

NOTIFICATION OF ADDENDUM

ADDENDUM NO. 1

DATED 5/02/2013

Control	0843-02-012
Project	BR 2013(659)
Highway	FM 450
County	HARRISON

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: BR 2013(659)

CONTROL: 0843-02-012

COUNTY: HARRISON

LETTING: 05/08/2013

REFERENCE NO: 0501

PROPOSAL ADDENDUMS

- _ PROPOSAL COVER
- X BID INSERTS (SH. NO.: 2 OF 10)
- X GENERAL NOTES (SH. NO.: A,F)
- X SPEC LIST (SH. NO.: 1,3 OF 4)
- X SPECIAL PROVISIONS:)
- ADDED: 000--2699)

DELETED:

- _ SPECIAL SPECIFICATIONS:
- ADDED:

DELETED:

- X OTHER: PLAN SHEETS

DESCRIPTION OF ABOVE CHANGES
(INCLUDING PLANS SHEET CHANGES)

BID INSERTS-

ADDED BID ITEM 216-2001
BID INSERT SHEET 2 OF 10 CHANGED AS A RESULT

GENERAL NOTES-

SHEET A, ITEM 7: CORRECTED TOTAL AREA DISTURBED
SHEET 5, ITEM 275: DELETED LAST TWO NOTES ABOUT BITUMINOIS PATCHES

SPEC LIST-

ADDED ITEM 216
ADDED SP 000--2699
SPEC LIST SHEETS 1 & 3 OF 4 CHANGED AS A RESULT

PLAN SHEETS-

SHEETS 4,4B: REVISED GENERAL NOTES AS INDICATED ABOVE
SHEETS 5,5A-5B: REVISED E&Q SHEETS TO INCLUDE ITEM 216-2001
DESCRIPTION OF ABOVE CHANGES
(INCLUDING PLANS SHEET CHANGES)

(CONTINUED)

SHEET 234: CORRECTED TOTAL AREA DISTURBED

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	100	2002	002	PREPARING ROW and DOLLARS CENTS	STA	103.000	1
	104	2009		REMOVING CONC (RIPRAP) and DOLLARS CENTS	SY	308.000	2
	110	2001		EXCAVATION (ROADWAY) and DOLLARS CENTS	CY	19,866.000	3
	110	2002		EXCAVATION (CHANNEL) and DOLLARS CENTS	CY	2,000.000	4
	110	2003		EXCAVATION (SPECIAL) and DOLLARS CENTS	CY	5,491.000	5
	132	2006		EMBANKMENT (FINAL)(DENS CONT)(TY C) and DOLLARS CENTS	CY	94,386.000	6
	162	2005		MULCH SODDING and DOLLARS CENTS	CY	8,376.000	7
	164	2009	004	BROADCAST SEED (TEMP) (WARM) and DOLLARS CENTS	SY	12,565.000	8
	164	2011	004	BROADCAST SEED (TEMP) (COOL) and DOLLARS CENTS	SY	12,565.000	9
	164	2054	004	BOND FBR MTRX SEED (PERM)(RURAL)(SAND) and DOLLARS CENTS	SY	50,255.000	10

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	168	2001		VEGETATIVE WATERING DOLLARS and CENTS	MG	904.000	11
	169	2004	002	SOIL RETENTION BLANKETS (CL 1) (TY D) DOLLARS and CENTS	SY	5,000.000	12
	216	2001		PROOF ROLLING DOLLARS and CENTS	HR	50.000	13
	247	2403	044	FL BS (CMP IN PLC) (TY D GR 4) (7") DOLLARS and CENTS	SY	51,255.000	14
	275	2001	003	CEMENT DOLLARS and CENTS	TON	730.900	15
	275	2010	003	CEMENT TREAT (SUBGRADE) (8") DOLLARS and CENTS	SY	52,761.000	16
	310	2001		PRIME COAT (MC-30) DOLLARS and CENTS	GAL	12,816.000	17
	316	2706	016	ASPH (TIER II) DOLLARS and CENTS	GAL	21,527.000	18
	316	2707	016	ASPH (TIER III) DOLLARS and CENTS	GAL	19,453.000	19
	316	2718	016	AGGR (TIER II) DOLLARS and CENTS	CY	569.000	20
	316	2719	016	AGGR (TIER III) DOLLARS and CENTS	CY	466.000	21

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	400	2005		CEM STABIL BKFL DOLLARS and CENTS	CY	142.100	22
	402	2001		TRENCH EXCAVATION PROTECTION DOLLARS and CENTS	LF	50.000	23
	403	2001		TEMPORARY SPL SHORING DOLLARS and CENTS	SF	108.000	24
1	416	2004		DRILL SHAFT (36 IN) DOLLARS and CENTS	LF	3,627.000	25
	420	2022	002	CL E CONC (SEAL) DOLLARS and CENTS	CY	103.000	26
	420	2041	002	CL C CONC (ABUT)(HPC) DOLLARS and CENTS	CY	59.600	27
1	420	2042	002	CL C CONC (BENT)(HPC) DOLLARS and CENTS	CY	583.600	28
	420	2256	002	CL S CONC(APPR SLAB)(HPC) DOLLARS and CENTS	CY	98.600	29
	422	2003		REINF CONC SLAB (HPC)(CL S) DOLLARS and CENTS	SF	110,400.000	30
	425	2067	001	PRESTR CONC GIRDER (TX46) DOLLARS and CENTS	LF	14,327.760	31
	432	2001		RIPRAP (CONC)(4 IN) DOLLARS and CENTS	CY	278.300	32

