL PROPER CLEARANCE FROM WEBB COUNTY OR PROJECT ENGINEER HAS BEEN OBTAIN.
28. CONTRACTOR SHALL INCLUDE IN HIS/HER BID ALL MATERIAL LAB TESTING AS REQUIRED BY THE GEO TECH REPORT, WEBB COUNTY ENGINEER AND PROJECT ENGINEER.
29. CONTRACTOR SHALL INCLUDE IN HIS/HER BID CONSTRUCTION STAKE OUT.

REVISION	DESCRIPTION	NO.	DATE	ADDDING NOTES
		1	7-18-2016	
		2		
PLOTTED		6-6-2016		
STATUS				
FINAL				
				
DRAWN BY		CHECKED BY		
F.R.		J.A.M.		
				
S&B INFRASTRUCTURE, LTD. 2120 BLAINE ST. LAREDO, TEXAS 78043 TELEPHONE: (956) 568-2561 FAX: (956) 994-0427 ENGINEERING # F-1582 SURVEYING # 10193914				
ESPEJO GATES IMPROVEMENTS WEBB COUNTY, TEXAS				
GENERAL NOTES				
REFERENCE FILE NAME				
DRAWING FILE NAME				
General Notes and SMALL SIGNS				
SHEET NUMBER		3 of 153		

ITEM 134 BACKFILLING PAVEMENT EDGES

BACKFILL TYPE A SHALL NOT CONTAIN PARTICLES MORE THAN TWO INCHES IN SIZE AND SHALL HAVE A MINIMUM PI OF 10 AND A MAXIMUM PI OF 20.

ITEM 247 FLEXIBLE BASE

FLEX BASE SHOULD MEET THE REQUIREMENTS OF THE TXDOT SPECIFICATIONS FOR ITEM 247, TYPE B, GRADE 1 -2. THE BASE SHOULD BE COMPACTED TO AT LEAST 98% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY TSODT METHOD TEX 113-E, AT +/- 2% OF OPTIMUM MOISTURE CONTENT.

THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT CERTAIN EXISTING AND/OR PROPOSED STRUCTURES MAY BE WITHIN THE LIMITS OF THE FLEXIBLE BASE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM CONSTRUCTION OPERATIONS WITHOUT DAMAGE TO THESE STRUCTURES.

FOR WATER ADDED UNDER ITEM 247, THE SULFATE CONTENT WILL NOT EXCEED 3000-PPM AND CHLORIDE CONTENT WILL NOT EXCEED 3000-PPM.

ITEM 260 LIME TREATMENT (ROAD MIXED)

THE LIME STABILIZED SUBGRADE SHALL MEET THE REQUIREMENTS OF THE TXDOT SPECIFICATIONS FOR ITEM 260 AND TO BE STABILIZED WITH A MINIMUM OF THREE (3) PERCENT LIME AND IN AREAS WITH PI >= 20 A MINIMUM OF FOUR (4) PERCENT LIME SHALL BE UTILIZED. THE SUBGRADE SHALL BE ROAD-MIXED AND COMPACTED TO A MINIMUM OF 95% OF THE OPTIMUM DRY DENSITY AS DETERMINED BY TXDOT METHOD TEX 121-E, AT +/- 2% OF THE OPTIMUM MOISTURE CONTENT AT 6" LIFTS.

THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT CERTAIN EXISTING AND/OR PROPOSED STRUCTURES ARE WITHIN THE LIMITS OF THE LIME-TREATED SUBGRADE. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, THESE STRUCTURES SHALL BE INSTALLED BEFORE THE FINAL ROLLING OF THIS SUBGRADE, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM THE PROPER LIME TREATING OPERATION WITHOUT DAMAGE TO THESE STRUCTURES.

THE SLURRY METHOD OF APPLYING LIME WILL BE REQUIRED, EXCEPT WHEN THE LIME IS TO ADDED TO NATURALLY WET MATERIALS AS DIRECTED BY THE ENGINEER.

FOR THIS PROJECT, THE ENGINEER WILL DIRECT A RANDOM NUMBER OF LIME TRUCKS TO BE CHECK WEIGHTED.

