

NOTIFICATION OF ADDENDUM

ADDENDUM NO. 2

DATED 11/02/2016

Control	2659-02-001
Project	STP 1602(136)MM
Highway	SS 1570
County	HUNT

Ladies/Gentlemen:

Attached please find an addendum on the above captioned project. Included in the attachment is an addendum notification which details the changes and the respective proposal pages which were added and/or changed.

Except for new bid insert pages, it is unnecessary to return any of the pages attached.

Bid insert pages must be returned with the bid proposal submitted to the Department, unless your firm is submitting a bid using a computer print out. The computer print out must be changed to reflect the new bid item information.

Contractors and material suppliers, etc. who have previously been furnished informational proposals are not being furnished a copy of the addendum. If you have a subcontractor on the above project, please advise them of this addendum. Acknowledgment of this addendum is not requested if your company has been issued a proposal stamped "This Proposal Issued for Informational Purposes."

You are required to acknowledge receipt of this addendum on the Addendum Acknowledgement form contained in your bid proposal by placing a mark in the box next to the respective addendum.

Failure to Acknowledge receipt of this addendum in your bid proposal will result in your bid not being read.

SUBJECT: PLANS AND PROPOSAL ADDENDUMS

PROJECT: STP 1602(136)MM

CONTROL: 2659-02-001

COUNTY: HUNT

LETTING: 11/03/2016

REFERENCE NO: 1102

PROPOSAL ADDENDUMS

-
- PROPOSAL COVER
 - BID INSERTS (SH. NO.: 5-8 through 8-8)
 - GENERAL NOTES (SH. NO.: E through H)

 - SPEC LIST (SH. NO.:)
 - SPECIAL PROVISIONS:)
 - ADDED:)

 - DELETED:

 - SPECIAL SPECIFICATIONS:
 - ADDED:

 - DELETED:

 - OTHER: see below

DESCRIPTION OF ABOVE CHANGES
(INCLUDING PLANS SHEET CHANGES)

Proposal:

Bid Inserts, Sheet 5-8, deleted Item 512 6015. Increased quantity of 512 6005. Items shifted.

Bid Inserts, Sheets 6-8 through 8-8, Items shifted.

Specification Data, Sheet E, Added General Notes under Item 416.

Specification Data, Sheets F through H, Notes shifted.

Plan Sheets:

General Notes, Sheet 11C, Added General Notes under Item 416.

General Notes, Sheet 11D, Notes Shifted.

E&Q, Sheet 12A, deleted Item 512 6015. Increased quantity of Item 512 6005

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	100	6002		PREPARING ROW DOLLARS and CENTS	STA	98.170	1
	105	6019		REMOVING STAB BASE & ASPH PAV(14") DOLLARS and CENTS	SY	2,728.000	2
	110	6001		EXCAVATION (ROADWAY) DOLLARS and CENTS	CY	17,396.000	3
	110	6002		EXCAVATION (CHANNEL) DOLLARS and CENTS	CY	30.000	4
	132	6004		EMBANKMENT (FINAL)(DENS CONT)(TY B) DOLLARS and CENTS	CY	147,239.000	5
	164	6009		BROADCAST SEED (TEMP) (WARM) DOLLARS and CENTS	SY	53,033.000	6
	164	6011		BROADCAST SEED (TEMP) (COOL) DOLLARS and CENTS	SY	53,033.000	7
	164	6015		STRAW/HAY MLCH SEED(PERM)(RURAL)(CLAY) DOLLARS and CENTS	SY	106,063.000	8
	168	6001		VEGETATIVE WATERING DOLLARS and CENTS	MG	1,723.000	9
	169	6005		SOIL RETENTION BLANKETS (CL 2) (TY E) DOLLARS and CENTS	SY	4,362.000	10
	169	6006		SOIL RETENTION BLANKETS (CL 2) (TY F) DOLLARS and CENTS	SY	5,296.000	11