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	432	2002		RIPRAP (CONC)(5 IN) and DOLLARS CENTS	CY	38.000	33
	432	2021		RIPRAP (STONE PROTECTION)(18 IN) and DOLLARS CENTS	CY	222.200	34
	432	2028		BEDDING MATERIAL (6 IN) and DOLLARS CENTS	CY	60.000	35
	432	2033		RIPRAP (STONE COMMON)(DRY)(12 IN) and DOLLARS CENTS	CY	1,346.400	36
	432	2039		RIPRAP (MOW STRIP)(4 IN) and DOLLARS CENTS	CY	43.200	37
	432	2048		RIPRAP (CONC)(FLUME) and DOLLARS CENTS	CY	3.700	38
	450	2146	001	RAIL (TY T552) and DOLLARS CENTS	LF	230.000	39
	450	2161	001	RAIL (TY T223) and DOLLARS CENTS	LF	4,844.100	40
	454	2001	003	SEALED EXPANSION JOINT (4 IN)(SEJ-A) and DOLLARS CENTS	LF	408.000	41
	454	2004	003	ARMOR JOINT and DOLLARS CENTS	LF	88.000	42
	462	2029	015	CONC BOX CULV (10 FT X 5 FT) and DOLLARS CENTS	LF	177.000	43

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	462	2030	015	CONC BOX CULV (10 FT X 6 FT) and DOLLARS CENTS	LF	260.000	44
	464	2003	006	RC PIPE (CL III)(18 IN) and DOLLARS CENTS	LF	629.000	45
	464	2005	006	RC PIPE (CL III)(24 IN) and DOLLARS CENTS	LF	770.000	46
	464	2009	006	RC PIPE (CL III)(36 IN) and DOLLARS CENTS	LF	60.000	47
	464	2010	006	RC PIPE (CL III)(42 IN) and DOLLARS CENTS	LF	90.000	48
	466	2023		WINGWALL (FW-0)(HW=7 FT) and DOLLARS CENTS	EA	4.000	49
	466	2333		WINGWALL (PW-1)(HW=10 FT) and DOLLARS CENTS	EA	2.000	50
	467	2227	001	SET (TY II)(36 IN)(RCP)(4:1)(C) and DOLLARS CENTS	EA	2.000	51
	467	2286	001	SET (TY II)(18 IN)(RCP)(6:1)(P) and DOLLARS CENTS	EA	26.000	52
	467	2288	001	SET (TY II)(24 IN)(RCP)(6:1)(P) and DOLLARS CENTS	EA	8.000	53
	467	2535	001	SET (TY II)(42 IN)(RCP)(4:1)(P) and DOLLARS CENTS	EA	2.000	54

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	496	2007		REMOV STR (PIPE) DOLLARS and CENTS	LF	860.000	55
	496	2010		REMOV STR (BRIDGE 100-499 FT LENGTH) DOLLARS and CENTS	EA	1.000	56
	500	2001	011	MOBILIZATION DOLLARS and CENTS	LS	1.000	57
	502	2001	033	BARRICADES, SIGNS AND TRAFFIC HAN- DLING DOLLARS and CENTS	MO	24.000	58
	508	2002		CONSTRUCTING DETOURS DOLLARS and CENTS	SY	4,302.000	59
	512	2049	002	PORT CTB (DES SOURCE)(F-SHAPE)(TY 1) DOLLARS and CENTS	LF	640.000	60
	512	2051	002	PORT CTB (STOCKPILE)(F-SHAPE)(TY 1) DOLLARS and CENTS	LF	640.000	61
	529	2004		CONC CURB & GUTTER (TY II) DOLLARS and CENTS	LF	500.000	62
	530	2012	006	DRIVEWAYS (SURF TREAT) DOLLARS and CENTS	SY	2,826.000	63
	540	2001	031	MTL W-BEAM GD FEN (TIM POST) DOLLARS and CENTS	LF	500.000	64

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	ITEM NO	DESC CODE	S.P. NO.				
	540	2011	031	MTL BEAM GD FEN TRANS (THRIE-BEAM) DOLLARS and CENTS	EA	8.000	65
	544	2004	001	GDRAIL END TRT(INST)(WOOD POST)(TY I) DOLLARS and CENTS	EA	8.000	66
	545	2001		CRASH CUSH ATTEN (INSTL) DOLLARS and CENTS	EA	4.000	67
	545	2003		CRASH CUSH ATTEN (REMOVE) DOLLARS and CENTS	EA	4.000	68
	560	2006	001	MAILBOX INSTALL-S (RR-POST) TY 4 FND- TB DOLLARS and CENTS	EA	8.000	69
	560	2007	001	MAILBOX INSTALL-D (TWW-POST)TY 4 FND- TB DOLLARS and CENTS	EA	2.000	70
	560	2008	001	MAILBOX INSTALL-M (TWW-POST)TY 4 FND- TB DOLLARS and CENTS	EA	17.000	71
	644	2025		IN SM RD SN SUP&AM TYS80(1)SA(T) DOLLARS and CENTS	EA	2.000	72
	644	2059		RELOCATE SM RD SN SUP & AM TY TWT DOLLARS and CENTS	EA	7.000	73
	644	2060		REMOVE SM RD SN SUP & AM DOLLARS and CENTS	EA	14.000	74