ITEM 251 REWORKING BASE COURSES

QUANTITIES OF FLEXIBLE BASE TO BE SALVAGED, SHOWN ON THE TYPICAL SECTIONS, ARE FOR ESTIMATING PURPOSED ONLY. ALL ACCEPTABLE BASE MATERIAL ENCOUNTERED IN EXISTING BASE IS TO BE SALVAGED AS DIRECTED BY THE ENGINEER REGARDLESS OF THE QUANTITIES INVOLVED.

ITEM 310 PRIME COAT

THE CONTRACTOR SHALL EXERCISE DILIGENCE IN THE APPLICATION OF ASPHALT BY THE USE OF FLAGGING AND ROLLING PROCEDURES TO KEEP FROM SPRAYING OR SPLATTERING THE TRAVELING PUBLIC WITH ASPHALTIC MATERIAL.

DO NOT APPLY SUBSEQUENT COURSES OVER THE INITIAL PRIME COAT ANY EARLIER THAN THE DAY AFTER PRIME COAT WAS APPLIED, UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY ENGINEER.

ITEM 340 DENSE GRADED HOT MIX ASPHALT (SMALL QUANTITY)

THE HOT MIX ASPHALTIC CONCRETE (HMAC) SHALL MEET THE REQUIREMENTS SET FORTH IN TXDOT SPECIFICATIONS ITEM 304, USING TYPE "C" OR "D" MIX. THE ASPHALTIC CONCRETE SHOULD BE COMPACTED TO A MINIMUM OF 1.5% BELOW THE OPTIMUM DENSITY OF THE LABORATORY DENSITY AS DETERMINED USING TXDOT, TEX 206-F TEST METHOD OR ASTM D-1560 (HVEEN OR MARCHAL METHOD).

ITEM 644 SMALL ROADSIDE SIGN SUPPORTS AND ASSEMBLIES

ALL SIGNS SHALL BE INSTALLED AS SHOWN IN THE PLANS AND IN ACCORDANCE WITH THE CURRENT EDITION OF THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".

FOR THIS PROJECT, ALUMINUM TYPE SIGN BLANKS AS PROVIDED UNDER ITEM 635 WILL BE REQUIRED FOR ALL PROPOSED SIGNAGE INSTALLED UNDER ITME 644. ALUMINUM SIGN BLANKS LESS THAN 7.5 SQUARE FEET SHALL BE 0.08 INCH THICK, SIGN BLANKS 7.5 TO 15 SQUARE FEET SHALL BE 0.10 INCH AND SIGN BLANKS GREATER THAN 15 SQUARE FEET SHALL BE 0.125 INCH THICK.

ITEM 132 EMBANKMENT

EMBANKMENT (DENS CONT) SHALL BE TY B WITH A MAX. PI OF 7-20

IT IS THE CONTRACTOR'S RESPONSIBILITY TO ADVISE THE ENGINEER OF THE LOCATION OF THE SOURCE SUFFICIENTLY IN ADVANCE TO AVOID DELAY.

ITEM 164 SEEDING FOR EROSION CONTROL

DURING DRILL SEEDING OPERATIONS, APPLICATION METHODS SHALL BE IN ACCORDANCE WITH THE METHOD SHOWN IN THE STANDARD SPECIFICATIONS BOOK.

SS-1 TACKING AGENT SHALL BE RATIO OF 2:1, TWO (EMULSION) TO ONE (WATER) AND APPLIED AT A RATE OF 0.05 GALLONS PER SQUARE YARD. THE SS-1 TACKING AGENT REQUIRED FOR DRILL SEED OPERATIONS, WILL NOT BE PAID FOR DIRECTLY, BUT WILL BE SUBSIDIARY TO ITEM 164 "DRILL SEEDING". WATERING SHALL NOT BE SUED WITH THE DRILL SEED METHOD.

COOL SEASON OR WARM SEASON GRASSES SHALL BE INCLUDED AS PART OF ITEM 164 (SEE TABLE 3 AND/OR TABLE 4 IN THE STANDARD SPECIFICATION MANUAL FOR DATES AND SEED TYPE).  
SEED MIXTURE

SEED MIXTURE SHALL BE AS SPECIFIED UNDER ITEM 164.

REVISION	DESCRIPTION	NO.	DATE	EDIT ITEM
1		1	7-18-2016	
2		2		

PLOTTED 6-6-2016

STATUS FINAL



DRAWN BY F.R. CHECKED BY J.A.M.