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	247	6344		FL BS (CMP IN PLACE)(TY D GR 4)(12") DOLLARS and CENTS	SY	58,993.000	12
	260	6005		LIME (QUICKLIME (SLURRY)) DOLLARS and CENTS	TON	787.000	13
	260	6006		LIME TRT (EXST MATL) (6") DOLLARS and CENTS	SY	58,196.000	14
	310	6009		PRIME COAT (MC-30) DOLLARS and CENTS	GAL	11,730.000	15
	341	6008		D-GR HMA TY-B PG64-22 DOLLARS and CENTS	TON	12,411.000	16
	341	6038		D-GR HMA TY-D SAC-A PG64-22 DOLLARS and CENTS	TON	6,129.000	17
	400	6005		CEM STABIL BKFL DOLLARS and CENTS	CY	212.700	18
	416	6004		DRILL SHAFT (36 IN) DOLLARS and CENTS	LF	1,596.000	19
	420	6012		CL B CONC (MISC) DOLLARS and CENTS	CY	69.000	20
	420	6013		CL C CONC (ABUT) DOLLARS and CENTS	CY	80.200	21
	420	6025		CL C CONC (BENT) DOLLARS and CENTS	CY	88.400	22
	422	6001		REINF CONC SLAB DOLLARS and CENTS	SF	13,820.000	23

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	422	6015		APPROACH SLAB DOLLARS and CENTS	CY	213.000	24
	425	6036		PRESTR CONC GIRDER (TX34) DOLLARS and CENTS	LF	1,779.850	25
	432	6004		RIPRAP CONC (8 IN) DOLLARS and CENTS	CY	3.000	26
	432	6008		RIPRAP (CONC)(CL B)(RR8&RR9) DOLLARS and CENTS	CY	168.000	27
	432	6036		RIPRAP (STONE PROTECTION)(30 IN) DOLLARS and CENTS	CY	209.000	28
	432	6045		RIPRAP (MOW STRIP)(4 IN) DOLLARS and CENTS	CY	18.000	29
	450	6016		RAIL (TY T552) DOLLARS and CENTS	LF	223.300	30
	454	6001		SEALED EXPANSION JOINT (4 IN) (SEJ - A) DOLLARS and CENTS	LF	158.000	31
	462	6007		CONC BOX CULV (5 FT X 3 FT) DOLLARS and CENTS	LF	118.000	32
	462	6008		CONC BOX CULV (5 FT X 4 FT) DOLLARS and CENTS	LF	560.000	33
	464	6003		RC PIPE (CL III)(18 IN) DOLLARS and CENTS	LF	14.000	34
	464	6005		RC PIPE (CL III)(24 IN) DOLLARS and CENTS	LF	398.000	35

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	464	6007		RC PIPE (CL III)(30 IN) DOLLARS and CENTS	LF	656.000	36
	466	6165		WINGWALL (FW - S) (HW=4 FT) DOLLARS and CENTS	EA	2.000	37
	466	6194		WINGWALL (PW - 2) (HW=5 FT) DOLLARS and CENTS	EA	1.000	38
	466	6197		WINGWALL (PW - 2) (HW=8 FT) DOLLARS and CENTS	EA	1.000	39
	467	6363		SET (TY II) (18 IN) (RCP) (6: 1) (P) DOLLARS and CENTS	EA	2.000	40
	467	6390		SET (TY II) (24 IN) (RCP) (4: 1) (C) DOLLARS and CENTS	EA	2.000	41
	467	6394		SET (TY II) (24 IN) (RCP) (6: 1) (C) DOLLARS and CENTS	EA	6.000	42
	467	6395		SET (TY II) (24 IN) (RCP) (6: 1) (P) DOLLARS and CENTS	EA	4.000	43
	467	6417		SET (TY II) (30 IN) (RCP) (3: 1) (C) DOLLARS and CENTS	EA	2.000	44
	467	6419		SET (TY II) (30 IN) (RCP) (4: 1) (C) DOLLARS and CENTS	EA	8.000	45
	496	6007		REMOV STR (PIPE) DOLLARS and CENTS	LF	124.000	46
	496	6009		REMOV STR (BRIDGE 0 - 99 FT LENGTH) DOLLARS and CENTS	EA	1.000	47