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	ITEM NO	DESC CODE	S.P. NO.				
	644	2081		IN SM RD SN SUP&AM TYTWT(1)WS(P) DOLLARS and CENTS	EA	7.000	75
	644	2082		IN SM RD SN SUP&AM TYTWT(1)WS(T) DOLLARS and CENTS	EA	2.000	76
	658	2241		INSTL DEL ASSM (D-SW)SZ 1(FLX)GF2(BI) DOLLARS and CENTS	EA	24.000	77
	658	2368		INSTL DEL ASSM(D-DW)SZ1(TYC)CTB(BI) DOLLARS and CENTS	EA	54.000	78
	662	2004		WK ZN PAV MRK NON-REMOV (W) 4" (SLD) DOLLARS and CENTS	LF	10,522.000	79
	662	2032		WK ZN PAV MRK NON-REMOV (Y) 4" (SLD) DOLLARS and CENTS	LF	10,522.000	80
	662	2115		WK ZN PAV MRK SHT TERM (TAB) TY Y-2 DOLLARS and CENTS	EA	894.000	81
	666	2012		REFL PAV MRK TY I (W) 4" (SLD)(100MIL) DOLLARS and CENTS	LF	16,292.000	82
	666	2105		REFL PAV MRK TY I (Y) 4" (BRK)(100MIL) DOLLARS and CENTS	LF	1,855.000	83
	666	2111		REFL PAV MRK TY I (Y) 4" (SLD)(100MIL) DOLLARS and CENTS	LF	6,505.000	84
	666	2145		REF PAV MRK TY II (W) 4" (SLD) DOLLARS and CENTS	LF	16,292.000	85

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	666	2176		REF PAV MRK TY II (Y) 4" (BRK) DOLLARS and CENTS	LF	1,855.000	86
	666	2178		REF PAV MRK TY II (Y) 4" (SLD) DOLLARS and CENTS	LF	6,505.000	87
	668	2105		PREFAB PAV MRK TY C (W) (24") (SLD) DOLLARS and CENTS	LF	52.000	88
	672	2015	034	REFL PAV MRKR TY II-A-A DOLLARS and CENTS	EA	265.000	89
	678	2001		PAV SURF PREP FOR MRK (4") DOLLARS and CENTS	LF	4,800.000	90
	678	2037		PAV SURF PREP FOR MRK(7") DOLLARS and CENTS	LF	4,800.000	91
	1122	2002	001	ROCK FILTER DAMS (INSTALL) (TY 2) DOLLARS and CENTS	LF	1,150.000	92
	1122	2003	001	ROCK FILTER DAMS (INSTALL) (TY 3) DOLLARS and CENTS	LF	125.000	93
	1122	2009	001	ROCK FILTER DAMS (REMOVE) DOLLARS and CENTS	LF	1,275.000	94
	1122	2016	001	CONSTRUCTION EXITS (INSTALL) (TY 1) DOLLARS and CENTS	SY	120.000	95
	1122	2019	001	CONSTRUCTION EXITS (REMOVE) DOLLARS and CENTS	SY	120.000	96

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	1122	2037	001	TEMPORARY SEDIMENT CONTROL FENCE INSTLL and DOLLARS CENTS	LF	17,500.000	97
	1122	2057	001	TEMPORARY SEDIMENT CONTROL FENCE REMOVE and DOLLARS CENTS	LF	17,500.000	98
	6986	2002	007	PREFB PV MK W/WNTY TY B (W)(4")(SLD) and DOLLARS CENTS	LF	4,800.000	99
	6986	2014	007	PREFB PV MK W/WNTY TY B(Y)7"(SLD)CNTST and DOLLARS CENTS	LF	4,800.000	100
				ALTERNATE NO. 1A and DOLLARS CENTS			
	409	2001		PRESTR CONC PIL (16 IN SQ) and DOLLARS CENTS	LF	700.000	101
	409	2004		PRESTR CONC PIL (24 IN SQ) and DOLLARS CENTS	LF	5,214.000	102
	420	2042	002	CL C CONC (BENT)(HPC) and DOLLARS CENTS	CY	483.000	103

GENERAL NOTES:

GENERAL:

An inspection to determine the presence of asbestos was performed on the bridge structure(s) with the following results: None found

A field office will not be required on this project.

Provide a lidded dumpster at a location approved by the Engineer for the disposal of construction debris. This work will be subsidiary to the pertinent bid items.

ITEM 5:

Prior to contract letting, bidders may obtain a free computer diskette or a computerized transfer of files (from the Engineer's office) that contains the earthwork information. If copies of the actual cross-sections in addition to, or instead of, the diskette are requested, prospective bidders may purchase prints of earthwork cross sections from the District Office in Atlanta.

ITEM 7:

Provide 4 to 8 in. aggregate for any temporary haul road channel crossing to limit sedimentation entering the stream. This work will be subsidiary to the pertinent bid items.

Provide an appropriately sized culvert for any temporary haul road channel crossing. This work will be subsidiary to the pertinent bid items.

The permit for this project expires on March 18, 2017.

This project is covered by a U.S. Army Corps of Engineers Nationwide 23 permit (USACE #SWF-2009-00454). Negotiate and obtain any additional permits required by the Corps of Engineers for construction methods not covered by the original permit. The permit is on file at the Engineer's office.