6/6/2016

S&B INFRASTRUCTURE, LTD.  
2120 BLAINE ST. LAREDO, TEXAS 78043  
TELEPHONE: (956) 568-2561 FAX: (956) 994-0472  
ENGINEERING # F-1582 SURVEYING # 10193914

ESPEJO GATES IMPROVEMENTS  
WEBB COUNTY, TEXAS

GENERAL NOTES

REFERENCE FILE NAME

DRAWING FILE NAME

General Notes and SMALL SIGNS

SHEET NUMBER 4 of 153

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ESPEJO GATES ROADWAY SUMMARY								ALTERNATE 1- REVISION #2								
STREET NAME	LIMITS OF PROPOSED IMPROVEMENTS		WIDTH (FT)		LENGTH (FT)		AREA (SY)		260-6054				260-6016		247-6045	
									BASE MATERIAL							
									LIME TRT (NEW BASE)		LIME (HYD, COM, OR QK SLURRY)		FL BS (CMP IN PLC) TY B GR 1-2 (FINAL POS)			
									10" (SY)		4% BYWT (TON)		14.5" (CY)			
ESPEJO GATES	FROM	TO	EST	FINAL	EST	FINAL	EST	FINAL	EST	FINAL	EST	FINAL	EST	FINAL		
	18+00.00	19+88.29	28		188.29		585.79		585.79		7.69		235.94			
	21+11.71	23+03.02	28		191.31		595.19		595.19		7.81		239.73			
	24+27.27	66+88.92	28		4,261.65		13,258.47		13,258.47		174.02		5,340.22			
	67+66.25	73+40.16	28		573.91		1,785.50		1,785.50		23.43		719.16			
	74+22.49	116+46.93	28		4224.44		13,142.70		13,142.70		172.50		5,293.59			
	117+05.51	160+20.84	28		4315.33		13,425.47		13,425.47		176.21		5,407.48			
	160+79.16	229+15.77	28		6836.61		21,269.45		21,269.45		279.16		8,566.86			
	229+91.53	291+89.65	28		6198.12		19,283.04		19,283.04		253.09		7,766.78			
	<b>PROJECT TOTAL</b>				<b>27,296.20</b>		<b>85,272.55</b>		<b>84,181.95</b>		<b>1,103.32</b>		<b>33,946.50</b>			

ESPEJO GATES ROADWAY SUMMARY								ALTERNATE 2- REVISIONS #2										
STREET NAME	LIMITS OF PROPOSED IMPROVEMENTS		WIDTH (FT)		LENGTH (FT)		AREA (SY)		260-6054				260-6016		247-6045		340-6034	
									BASE MATERIAL								OVERLAY	
									LIME TRT (NEW BASE)		LIME (HYD, COM, OR QK SLURRY)		FL BS (CMP IN PLC) TYB GR 1-2 (FINAL POS)		D-GR HMA(SQ) TY-C OR D PG64-22 LVL-UP			
									10" (SY)		4% BYWT (TON)		12.5" (CY)		2"= 228# PER SY (TON)			
ESPEJO GATES	FROM	TO	EST	FINAL	EST	FINAL	EST	FINAL	EST	FINAL	EST	FINAL	EST	FINAL	EST	FINAL		
	18+00.00	19+88.29	28		188.29		585.79		585.79		10.98		203.40		100.17			
	21+11.71	23+03.02	28		191.31		595.19		595.19		11.16		206.66		101.78			
	24+27.27	66+88.92	28		4,261.65		13,258.47		13,258.47		248.60		4,603.63		2267.20			
	67+66.25	73+40.16	28		573.91		1,785.50		1,785.50		33.48		619.96		305.32			
	74+22.49	116+46.93	28		4224.44		13,142.70		13,142.70		246.43		4,563.44		2247.40			
	117+05.51	160+20.84	28		4315.33		13,425.47		13,425.47		251.73		4,661.62		2295.76			
	160+79.16	229+15.77	28		6836.61		21,269.45		21,269.45		398.80		7,385.23		3637.08			
	229+91.53	291+89.65	28		6198.12		19,283.04		19,283.04		361.56		6,695.50		3297.40			
	<b>PROJECT TOTAL</b>				<b>27,296.20</b>		<b>85,272.55</b>		<b>84,181.95</b>		<b>1,572.14</b>		<b>28,939.45</b>		<b>14,252.12</b>			

REVISION NO.	DATE	DESCRIPTION
1	7-6-2016	TABLES
2	7-14-2016	FL BS DESCRIPTION

PLOTTED 6-6-2016  
STATUS FINAL

DRAWN BY F.R.  
CHECKED BY J.A.M.