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	496	6043		REMOV STR (SMALL FENCE) DOLLARS and CENTS	LF	1,736.000	48
	500	6001		MOBILIZATION DOLLARS and CENTS	LS	1.000	49
	502	6001		BARRICADES, SIGNS AND TRAFFIC HAN- DLING DOLLARS and CENTS	MO	20.000	50
	506	6001	003	ROCK FILTER DAMS (INSTALL) (TY 1) DOLLARS and CENTS	LF	200.000	51
	506	6002	003	ROCK FILTER DAMS (INSTALL) (TY 2) DOLLARS and CENTS	LF	930.000	52
	506	6003	003	ROCK FILTER DAMS (INSTALL) (TY 3) DOLLARS and CENTS	LF	65.000	53
	506	6011	003	ROCK FILTER DAMS (REMOVE) DOLLARS and CENTS	LF	1,130.000	54
	506	6038	003	TEMP SEDMT CONT FENCE (INSTALL) DOLLARS and CENTS	LF	9,678.000	55
	506	6039	003	TEMP SEDMT CONT FENCE (REMOVE) DOLLARS and CENTS	LF	9,678.000	56
	512	6005		PORT CTB (FUR & INST)(F-SHAPE)(TY 1) DOLLARS and CENTS	LF	300.000	57
	530	6005		DRIVEWAYS (ACP) DOLLARS and CENTS	SY	1,909.000	58
	540	6006		MTL BEAM GD FEN TRANS (THRIE-BEAM) DOLLARS and CENTS	EA	4.000	59

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	542	6001		REMOVE METAL BEAM GUARD FENCE DOLLARS and CENTS	LF	50.000	60
	542	6002		REMOVE TERMINAL ANCHOR SECTION DOLLARS and CENTS	EA	4.000	61
	542	6005		RM MTL BM GD FEN TRANS (T101) DOLLARS and CENTS	EA	4.000	62
	544	6001		GUARDRAIL END TREATMENT (INSTALL) DOLLARS and CENTS	EA	4.000	63
	618	6058		CONDT (PVC) (SCH 80) (4") DOLLARS and CENTS	LF	165.000	64
	624	6003		GROUND BOX TY B (122322) DOLLARS and CENTS	EA	3.000	65
	636	6007		REPLACE EXISTING ALUMINUM SIGNS(TY A) DOLLARS and CENTS	SF	25.000	66
	644	6001		IN SM RD SN SUP&AM TY10BWG(1)SA(P) DOLLARS and CENTS	EA	30.000	67
	644	6004		IN SM RD SN SUP&AM TY10BWG(1)SA(T) DOLLARS and CENTS	EA	21.000	68
	644	6007		IN SM RD SN SUP&AM TY10BWG(1)SA(U) DOLLARS and CENTS	EA	1.000	69
	644	6028		IN SM RD SN SUP&AM TYS80(1)SA(P-BM) DOLLARS and CENTS	EA	5.000	70
	644	6030		IN SM RD SN SUP&AM TYS80(1)SA(T) DOLLARS and CENTS	EA	1.000	71