The total area disturbed for this project is 40.4 acres. The disturbed area in this project, all project locations in the Contract, and the Contractor project specific locations (PSLs) within 1 mile of the project limits will be used to 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. The Contractor is to obtain required authorization from the TCEQ for Contractor PSLs for construction support activities on or off the ROW. When the total area disturbed in the Contract and PSLs within 1 mile of the project limits exceeds 5 acres, provide a copy of the Contractor NOI for PSLs on the ROW to the Engineer and to the local government that operates a separate storm sewer system.

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Transmit copies of correspondence between Contractor and resource agencies as listed in Article 7.19 "Preservation of Cultural and Natural Resources and the Environment".

ITEM 8:

The Work Start Date and beginning of Working Day Charges for this project will be July 1, 2013.

Working days will be charged in accordance with Section 8.3.A.4, "Standard Workweek"

Refer to SP 008---063 for additional information regarding beginning of working day charges.

ITEM 100:

Grind stumps as directed.

ITEM 110 & 132:

Embankment and excavation required to construct and remove the detour are subsidiary to Item 508.

ITEM 110:

Compact subgrade in earth cut sections, in accordance with Article 132.3. D.1. (Ordinary Compaction).

As cut slopes are constructed, round off the tops of back slopes to blend into the natural ground.

Excavation of existing stabilized materials will be measured and paid for as road excavation.

Remove abandoned underground utility lines encountered. This work will be subsidiary to the pertinent bid items.

Flare ditches to prevent erosion of the toe of slope in areas of transition from cut to fill.

Excavated materials not meeting the requirements for Type C embankment will be considered waste. Dispose of as directed.

ITEM 110, 132 & 275:

Provide material for the top 12 inches of the subgrade with a minimum P.I. of 3 and a maximum P.I. of 18.

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ITEM 132, 247, 275 & 276:

Furnish material with on organic content of less than 1.0%. The Engineer will test using UV-VIS equipment and procedure determined by TxDOT. Allow two weeks for testing. Testing may be waived when approved by the Engineer.

Use Intelligent Compaction on this project. See SS 2012 for requirements.

ITEM 132:

Furnish material, from sources outside of the right of way, with a soluble sulfate concentration of less than 3000 PPM when tested using test methods Tex-145-E and Tex-146-E.

Test borrow sources and furnish results to the Engineer.

Where fill height is 5 feet or more above natural ground, the specified density will not be required on the first 2 feet of embankment, unless otherwise directed.

Remove deleterious material, organic matter and sediment, etc., from all ponds, lakes, sloughs, channels and existing roadway ditches prior to placement of embankment. This work will be subsidiary to this item.

Compact subgrade in accordance with Article 132.3.D.2. (Density Control).

ITEM 162 & 164:

Finish slopes with a tracked vehicle running vertically up and down the slope.

Mow tall growing vegetation as directed, to provide optimum growing conditions for temporary or permanent seeded areas in accordance with Item 730 "Roadside Mowing" except for measurement and payment. This work will be subsidiary to pertinent bid items.

Repair mulch sod, damaged by causes other than the Contractor's operations, as directed using mulch sod, seeding, and fertilizer. This work will be measured and paid for in accordance with the applicable bid items of the contract.

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ITEM 164:

PERMANENT PLANTING MIXTURE

Species and Rates
(lb. PLS/ac.)

(Season: February 1 to May 15)

Green Sprangletop	0.3
Bermudagrass	2.1
Weeping Lovegrass	1.3
Sand Lovegrass	0.6
Lance-Leaf Coreopsis	1.0

(Season: September 1 to February 1)

Bermuda (Unhulled)	12
Crimson Clover	10

TEMPORARY SEEDING FOR EROSION CONTROL

Warm Season

(Season: May 15 to August 31)

Bermudagrass	12
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Cool Season

(Season: September 1 to November 30)

Tall Fescue	4.5
Oats	24
Wheat	34

Adjust the seeding mixture and rates if directed.

Inoculate crimson clover seed with a legume inoculant. Sow inoculated seed dry, with either hand operated or mechanical equipment, after the fertilizer is placed.

Do not use Bahiagrass.

Use broadcast seeding for temporary erosion control, when and as directed.

Use additional temporary seeding if permanent seeding is placed outside the optimum growing season shown for this item, if directed.

ITEM 166:

When seeding between September 1 and January 1, place one-half of the amount of fertilizer specified for seeding with the seeds and place the remainder the following spring unless otherwise directed. When seeding is placed between January 1 and June 1, place one-half the amount of fertilizer specified for seeding with the seeds and place the remainder 30 days later unless otherwise directed.

ITEM 247:

Furnish clean 5 gallon plastic buckets with lids and wire handles for sampling, transporting, and shipping aggregate and base to the District Lab.

Drill or dig one or more holes for thickness measurement, refill and re-compact material at the location and frequency as directed.

Obtain a price schedule for additional sampling and testing from the Engineer.

Specific requirements for a crushed iron ore source:

Stockpile 10,000 cu. yds. minimum or the estimated volume from the plan quantity.

Place a maximum of 10 layers. Maximum size of stockpile will be 15,000 cu. yds.

The Engineer will test each stockpile.

Refer to Special Provision 247-044 regarding target grading.

ITEM 251

Assume ownership of material removed under this Item.

ITEM 275:

Apply all cement in an essentially dust free manner as approved.