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ENGINEERING # F-1582 SURVEYING # 10193914

ESPEJO GATES IMPROVEMENTS  
WEBB COUNTY, TEXAS

SUMMARY TABLES OF  
ESTIMATED QUANTITIES

REFERENCE FILE NAME  
DRAWING FILE NAME  
General Notes and SMALL SIGNS

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**SCHEDULE OF VALUES- REVISION #2**

PAGE 1 OF 14

<b>ITEM NO.</b>	<b>ESTIMATED QUANTITY</b>	<b>ITEM DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>TOTAL AMOUNT</b>
<b>BASE PRICE ITEMS</b>				
1.	273 STA	Right-Of-Way Prep, Mobilization, Clear Work Area and Make Ready For Construction, per TxDOT Item 100-6002, complete and prepared for	\$ _____	\$ _____
-----				
2.	2 EA	Remove and Dispose of Existing Bridge Structures at App. Sta:20+50 and Sta 23+65 , complete and disposed of for	\$ _____	\$ _____
-----				
3.	75 LF	Remove and Dispose of Existing 18" CMP at App. Sta:36+00, complete and disposed of for	\$ _____	\$ _____
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4.	41 LF	Remove and Dispose of Existing 30" CMP at App. Sta:229+50, complete and disposed of for	\$ _____	\$ _____
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5.	40 LF	Remove and Dispose of Existing 24" CMP at App. Sta:269+00, complete and disposed of for	\$ _____	\$ _____
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6.	6,300 CY	Excavation for Roadway, per TxDOT Item 110-6001, complete and prepared for	\$ _____	\$ _____
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7.	75,000 CY	Embankment for Roadway, (Final)(Dens Cont)(TY C), per TxDOT Item 132-6006, Compacted, complete and in place for	\$ _____	\$ _____

ITEM NO.	ESTIMATED QUANTITY	ITEM DESCRIPTION	UNIT PRICE	TOTAL AMOUNT
8.	40 AC	Broadcast Seeding, (Perm)(Rural)(Sandy), per TxDOT Item 164-6034, complete and in place for	\$ _____	\$ _____
9.	820 MG	Sprinkling for Dust Control, per TxDOT Item 204-6003, complete and in place for	\$ _____	\$ _____
10.	1,950 SY	9" Reinforced and Jointed Concrete Pavement at Espejo Gates and HWY 83 intersection, per TxDOT Item 360-6019, complete and in place for	\$ _____	\$ _____
11.	280 CY	Concrete Approach Slab For Bridges, per TxDOT Item 422-6015, complete and in place for	\$ _____	\$ _____
12.	90 CY	4" Reinforced Concrete Rip-Rap, per TxDOT ITEM 432-6001 complete and in place for	\$ _____	\$ _____
13.	332 LF	8 – 10' x 6' Multiple Box Culverts at App. Sta: 20+50, Pre-Cast, per TxDOT Item 462-6032, include Excavation/Embankment, Shoring and Bedding, complete and in place for	\$ _____	\$ _____
14.	2 EA	Wingwalls for Multiple Box Culverts at App. Sta: 20+50, (PW-1) per TxDOT Item 466-6181, include Excavation/Embankment, Shoring, Connection to Culvert and Bedding, complete and in place for	\$ _____	\$ _____