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	658	6001		INSTL DEL ASSM (D-SW)SZ 1(FLX)GND DOLLARS and CENTS	EA	12.000	72
	658	6019		INSTL DEL ASSM (D-SY)SZ 1(FLX)GND(BR) DOLLARS and CENTS	EA	42.000	73
	658	6051		INSTL OM ASSM (OM-3L)(FLX)SRF DOLLARS and CENTS	EA	1.000	74
	658	6054		INSTL OM ASSM (OM-3R)(FLX)SRF DOLLARS and CENTS	EA	1.000	75
	658	6071		INSTL DEL ASSM (D-SY)SZ (BRF)CTB (BI) DOLLARS and CENTS	EA	6.000	76
	662	6109		WK ZN PAV MRK SHT TERM (TAB)TY W DOLLARS and CENTS	EA	48.000	77
	662	6111		WK ZN PAV MRK SHT TERM (TAB)TY Y-2 DOLLARS and CENTS	EA	827.000	78
	666	6036		REFL PAV MRK TY I (W)8"(SLD)(100MIL) DOLLARS and CENTS	LF	2,486.000	79
	666	6048		REFL PAV MRK TY I (W)24"(SLD)(100MIL) DOLLARS and CENTS	LF	186.000	80
	666	6054		REFL PAV MRK TY I (W)(ARROW)(100MIL) DOLLARS and CENTS	EA	14.000	81
	666	6078		REFL PAV MRK TY I (W)(WORD)(100MIL) DOLLARS and CENTS	EA	14.000	82
	666	6224		PAVEMENT SEALER 4" DOLLARS and CENTS	LF	44,324.000	83

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	666	6226		PAVEMENT SEALER 8" DOLLARS and CENTS	LF	2,486.000	84
	666	6230		PAVEMENT SEALER 24" DOLLARS and CENTS	LF	186.000	85
	666	6231		PAVEMENT SEALER (ARROW) DOLLARS and CENTS	EA	14.000	86
	666	6232		PAVEMENT SEALER (WORD) DOLLARS and CENTS	EA	14.000	87
	666	6315		RE PM W/RET REQ TY I (Y)4"(SLD)(100MIL) DOLLARS and CENTS	LF	24,150.000	88
	666	6342		REF PROF PAV MRK TY I(W)4"(SLD)(100MIL) DOLLARS and CENTS	LF	20,174.000	89
	672	6007		REFL PAV MRKR TY I-C DOLLARS and CENTS	EA	128.000	90
	672	6009		REFL PAV MRKR TY II-A-A DOLLARS and CENTS	EA	538.000	91
	5005	6004		BALLASTED TRACK CST TIMBER TIES (TRACK) DOLLARS and CENTS	LF	20.000	92
	5005	6013		CONCRETE VEHICULAR GRADE CROSSING DOLLARS and CENTS	LF	60.000	93

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GENERAL NOTES

General:

This project contains the following modified standard sheets: NONE.

Questions prior to letting may be submitted by email to the names listed below and will be answered by email:

Greenville Area Office:

Tommy Henderson, P.E. – tommy.henderson@txdot.gov

Jesse Herrera, P.E. – jesse.herrera@txdot.gov

A file containing these questions and answers will be available for review by other contractors.

Dispose of waste materials at an approved site. Furnish written approval from the property owner before disposal of waste materials.

Locate equipment a minimum of 30 feet from roadway when possible. Place signs and barricades as approved.

Stockpile sites for construction materials will be approved. Give at least 48 hours notification prior to stockpiling material.

Soil Sulfates Mitigation- The following notes are referenced hereafter by Items 110, 132 & 260:

Subgrade Sulfate Testing ~ Once proposed subgrade elevations are obtained TXDOT may test subgrade using an in-field continuous conductivity machine to determine where necessary soil samples will be collected for laboratory testing. Laboratory testing will determine necessary high sulfate mitigation techniques.

0 – 3,000 ppm of sulfates - no restrictions.

3,001 – 7,000 ppm of sulfates - In a single application, add the prescribed total amount of lime. Uniformly mix the lime into the soil being treated. Lightly compact the mixture to seal and minimize carbonation. Maintain moisture content above optimum. Three days after initial addition of lime, determine soluble sulfate concentration sampled at locations as directed using Tex-145-E, and if the sulfate measurement has been reduced to 3,000 ppm or less, then no additional lime or mellowing time is necessary; however, if sulfate measurement has not been reduced to 3,000 ppm or less, then add 4% additional lime. Uniformly mix the lime into the pretreated soil. Lightly compact the mixture to seal and minimize carbonation and mellow an additional 7 days while maintaining moisture content above optimum. Reprocess the soil-lime mixture to meet the gradation requirements in Item 260, Table 1, and compact it at the optimum moisture content.