Rates of application of cement for subgrade shown in the plans are for estimating purposes only. Actual rate of application will be determined during construction for each land by the Engineer. The estimated rate of application is 27 lbs/sy. Pretreat with lime Item 260 when the soil PI is greater than 18. The application rates will be determined by the Engineer. When the addition of Item 260 is required, the additional Item will be considered "extra work" in accordance with Art. 9.4.

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ITEM 316:

For final surfaces furnish aggregate with a minimum "B" surface aggregate classification.

The Department may require the use of emulsion instead of AC if conditions so dictate. Apply AC unless otherwise directed.

Cure the surface treatment under traffic a minimum of 14 days before placement of any subsequent surface courses.

ITEM 420:

Chamfer or tool exposed edges or joints of concrete as directed.

ITEM 420,462 & 464:

When unstable foundation materials are encountered, the Engineer will have the option of directing the placement of a foundation seal of Class "A" concrete instead of an undercut.

ITEM 421:

Elevate beam tanks a minimum of one foot above the ground.

Entrained air is required in all bridge deck and slip formed concrete (bridge rail, concrete traffic barrier, pavement, etc.) Adjust the dosage of air entraining agent for low air contents as directed or allowed by the Engineer. If entrained air is provided where not required, only the upper limits of the Special Provision will be enforced.

When a water tank is provided, the Engineer will approve the following: Post and maintain the message "Caution Lime Solution, Eye and Skin Irritant". The message must be visible from every direction the tank can be approached. The letters must be clearly legible at all times. Provide a copy of the MSDS sheet for the lime in use and personal protective equipment (PPE) for TxDOT use only as listed: a face shield, a pair of chemical gloves at least 18 inches in length

and a chemical apron. Store the MSDS sheet and PPE in a clean dry location adjacent to the beam tank. Provide an eye wash station capable of providing a 15 minute flush as required by the United States Occupational Safety and Health Administration (OSHA). The eye wash station shall be located within ten feet of the beam tank. When a tank heater is required ensure that all electrical wiring, receptacles, and devices meet National Electrical Code and Underwriters Laboratories Inc. requirements.

The sand equivalent value will be at least 90.

Produce Grade 3 aggregate so that the percent passing the No. 4 sieve is from 0-10.

ITEM 432:

Provide expansion joint material with an area equal to the area of contact between the two concrete surfaces. The Engineer will visually inspect the joint material for approval.

ITEM 464:

Backfill driveway culverts to obtain a minimum cover of 6 inches. Place backfill in accordance with Article 132.3.D.1 "Ordinary Compaction" using approved equipment.

The Engineer will determine flow lines of pipes under private driveways.

ITEM 467:

Provide precast safety end treatments with a toewall measuring at least 12 inches. Construct toewalls for cast-in-place safety end treatments as shown in the plans.

ITEM 496:

Notify the Engineer at least 30 working days before beginning demolition of the existing structure

ITEM 502:

At the time construction activity obliterates the center stripe on the roadway, erect a "No Center Stripe" sign (CW8-12) (36"x36") and a "Do Not Pass" sign (R4-1) (24"x30") at each end of the work area. Erect additional signs every 1/2 mile within the work area and at other locations as directed. Locate the CW8-12 signs in such a manner that drivers can read the sign and immediately see the change from marked center stripe to no center stripe. Supplement the CW8-12 sign with the "Next XX Miles" sign (CW7-3aP) (18"x24") mounted below it. The CW8-12 signs are to remain until standard pavement markings are placed. The R4-1 signs are to remain until the permanent pavement markings are placed.

Maintenance of driveways and intersections will not be paid for directly but is subsidiary to the pertinent bid items.

Maintain access to abutting property at all times using approved materials and methods. Work required to maintain ingress and egress within the limits of this project will not be paid for directly, but is subsidiary to the pertinent bid items.

Restrict the movement of equipment across traffic lanes to an absolute minimum.

Use strobe lights or rotating beacons on all motorized equipment, operating on or adjacent to the road surface.

Place and maintain U.S. mailboxes within project limits in such a manner as to ensure continuous mail service.

ITEM 508:

Obtain flexible base material from the state stockpile located at intersection of FM 556 & FM 2454.

Salvage and reuse 12 in. stone riprap as directed.

ITEM 512:

The portable concrete traffic barrier furnished by the Department on this project shall be obtained from the following TxDOT stockpile location:

SH 49 – Approximately 2.7 Miles West of US 59

It is the Contractor's responsibility to ensure that proper connection hardware accompanies the portable concrete traffic barrier obtained from the Department. Any additional hardware required to complete the installation as shown in the plans will be provided by the Department. Details of connection hardware will be provided by the Engineer if requested.

Replace any traffic barrier which, in the opinion of the engineer, is damaged to the extent that it is no longer serviceable. Use replacement traffic barrier from the stockpile site designated by the Engineer. This work will be measured and paid for in accordance with item 512, "Portable Concrete Traffic Barrier."

Stockpile concrete traffic barriers and installation hardware, no longer required on the project at the following location:

SH 49 – Approximately 2.7 Miles West of US 59

Project Number: BR

Sheet

County: HARRISON

Control: 0843-02-012

Highway: FM 450

Stockpiled barrier stacks not to exceed 2 barriers high. Do not mix different barrier types within stacks. Stack low profile end pieces separately from regular pieces.

The Department will inventory returned hardware. Replace missing or damaged hardware at the Contractor's expense.

ITEM 530:

Meet the requirements of Item 110, "Excavation" and Item 132, "Embankment, Type "B", except for measurement and payment, for construction of driveways and turnouts.