ITEM NO.	ESTIMATED QUANTITY	ITEM DESCRIPTION	UNIT PRICE	TOTAL AMOUNT
15.	332 LF	8 – 10' x 6' Multiple Box Culverts at App. Sta: 23+65, Pre-Cast, per TxDOT Item 462-6032, include Excavation/Embankment, Shoring and Bedding, complete and in place for	\$ _____	\$ _____
16.	2 EA	Wingwalls for Multiple Box Culverts at App. Sta: 23+65, (PW-1) per TxDOT Item 466-6181, include Excavation/Embankment, Shoring, Connection to Culvert and Bedding, complete and in place for	\$ _____	\$ _____
17.	38 LF	1 – 3' x 3' Single Box Culvert at App. Sta: 26+75, Pre-Cast, per TxDOT Item 462-6002, include Excavation/Embankment, Shoring and Bedding, complete and in place for	\$ _____	\$ _____
18.	2 EA	Wingwalls for Single Box Culvert at App. Sta: 26+75, (PW-1) per TxDOT Item 466-6178, include Excavation/Embankment, Shoring, Connection to Culvert and Bedding, complete and in place for	\$ _____	\$ _____
19.	76 LF	2 – 3' x 3' Multiple Box Culverts at App. Sta: 29+00, Pre-Cast, per TxDOT Item 462-6002, include Excavation/Embankment, Shoring and Bedding, complete and in place for	\$ _____	\$ _____
20.	2 EA	Wingwalls for Multiple Box Culverts at App. Sta: 29+00, (PW-1) per TxDOT Item 466-6178, include Excavation/Embankment, Shoring, Connection to Culvert and Bedding, complete and in place for	\$ _____	\$ _____

ITEM NO.	ESTIMATED QUANTITY	ITEM DESCRIPTION	UNIT PRICE	TOTAL AMOUNT
21.	38 LF	1 – 3' x 3' Single Box Culvert at App. Sta: 30+66, Pre-Cast, per TxDOT Item 462-6002, include Excavation/Embankment, Shoring and Bedding, complete and in place for	\$ _____	\$ _____
22.	2 EA	Wingwalls for Single Box Culvert at App. Sta: 30+66, (PW-1) per TxDOT Item 466-6178, include Excavation/Embankment, Shoring, Connection to Culvert and Bedding, complete and in place for	\$ _____	\$ _____
23.	190 LF	5 – 3' x 3' Multiple Box Culverts at App. Sta: 33+70, Pre-Cast, per TxDOT Item 462-6002, include Excavation/Embankment, Shoring and Bedding, complete and in place for	\$ _____	\$ _____
24.	2 EA	Wingwalls for Multiple Box Culverts at App. Sta: 33+70, (PW-1) per TxDOT Item 466-6178, include Excavation/Embankment, Shoring, Connection to Culvert and Bedding, complete and in place for	\$ _____	\$ _____
25.	190 LF	5 – 3' x 3' Multiple Box Culverts at App. Sta: 40+70, Pre-Cast, per TxDOT Item 462-6002, include Excavation/Embankment, Shoring and Bedding, complete and in place for	\$ _____	\$ _____
26.	2 EA	Wingwalls for Multiple Box Culverts at App. Sta: 40+70, (PW-1) per TxDOT Item 466-6178, include Excavation/Embankment, Shoring, Connection to Culvert and Bedding, complete and in place for	\$ _____	\$ _____

ITEM NO.	ESTIMATED QUANTITY	ITEM DESCRIPTION	UNIT PRICE	TOTAL AMOUNT
27.	190 LF	5 – 3' x 3' Multiple Box Culverts at App. Sta: 45+15, Pre-Cast, per TxDOT Item 462-6002, include Excavation/Embankment, Shoring and Bedding, complete and in place for	\$ _____	\$ _____
28.	2 EA	Wingwalls for Multiple Box Culverts at App. Sta: 45+15, (PW-1) per TxDOT Item 466-6178, include Excavation/Embankment, Shoring, Connection to Culvert and Bedding, complete and in place for	\$ _____	\$ _____
29.	228 LF	6 – 6' x 3' Multiple Box Culverts at App. Sta: 67+25, Pre-Cast, per TxDOT Item 462-6010, include Excavation/Embankment, Shoring and Bedding, complete and in place for	\$ _____	\$ _____
30.	2 EA	Wingwalls for Multiple Box Culverts at App. Sta: 67+25, (PW-1) per TxDOT Item 466-6178, include Excavation/Embankment, Shoring, Connection to Culvert and Bedding, complete and in place for	\$ _____	\$ _____
31.	304 LF	8 – 6' x 3' Multiple Box Culverts at App. Sta: 73+80, Pre-Cast, per TxDOT Item 462-6010, include Excavation/Embankment, Shoring and Bedding, complete and in place for	\$ _____	\$ _____
32.	2 EA	Wingwalls for Multiple Box Culverts at App. Sta: 73+80, (PW-1) per TxDOT Item 466-6178, include Excavation/Embankment, Shoring, Connection to Culvert and Bedding, complete and in place for	\$ _____	\$ _____