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Greater than 7,000 ppm of sulfates - Do not bring this soil onto project. Remove or process as directed.

The Department will pay for additional lime treatment of material originating in TxDOT right-of-way when sulfate concentrations are greater than 3,000 ppm and such material is required to be used as shown in the plans.

Item 2 Instructions to Bidders:

View plans on-line or download from the web at:

<http://www.txdot.gov/business/letting-bids/plans-online.html>

Order plans from any of the plan reproduction companies shown on the web at:

<http://www.txdot.gov/business/letting-bids/repro-companies.html>

Item 5 Control of the Work:

The responsibility for the construction surveying on this contract will be in accordance with Section 5.9.3, Method C.

Item 7 Legal Relations and Responsibilities:

The Contractor Force Account "Safety Contingency" that has been established for this project is intended to be utilized for work zone enhancements, to improve the effectiveness of the Traffic Control Plan, that could not be foreseen in the project planning and design stage. These enhancements will be mutually agreed upon by the Engineer and the Contractor's Responsible Person based on weekly or more frequent traffic management reviews on the project. The Engineer may choose to use existing bid items if it does not slow the implementation of enhancement.

Item 8 Prosecution and Progress:

Provide a Critical Path Method (CPM) progress schedule for this project.

Item 100 Preparing Right of Way:

Remove all trees and brush from centerline to ROW line on both sides of roadway. Remove underbrush and neatly trim trees and overhanging branches to produce a 60' vertical clear area within the limits of Prep ROW. Remove any trees or underbrush that interferes with any construction operation, including relocation of ditches or other drainage elements. Receive approval of equipment used to trim limbs. A boom axe will not be allowed. Remove all trimmed debris from the ROW, unless otherwise approved.

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Provide fencing to protect wetland area as shown in the plans. All materials and labor for erecting, maintaining, and removing the fence are subsidiary to this pay item.

Item 110 Excavation:

Material below finished subgrade elevation suspected of containing sulfates will be tested in accordance with Tex -145-E by the Department. Treat subgrade material to the required depth and width in accordance with the Soil Sulfates Mitigation General Notes.

Item 132 Embankment:

Test potential embankment sources using Tex-145-E to determine the presence and concentration of sulfates.

Embankment sources containing sulfates that meet specification requirements may be used as fill material provided it is placed with at least one foot of separation from materials to be treated with lime, cement, or other calcium-based stabilizers. When soils are to be placed with less than one foot of separation from material to be treated with lime, cement, or other calcium based stabilizers, process and treat such soils according to the Soil Sulfates Mitigation General Notes.

No additional compensation will be made for stabilizing and treating embankment material obtained outside TxDOT right-of-way which has a sulfate concentration exceeding 3,000 ppm

Item 164 Seeding for Erosion Control, 166 Fertilizer:

Apply fertilizer with a ratio of 3-1-2 over the areas to be seeded. This work will not be paid for directly, but will be considered subsidiary.

Item 168 Vegetative Watering:

Use water trucks equipped with a sprinkler system adequate to permit coverage of the entire seeded area from the roadbed. This equipment must be available to perform watering throughout the duration of vegetative establishment.

Water all seeded areas the day seed is applied. Thereafter, maintain the seeded areas in a well-watered condition throughout the duration of vegetative establishment.

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Item 247 Flexible Base:

Grading requirements

Tests to be in accordance with TxDOT Standard Test Methods

Soil Constants

Item Desc.	Linear Shrinkage	LL	Wet Ball	WBMV(incr. passing #40 sieve)
Item 247 Flex Base	6.0 max.	40 max.	40 max.	20% max.

PERCENT RETAINED ON SIEVE:

1-3/4"	7/8"	3/8"	No. 4	No. 40
0	10-35	30-50	45-65	70-85

Flexible Base will not contain more than 1% by weight of clay balls.

Place blue top hubs for alignment and elevations of new base at centerline and edge of pavement.