Meet the requirements of Item 247, "Flexible Base" Type D, Grade 4 except for measurement and payment.

Place the same types of asphaltic material and aggregates as placed on the roadway.

ITEM 540:

Furnish round timber posts unless otherwise shown.

ITEM 540 & 544:

Place sufficient dry batch concrete mix in holes to ensure minimum of 2 inch embedment of tubes and posts.

ITEM 545:

The crash attenuators furnished by the Department on this project shall be obtained from the following TxDOT stockpile location:

Daingerfield Maintenance Yard
552 US 259 N.
Daingerfield, TX 75638

Stockpile crash attenuators and installation hardware at the following location:

Daingerfield Maintenance Yard
552 US 259 N.
Daingerfield, TX 75638

ITEM 560:

Furnish Size 3 (6"x12") object markers.

ITEM 644:

Replace the casting and locking collar for the triangular slip base sign support with a casting that requires a minimum of three set screws. This casting is to be furnished from an approved manufacturer. The list of approved manufacturers may can be found at http://www.txdot.gov/business/contractors_consultants/product_list.htm under” Crashworthy Small Roadside Sign Supports.”

Do not remove existing sign assemblies until signs are ready to be installed on new mounts.

ITEM 662:

Non-removable pavement markings may be paint and beads.

ITEM 666:

Furnish and place a double drop of Type II and Type III drop-on glass beads.

Place pavement markings only after the surface treatment has cured to the satisfaction of the Engineer.

Place pavement markings within 14 days after completion of the final surface.

Mark the lateral locations of pavement markings with pilot lines. Obtain approval of the location and alignment of the pilot lines before application of permanent markings.

The Engineer will determine locations of no-passing zones.

ITEM 1122:

Sprinkle water for dust control. Meet the requirements of Item 204, “Sprinkling” except for measurement and payment. Sprinkling will be considered subsidiary to this Item.

Provide and install additional erosion or water pollution control measures deemed necessary by the Engineer as prescribed by this item and in accordance with the appropriate specification. Payment for erosion control measures for which applicable pay items are not included in the Contract shall be made in accordance with Article 9.4, “Payment for Extra Work”.

Project Number: BR

Sheet

County: HARRISON

Control: 0843-02-012

Highway: FM 450

**SPECIFICATION DATA
TEST TO BE IN ACCORDANCE WITH DEPARTMENT OF
TRANSPORTATION TEST METHODS**

ITEM	DESCRIPTION	GRADING REQUIREMENTS				SOIL CONSTANTS		
		PERCENT RETAINED - SIEVES				L.L.	P.I.	
		2-1/2"	1-3/4"	No. 4	No. 40	MAX.	MAX.	MIN.
132	Embankment (Type C)					50	25	4
247	Flex Base (TY D GR 4)**	0	0-10	45-75	55-85	40	12	3

** LATERAL PRESSURE PSI	** MIN. COMPRESSIVE STRENGTH PSI
0	35
15	175

** COMPRESSIVE STRENGTH TESTING REQUIRED

BASIS OF ESTIMATE

ITEM	DESCRIPTION	RATE	UNIT	QUANTITY
*166	Fertilizer (13-13-13)	800 lb./5,000 sq. yd. of Seed	ton	4
*210	Rolling (Surface Treatment)	1 hr./1,000 sq. yd.	hr.	105

*FOR CONTRACTOR'S INFORMATION ONLY.

CONTROL : 0843-02-012
PROJECT : BR 2013(659)
HIGHWAY : FM 450
COUNTY : HARRISON

TEXAS DEPARTMENT OF TRANSPORTATION

GOVERNING SPECIFICATIONS AND SPECIAL PROVISIONS

ALL SPECIFICATIONS AND SPECIAL PROVISIONS APPLICABLE TO THIS PROJECT ARE IDENTIFIED AS FOLLOWS:

STANDARD SPECIFICATIONS: ADOPTED BY THE TEXAS DEPARTMENT OF
----- TRANSPORTATION JUNE 1, 2004.
STANDARD SPECIFICATIONS ARE INCORPORATED
INTO THE CONTRACT BY REFERENCE.

ITEMS 1 TO 9 INCL., GENERAL REQUIREMENTS AND COVENANTS
ITEM 100 PREPARING RIGHT OF WAY (103)
ITEM 104 REMOVING CONCRETE
ITEM 110 EXCAVATION (132)(508)
ITEM 132 EMBANKMENT (100)(204)(210)(216)(400)(508)(2012)
ITEM 162 SODDING FOR EROSION CONTROL (166)(168)(730)
ITEM 164 SEEDING FOR EROSION CONTROL (162)(166)(168)(730)
ITEM 168 VEGETATIVE WATERING
ITEM 169 SOIL RETENTION BLANKETS
ITEM 216 PROOF ROLLING (210)
ITEM 247 FLEXIBLE BASE (105)(204)(210)(216)(520)(2012)
ITEM 275 CEMENT TREATMENT (ROAD-MIXED) (132)(204)(210)(216)(247)
(260)(300)(310)(520)(2012)
ITEM 310 PRIME COAT (300)(316)
ITEM 316 SURFACE TREATMENTS (210)(300)(302)
ITEM 400 EXCAVATION AND BACKFILL FOR STRUCTURES (132)(401)(420)
(421)
ITEM 402 TRENCH EXCAVATION PROTECTION
ITEM 403 TEMPORARY SPECIAL SHORING (423)
ITEM 409 PRESTRESSED CONCRETE PILING (404)(420)(421)(424)(425)
(426)(440)(780)
ITEM 416 DRILLED SHAFT FOUNDATIONS (420)(421)(440)(448)
ITEM 420 CONCRETE STRUCTURES (400)(421)(427)(438)(440)(448)
ITEM 422 REINFORCED CONCRETE SLAB (420)(421)(424)(426)(440)
ITEM 425 PRECAST PRESTRESSED CONCRETE STRUCTURAL MEMBERS (420)
(421)(424)(426)(427)(434)(440)
ITEM 432 RIPRAP (420)(421)(427)(440)
ITEM 450 RAILING (420)(421)(440)
ITEM 454 BRIDGE EXPANSION JOINTS (442)
ITEM 462 CONCRETE BOX CULVERTS AND STORM DRAINS (400)(420)(421)