ITEM NO.	ESTIMATED QUANTITY	ITEM DESCRIPTION	UNIT PRICE	TOTAL AMOUNT
33.	114 LF	3 – 5' x 3' Multiple Box Culverts at App. Sta: 116+75, Pre-Cast, per TxDOT Item 462-6007, include Excavation/Embankment, Shoring and Bedding, complete and in place for	\$ _____	\$ _____
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34.	2 EA	Wingwalls for Multiple Box Culverts at App. Sta: 116+75, (PW-1) per TxDOT Item 466-6178, include Excavation/Embankment, Shoring, Connection to Culvert and Bedding, complete and in place for	\$ _____	\$ _____
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35.	115 LF	4 – 4' x 3' Multiple Box Culverts at App. Sta: 160+50, Pre-Cast, per TxDOT Item 462-6004, include Excavation/Embankment, Shoring and Bedding, complete and in place for	\$ _____	\$ _____
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36.	2 EA	Wingwalls for Multiple Box Culverts at App. Sta: 160+50, (PW-1) per TxDOT Item 466-6178, include Excavation/Embankment, Shoring, Connection to Culvert and Bedding, complete and in place for	\$ _____	\$ _____
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37.	380 LF	10 – 6' x 3' Multiple Box Culverts at App. Sta: 229+50, Pre-Cast, per TxDOT Item 462-6010, include Excavation/Embankment, Shoring and Bedding, complete and in place for	\$ _____	\$ _____
-----				
38.	2 EA	Wingwalls for Multiple Box Culverts at App. Sta: 229+50, (PW-1) per TxDOT Item 466-6178, include Excavation/Embankment, Shoring, Connection to Culvert and Bedding, complete and in place for	\$ _____	\$ _____

<b>ITEM NO.</b>	<b>ESTIMATED QUANTITY</b>	<b>ITEM DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>TOTAL AMOUNT</b>
39.	168 LF	4 – 36” Skew Pipe Culverts at App. Sta: 269+00, RCP Pipe (CL V), per TxDOT Item 462-6027, include Excavation/Embankment, Shoring and Bedding, complete and in place for	\$ _____	\$ _____
40.	2 EA	Headwalls for Skew Pipe Culverts at App. Sta: 269+90, (CH-PW-S) per TxDOT Item 466-6134, include Excavation/Embankment, Shoring, Connection to Culvert and Bedding, complete and in place for	\$ _____	\$ _____
41.	168 LF	4 – 36” Pipe Culverts at App. Sta: 275+00, RCP Pipe (CL V), per TxDOT Item 462-6027, include Excavation/Embankment, Shoring and Bedding, complete and in place for	\$ _____	\$ _____
42.	2 EA	Headwalls for Pipe Culverts at App. Sta: 275+00, (CH-PW-0) per TxDOT Item 466-6101, include Excavation/Embankment, Shoring, Connection to Culvert and Bedding, complete and in place for	\$ _____	\$ _____
43.	1 LS	Mobilization, Establish and Remove Offices, Plants, Facilities, per TxDOT Item 500-6001, complete and in place for	\$ _____	\$ _____
44.	9 MO	Traffic Control Measures as shown on Plans, Provide Barricades, Signs, And Traffic control, per TxDOT Item 502-6001, complete and in place for	\$ _____	\$ _____

<b>ITEM NO.</b>	<b>ESTIMATED QUANTITY</b>	<b>ITEM DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>TOTAL AMOUNT</b>
45.	8,200 SF	1' depth 7-8" large Concrete Rock Rubble Riprap, complete and in place for	\$ _____	\$ _____
46.	1,680 SY	9" Reinforced Concrete Driveway Construction at App. Sta: 36+15 and Sta: 221+85, per TxDOT Item 530-6010, complete and in place for	\$ _____	\$ _____
47.	650 LF	Metal Beam Guard Rails (Long-Span), (420 LF Wood Post/ 225 LF Steel Post) Item 540-6017, complete and in place for	\$ _____	\$ _____
48.	2,500 LF	T 631 Guard Rails for Bridge Class Structures Item 450-6018, (1,700 LF Wood post/ 700 LF Steel Post, complete and in place for	\$ _____	\$ _____
49.	600 LF	Install or Replace Barbed Wire Fence with Metal Posts, pre TxDOT Item 552-6003, as shown on plan, complete and in place for	\$ _____	\$ _____
50.	38 EA	Furnish, fabricate and install small roadside sign assemblies, per TxDOT Item 644-6027, complete and in place for	\$ _____	\$ _____