Measure roadway profile smoothness after the cover prime is placed.

Item 260 Lime Treatment (Road Mixed):

Subgrade, embankment or backfill suspected of containing sulfates will be tested in accordance with Tex -145-E by the Department. Treat subgrade, embankment or backfill material to the required depth and width in accordance with the Soil Sulfates Mitigation General Notes.

Item 300 Asphalts, Oils, and Emulsions:

Provide 1L (1qt.) clean and dry screw top or friction-lid sampling cans as directed.

Furnish at least one sample of each type of asphalt used on the project for QA/QC purposes.

Item 302 Aggregates for Surface Treatments:

Use unmodified AC, PG, or emulsion for precoating aggregate.

Use liquid antistrip or other approved antistrip agent complying with the requirements of Item 301 Asphalt Antistripping Agents. The aggregate will be evaluated for moisture susceptibility using test method TEX-530-C.

Item 341 Dense-Graded Hot-Mix Asphalt:

All surface mixes are to be SAC A.

RAS is not allowed in surface mixes.

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Use a self-propelled wheel mounted MTV capable of receiving mix from the haul trucks, separate from the paver. It shall have a minimum storage capacity of approximately 25 tons. It shall be equipped with a pivoting discharge conveyor and shall completely and thoroughly remix the material prior to placement. The effectiveness of the MTV's remixing ability is subject to the approval of the Engineer. In addition, the paver shall have a surge storage insert with a minimum capacity of 20 tons.

Specify Hot Mix Asphalt Concrete (HMAC) or Warm Mix Asphalt (WMA) at the time of design submittal. After design submittal, continue producing the chosen design unless otherwise approved.

A tack coat is required for all overlay areas and for all longitudinal joints unless otherwise directed. Dilution of the tack asphalt will not be permitted.

Evaluation of the mixture for moisture susceptibility will be performed by using test method TEX 530-C (boil test) and there shall be no evidence of stripping during design verification or at any time during production.

The maximum nighttime paved surface vertical differential will be limited to two inches. Prevent ponding of water on any travel ways that are exposed to traffic.

Perform all sampling for aggregate quality testing on stockpiles at the HMAC plant. Mixture sampling for QC/QA testing will typically be taken from the truck at the plant; however, the Engineer may direct that a sample be taken at any point or location of mixture during production, delivery or placement.

Preparation and construction of permanent / temporary transitions, terminations of mix courses and transitions to driveways and intersecting roadways is subsidiary to Item 341. This includes all labor, machinery, materials and incidentals to complete the work including planing, removal, hauling and stockpiling of materials and necessary clean-up.

Item 416 Drilled Shaft Foundations:

If the overhead power transmission lines crossing the proposed bridge at Station 114+00 to 115+00 have not been relocated, when the Contractor is prepared to begin substructure construction, a low-profile drilling rig will be required to provide adequate vertical clearance for safe operation in the vicinity of the conductors. Neither the mobilization nor use of this specialized equipment will be paid for as extra work, but will be considered subsidiary to this item of work.

Item 421 Hydraulic Cement Concrete:

If the Contractor elects to use air entrainment in concrete when not required, the upper spec limit will not be waived.

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Item 502 Barricades, Signs and Traffic Handling:

All flaggers are required to wear a white hard hat while performing flagging operations.

The traffic control plan for this contract consists of the installation and maintenance of warning signs and other traffic control devices shown in the plans, specification data which may be included in the general notes, applicable provisions of the Texas Manual on Uniform Traffic Control Devices (TMUTCD), traffic control plan sheets included in the plans, standard BC sheets and Item 502 of the Standard Specifications.

Do not begin Item 502, Barricades, Signs, and Traffic Handling, on the roadway until both of the following conditions are met:

1. The work schedule is approved.
2. No more than 5 workdays will pass between the beginning of Item 502 and the actual commencement of roadway work bid items.

The final estimate will be withheld until all disturbed areas are covered with at least 70% perennial vegetative cover.