- (424)(440)(464)
- ITEM 464 REINFORCED CONCRETE PIPE (132)(400)
- ITEM 466 HEADWALLS AND WINGWALLS (400)(420)(421)(440)(464)
- ITEM 467 SAFETY END TREATMENT (400)(420)(421)(430)(432)(440)(445)
(464)
- ITEM 496 REMOVING STRUCTURES
- ITEM 500 MOBILIZATION
- ITEM 502 BARRICADES, SIGNS, AND TRAFFIC HANDLING
- ITEM 508 CONSTRUCTING DETOURS
- ITEM 512 PORTABLE CONCRETE TRAFFIC BARRIER (420)(421)(424)(440)
(442)
- ITEM 529 CONCRETE CURB, GUTTER, AND COMBINED CURB AND GUTTER (360)
(420)(421)(440)
- ITEM 530 INTERSECTIONS, DRIVEWAYS, AND TURNOUTS (110)(132)(247)
(260)(263)(275)(276)(292)(316)(330)(334)(340)(360)(421)
(440)
- ITEM 540 METAL BEAM GUARD FENCE (421)(441)(445)(529)(542)(544)
- ITEM 544 GUARDRAIL END TREATMENTS
- ITEM 545 CRASH CUSHION ATTENUATORS (421)
- ITEM 560 MAILBOX ASSEMBLIES
- ITEM 644 SMALL ROADSIDE SIGN SUPPORTS AND ASSEMBLIES (421)(440)
(441)(442)(445)(634)(636)(643)(656)
- ITEM 658 DELINEATOR AND OBJECT MARKER ASSEMBLIES (445)
- ITEM 662 WORK ZONE PAVEMENT MARKINGS (666)(668)(672)(677)
- ITEM 666 REFLECTORIZED PAVEMENT MARKINGS (316)(318)(662)(677)(678)
- ITEM 668 PREFABRICATED PAVEMENT MARKINGS
- ITEM 672 RAISED PAVEMENT MARKERS (677)(678)
- ITEM 678 PAVEMENT SURFACE PREPARATION FOR MARKINGS (677)

SPECIAL PROVISIONS: SPECIAL PROVISIONS WILL GOVERN AND TAKE
 ----- PRECEDENCE OVER THE SPECIFICATIONS ENUMERATED
 HEREON WHEREVER IN CONFLICT THEREWITH.

REQUIRED CONTRACT PROVISIONS, FEDERAL-AID CONSTRUCTION CONTRACTS
 (FORM FHWA 1273, MAY, 2012)

WAGE RATES

- SPECIAL PROVISION "NOTICE TO ALL BIDDERS" (000---003)
- SPECIAL PROVISION "NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO
ENSURE EQUAL EMPLOYMENT OPPORTUNITY" (000---004)
- SPECIAL PROVISION "STANDARD FEDERAL EQUAL EMPLOYMENT OPPORTUNITY
CONSTRUCTION CONTRACT SPECIFICATIONS" (000---006)
- SPECIAL PROVISION "CERTIFICATION OF NONDISCRIMINATION IN EMPLOYMENT"
(000---009)
- SPECIAL PROVISION "DEPARTMENT DIVISION MAILING AND PHYSICAL ADDRESS"
(000---011)
- SPECIAL PROVISION "NOTICE OF CHANGES TO U.S. DEPARTMENT OF LABOR
REQUIRED PAYROLL INFORMATION" (000--1483)
- SPECIAL PROVISION "ON-THE-JOB TRAINING PROGRAM" (000--1676)
- SPECIAL PROVISION "DISADVANTAGED BUSINESS ENTERPRISE IN FEDERAL AID
CONTRACTS" (000--1966)
- SPECIAL PROVISION "PARTNERING" (000--2329)
- SPECIAL PROVISION "SCHEDULE OF LIQUIDATED DAMAGES" (000--2332)