<b>ITEM NO.</b>	<b>ESTIMATED QUANTITY</b>	<b>ITEM DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>TOTAL AMOUNT</b>
51.	55,000 LF	Furnish and place Shoulder Lane pavement markings as shown on plans, per TxDOT Item 666-6012, complete and in place for	\$ _____	\$ _____
-----				
52.	55,000 LF	Furnish and place Double Center Line pavement markings as shown on plans, per TxDOT Item 666-6126, complete and in place for	\$ _____	\$ _____
-----				
53.	735 EA	Retroflective Pavement Markers, per TxDOT item 672-6006, complete and in place for	\$ _____	\$ _____
-----				
54.	800 LF	Furnish, place and remove Rock Filter Dams as directed by Engineer, per TxDOT Items 506-6002, 506-6011, complete for	\$ _____	\$ _____
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55.	3,700 CY	6" Caliche Turn Around as shown on Plans, per TxDOT Item 247-6045, complete and in place for	\$ _____	\$ _____
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56.	3,400 LF	Temp. Sediment Control Fence, Install and Remove Items 506-6038 and Item 506-6039, Complete and in place for	\$ _____	\$ _____
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<b>TOTAL BASE PRICE ITEMS SUBTOTAL</b>			<b>\$ _____</b>	

**WRITTEN IN WORDS** \_\_\_\_\_

<b>ITEM NO.</b>	<b>ESTIMATED QUANTITY</b>	<b>ITEM DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>TOTAL AMOUNT</b>
<b>ROADWAY SECTION</b>				
57.	28,000 GAL	Prepare and Treat surface with Asphalt Binder, per TxDOT Item 310-6009, as per Geotech report, complete and in place for	\$ _____	\$ _____
-----				
58.	11,500 TON	2" Hot-Mix Asphalt, Type C, per TxDOT Item 340-6034, as per Geotech report, complete and in place for	\$ _____	\$ _____
-----				
59.	27,800 CY	12" Caliche Flexible Base, per TxDOT Item 247-6045, compacted, as per Geotech report, complete and in place for	\$ _____	\$ _____
-----				
60.	84,500 SY	Mix and Compact Lime, Water, with 7" of Base, per TxDOT Item 260-6015, compacted, as per Geotech report, complete and in place for	\$ _____	\$ _____
-----				
61.	1,600 TON	Lime (HYD, COM, OR QK (SLURRY)), per TxDOT Item 260-6016, compacted, as per Geotech report, complete and in place for	\$ _____	\$ _____
-----				
62.	84,500 SY	Geogrid Reinforcement Type V, with 1' Overlap, as per Geotech report, complete and in place for	\$ _____	\$ _____
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**TOTAL ROADWAY SECTION SUBTOTAL**    \$ \_\_\_\_\_

**WRITTEN IN WORDS** \_\_\_\_\_

PAGE 11 OF 14

<b>ITEM NO.</b>	<b>ESTIMATED QUANTITY</b>	<b>ITEM DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>TOTAL AMOUNT</b>
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**ROADWAY SECTION – ALTERNATE - 1**

57.1	28,000 GAL	Prepare and Treat surface with Asphalt Binder, per TxDOT Item 310-6009, complete and in place for	\$ _____	\$ _____
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58.1	11,500 TON	2” Hot-Mix Asphalt, Type C, per TxDOT Item 340-6034, as per Geotech report, complete and in place for	\$ _____	\$ _____
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59.1	34,500 CY	14.5” Caliche Flexible Base, per TxDOT Item 247-6045, compacted, as per Geotech report, complete and in place or	\$ _____	\$ _____
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60.1	84,500 SY	Mix and Compact Lime, Water, with 10” of Base, per TxDOT Item 260-6054, compacted, as per Geotech report, complete and in place for	\$ _____	\$ _____
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61.1	1,200 TON	Lime (HYD, COM, OR QK (SLURRY)), per TxDOT Item 260-6016, compacted, as per Geotech report, complete and in place for	\$ _____	\$ _____
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**TOTAL ROADWAY SECTION – ALTERNATE - 1**    \$ \_\_\_\_\_