Correct all deficiencies within the time frame noted on the Traffic Control Device Inspection Form 599. Failure to make corrections within time frame specified may result in no payment for this Item for the month of the noted deficiency.

Item 506 Temporary Erosion, Sedimentation & Environmental Controls:

The Temporary Erosion Control measures for this project will consist of using the following items, as directed:

1. Temporary Silt Fence
2. Rock Filter Dams

Silt fences will remain the property of the Contractor upon completion of the project. The final estimate will not be released until all silt fences have been properly removed, or as directed and 70% establishment of vegetative cover is obtained.

Acquire approval for any change to the location of temporary sediment fence, as shown in the plans, prior to installation. Placement of erosion protection devices may be altered, as directed, to satisfy the requirements of the SW3P.

The pay item to remove rock filter dams will require only a partial removal after 70 percent perennial vegetation has been established and approved. When removing the rock filter dams, leave the lower layer of rock adjacent to the ground in place so as not to disturb the soil.

The total disturbed area for the project is 34.75 acres.

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The disturbed area in this project, all project locations in the Contract, and Contractor project specific locations (PSLs) within one mile of the project limits will further establish the authorization requirements for storm water discharges. The Department will obtain an authorization to discharge storm water from the Texas Commission on Environmental Quality (TCEQ) for the construction activities shown on the plans. Obtain any required authorization from the TCEQ for any Contractor PSLs for construction support activities on or off ROW. When the total area disturbed for all projects in the Contract and PSLs within one mile of the project limits exceeds five acres, provide a copy of the Contractors NOI for PSLs on the ROW (to the appropriate MS4 operator when on an off-system route).

Place temporary sediment control fence, or an alternative material as approved, to minimize and control the amount of sediment that might enter receiving waters from the disturbed area(s). Maintain the sediment controls in a satisfactory manner until the disturbed area(s) is stabilized. After the area(s) has been stabilized, remove the sediment controls. The location and length of the sediment controls will be determined.

The work performed, materials furnished, equipment, labor, tools, and incidentals will not be measured or paid for directly, but will be considered subsidiary to the various bid items.

As directed by the Engineer, the quantity of Rock Filter Dam removal may be reduced in order to provide riprap material for reuse or stockpiling by State forces.

Item 644 Small Roadside Sign Support and Assemblies:

Upon removal of sign assemblies, deliver sign faces to the TxDOT office located at *3001 IH-30 East, Greenville, TX 75402*. Dispose of foundations, posts, and hardware.

Use the Southern Plains style triangular slip base for 10BWG and Schedule 80 posts.

Once the cover prime is completed, the Paris District Traffic Operations office will field verify the need and spacing of chevrons. If this verification results in fewer materials, the Paris District will purchase the excess signs at invoice price.

Item 662 Work Zone Pavement Markings:

Non-removable markings may be paint and beads.

Place flexible reflective roadway tabs in accordance with the current WZ (STPM) prior to seal coat operations. Place tabs to indicate the beginning and ending of no passing zones.

Cut, remove and properly dispose of the upright portions of all work zone tabs prior to acceptance of any roadway. Remove entire tab when located on HMA or concrete surfaces.

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County: Hunt

Control: 2659-02-001

Highway: SS 1570

Item 666 Reflectorized Pavement Markings:

No contract stripe will be placed unless the inspector is present and at least 24 hours advance notice has been given by the Contractor.

Lay out pilot lines for approval 24 hours prior to all final pavement marking applications.

Use equipment with footage counters capable of measuring the linear footage placed. Calibrate counters prior to the beginning of striping operations.

Use a double-drop bead system with an application rate of 7.0 lbs/gal Type II and 7.0 lbs/gal Type III beads. Apply the Type II beads before applying Type III beads. Use a gravity flow applicator to funnel beads onto the stripe. Reduce truck speed enough to ensure that the beads drop onto the stripe and do not roll in the paint film.

Due to problems in traffic handling, do not place a dash center stripe and edge line at the same time.