SPECIAL PROVISION "NONDISCRIMINATION" (000--2607)
 SPECIAL PROVISION "IMPORTANT NOTICE TO CONTRACTORS" (000--2699)
 SPECIAL PROVISION TO ITEM 1 (001---015)
 SPECIAL PROVISION TO ITEM 2 (002---017)
 SPECIAL PROVISIONS TO ITEM 3 (003---015)(003---033)
 SPECIAL PROVISION TO ITEM 4 (004---017)
 SPECIAL PROVISION TO ITEM 5 (005---004)
 SPECIAL PROVISIONS TO ITEM 6 (006---030)(006---047)
 SPECIAL PROVISION TO ITEM 7 (007---918)
 SPECIAL PROVISIONS TO ITEM 8 (008---063)(008---119)
 SPECIAL PROVISIONS TO ITEM 9 (009---009)(009---015)
 SPECIAL PROVISION TO ITEM 100 (100---002)
 SPECIAL PROVISION TO ITEM 161 (161---006)
 SPECIAL PROVISION TO ITEM 164 (164---004)
 SPECIAL PROVISION TO ITEM 166 (166---001)
 SPECIAL PROVISION TO ITEM 169 (169---002)
 SPECIAL PROVISION TO ITEM 247 (247---044)
 SPECIAL PROVISION TO ITEM 260 (260---003)
 SPECIAL PROVISION TO ITEM 265 (265---003)
 SPECIAL PROVISION TO ITEM 275 (275---003)
 SPECIAL PROVISIONS TO ITEM 300 (300---016)(300---039)
 SPECIAL PROVISION TO ITEM 302 (302---010)
 SPECIAL PROVISION TO ITEM 316 (316---016)
 SPECIAL PROVISION TO ITEM 318 (318---010)
 SPECIAL PROVISION TO ITEM 330 (330---001)
 SPECIAL PROVISION TO ITEM 340 (340---003)
 SPECIAL PROVISION TO ITEM 360 (360---003)
 SPECIAL PROVISION TO ITEM 420 (420---002)
 SPECIAL PROVISION TO ITEM 421 (421---035)
 SPECIAL PROVISION TO ITEM 424 (424---003)
 SPECIAL PROVISION TO ITEM 425 (425---001)
 SPECIAL PROVISION TO ITEM 434 (434---003)
 SPECIAL PROVISION TO ITEM 440 (440---006)
 SPECIAL PROVISION TO ITEM 441 (441---007)
 SPECIAL PROVISION TO ITEM 442 (442---016)
 SPECIAL PROVISION TO ITEM 448 (448---002)
 SPECIAL PROVISION TO ITEM 450 (450---001)
 SPECIAL PROVISION TO ITEM 454 (454---003)
 SPECIAL PROVISION TO ITEM 462 (462---015)
 SPECIAL PROVISION TO ITEM 464 (464---006)
 SPECIAL PROVISION TO ITEM 467 (467---001)
 SPECIAL PROVISION TO ITEM 500 (500---011)
 SPECIAL PROVISION TO ITEM 502 (502---033)
 SPECIAL PROVISION TO ITEM 512 (512---002)
 SPECIAL PROVISION TO ITEM 530 (530---006)
 SPECIAL PROVISION TO ITEM 540 (540---031)
 SPECIAL PROVISION TO ITEM 544 (544---001)
 SPECIAL PROVISION TO ITEM 560 (560---001)
 SPECIAL PROVISION TO ITEM 636 (636---014)
 SPECIAL PROVISION TO ITEM 643 (643---001)
 SPECIAL PROVISION TO ITEM 672 (672---034)
 SPECIAL PROVISION TO SPECIAL SPECIFICATION ITEM 1122 (1122--001)
 SPECIAL PROVISION TO SPECIAL SPECIFICATION ITEM 6986 (6986--007)

SPECIAL SPECIFICATIONS:

- ITEM 1122 TEMPORARY EROSION, SEDIMENTATION, AND ENVIRONMENTAL CONTROLS (161)(204)(432)(556)
- ITEM 2012 QUALITY COMPACTION USING INTELLIGENT COMPACTION ROLLERS (110)(132)(216)(247)(251)(260)(263)(265)(275)(276)
- ITEM 6986 LONGITUDINAL PREFABRICATED PAVEMENT MARKINGS (PPM) WITH WARRANTY (677)(8094)
- ITEM 8094 MOBILE RETROREFLECTIVITY DATA COLLECTION FOR PAVEMENT MARKINGS

GENERAL: THE ABOVE-LISTED SPECIFICATION ITEMS ARE THOSE UNDER WHICH
----- PAYMENT IS TO BE MADE. THESE, TOGETHER WITH SUCH OTHER
PERTINENT ITEMS, IF ANY, AS MAY BE REFERRED TO IN THE ABOVE-
LISTED SPECIFICATION ITEMS, AND INCLUDING THE SPECIAL
PROVISIONS LISTED ABOVE, CONSTITUTE THE COMPLETE SPECIFI-
CATIONS FOR THIS PROJECT.

SPECIAL PROVISION

000--2699

Important Notice to Contractors

By the 10th day of each month, report to the Engineer the number of incidents and injuries that occurred on the project the previous month. Report:

- the total number of incidents and injuries for the Contractor and all subcontractors, and
- the number of incidents and injuries that include a third party.

An “incident” is defined as any work-related occurrence that had the potential to cause bodily harm but caused only damage to vehicles, equipment, materials, etc.

An “injury” is defined as an OSHA recordable injury. This is an injury or illness that results in any of the following: death, days away from work, restricted work or transfer to another job, medical treatment beyond first aid, or loss of consciousness. You must also consider a case to meet the general recording criteria if it involves a significant injury or illness diagnosed by a physician or other licensed health care professional, even if it does not result in death, days away from work, restricted work or job transfer, medical treatment beyond first aid, or loss of consciousness.

The Engineer will approve the form and method used for this reporting. Noncompliance with this requirement will result in the Department taking actions including but not limited to withholding estimates and suspending the work. This reporting will not be paid for directly but will be considered subsidiary to Items of the Contract.

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