**WRITTEN IN WORDS** \_\_\_\_\_

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ITEM NO.	ESTIMATED QUANTITY	ITEM DESCRIPTION	UNIT PRICE	TOTAL AMOUNT
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**ROADWAY SECTION - ALTERNATE - 2**

57.2	28,000 GAL	Prepare and Treat surface with Asphalt Binder, per TxDOT Item 310-6009, complete and in place for	\$ _____	\$ _____
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58.2	14,500 TON	2.5" Hot-Mix Asphalt, Type C, per TxDOT Item 340-6034, complete and in place for	\$ _____	\$ _____
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59.2	29,500 CY	12.5" Caliche Flexible Base, per TxDOT Item 247-6045, compacted, complete and in place for	\$ _____	\$ _____
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60.2	84,500 SY	Mix and Compact Lime, Water, with 10" of Base, per TxDOT Item 260-6054, compacted, complete and in place for	\$ _____	\$ _____
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61.2	1,575 TON	Lime (HYD, COM, OR QK (SLURRY)), per TxDOT Item 260-6016, compacted, complete and in place for	\$ _____	\$ _____
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**TOTAL ROADWAY SECTION – ALTERNATE - 2**      \$ \_\_\_\_\_

**WRITTEN IN WORDS** \_\_\_\_\_  
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**PROJECT TOTALS**

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**TOTAL BASE PRICE ITEMS SUBTOTAL** \$ \_\_\_\_\_

**TOTAL ROADWAY SECTION SUBTOTAL** \$ \_\_\_\_\_

**TOTAL PROJECT PRICE  
W/ROADWAY SECTION** \$ \_\_\_\_\_

**WRITTEN IN WORDS** \_\_\_\_\_  
\_\_\_\_\_

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**TOTAL BASE PRICE ITEMS SUBTOTAL** \$ \_\_\_\_\_

**TOTAL ROADWAY SECTION ALT-1 SUBTOTAL** \$ \_\_\_\_\_

**TOTAL PROJECT PRICE (ALT-1)  
W/ROADWAY SECTION** \$ \_\_\_\_\_

**WRITTEN IN WORDS** \_\_\_\_\_  
\_\_\_\_\_

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**TOTAL BASE PRICE ITEMS SUBTOTAL** \$ \_\_\_\_\_

**TOTAL ROADWAY SECTION ALT-2 SUBTOTAL** \$ \_\_\_\_\_

**TOTAL PROJECT PRICE  
W/ROADWAY SECTION** \$ \_\_\_\_\_

**WRITTEN IN WORDS** \_\_\_\_\_  
\_\_\_\_\_

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**CONTRACTOR: ESPEJO GATES ROAD IMPROVEMENTS**

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**CONTRACTOR**

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**SIGNATURE**

**TITLE**

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**ADDRESS**

**CITY/STATE**

**ZIP CODE**

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**TELEPHONE NUMBER**

**FAX NUMBER**

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**NOTE:**

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ALL PROPOSED ITEMS WILL BE PAID FOR WHEN COMPLETE IN PLACE, TESTED, APPROVED BY THE ENGINEER AND ACCEPTED BY THE OWNER, AND WHEN ALL CONSTRUCTION DEBRIS AND OTHER CONSTRUCTION MATERIALS ARE CLEARED FROM SITE. ADHERENCE TO STORM WATER POLLUTION PREVENTION PRACTICES, CONSTRUCTION TRAFFIC CONTROLS (SIGNS, BARRICADES, CONES) AND ENVIROMENTAL PRACTICES AS REQUIRED, WHICH ARE SUBSIDIARY TO UNIT COSTS FOR THE ROADWAY/BRIDGE/CULVERT IMPROVEMENT PROJECT. ALL BID ITEMS SHALL INCLUDE ANY ADDITIONAL WORK REQUIRED FOR THE INSTALLION OF THE ITEMS IDENTIFIED AND DESIGN AS REPRESENTED ON THE PLANS. IT IS THE REPSONSIBILTY OF THE BIDDER TO REVIEW THE PLANS AND VISIT THE PROJECT SITE PRIOR TO SUBMITTING THEIR FINAL BID.