NOTIFICATION OF ADDENDUM

ADDENDUM NO. 2

DATED 2/29/2008

Control	**0276-01-033, ETC.**
Project	**CBI 2008(184)**
Highway	**US 57**
County	**MAVERICK, ETC.**

Ladies/Gentlemen:

Attached please find an addendum on the above captioned project. Included in the attachment is an adendum 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.

04/99

SUBJECT: PLANS AND PROPOSAL ADDENDUMS
PROJECT: CBI 2008(184) CONTROL: 0276-01-033
COUNTY: MAVERICK
LETTING: 03/04/2008
REFERENCE NO: 0229

PROPOSAL ADDENDUMS

_ PROPOSAL COVER
X BID INSERTS (SH. NO.: 2, 3, AND 4 OF 7)
X GENERAL NOTES (SH. NO.: J P AND T OF T (T IS A NEW SHEET))
X SPEC LIST (SH. NO.: 3 OF 3)
X SPECIAL PROVISIONS:
ADDED: 512---001

DELETED:

_ SPECIAL SPECIFICATIONS:
ADDED:

DELETED:

X OTHER: SEE CHANGES BELOW.

DESCRIPTION OF ABOVE CHANGES
(INCLUDING PLANS SHEET CHANGES)

PROPOSAL:
****

BID INSERTS -

REVISED QUANTITIES FOR ITEMS 432-2040, 452-2008, 540-2001, 540-2005, 542-2001, 542-2002, AND 544-2006; DELETED ITEMS 432-2001, 452-2001, AND 540-2006; ADDED ITEMS 432-2002, 467-2364, 512-2049, 512-2050, 512-2051, AND 540-2011.

GENERAL NOTES -

ON SPEC DATA SHEET "J", ADDED NOTES TO ITEM 247.

ON SPEC DATA SHEET "P", ADDED ITEM AND NOTES FOR ITEM 512, PORTABLE CONCRETE TRAFFIC BARRIER.

SPEC LIST -

ADDED SP 512-001.

DESCRIPTION OF ABOVE CHANGES (CONTINUED)
(INCLUDING PLANS SHEET CHANGES)

PLANS:
*****
PLAN SHEET 2 (INDEX OF SHEETS) -
REVISED SHEET 126 FROM RACR TO RAC-R(MOD); ADDED SHEETS 41A, 63A, 63B, AND 129A THRU 129F.

PLAN SHEETS 12 THRU 20 (PROPOSED TYPICAL SECTIONS) -
REVISED TYPICAL SECTIONS TO SHOW A CROSS-SLOPE OF VARIES; REVISED DETAIL - 2 TO INDICATE THE BASE TO BE PLACED IN TWO 9" LIFTS.

PLAN SHEET 21D (GENERAL NOTES) -
ON SPEC DATA SHEET "J", ADDED NOTES TO ITEM 247; TEXT SHIFTED FROM PAGE TO PAGE DUE TO ADDITION OF NOTES.

PLAN SHEETS 21E AND 21F (GENERAL NOTES) -
TEXT SHIFTED FROM PAGE TO PAGE DUE TO ADDITION OF NOTES.

PLAN SHEET 21G (GENERAL NOTES) -
ON SPEC DATA SHEET "P", ADDED ITEM AND NOTES FOR ITEM 512, PORTABLE CONCRETE TRAFFIC BARRIER; TEXT SHIFTED FROM PAGE TO PAGE DUE TO ADDITON OF NOTES.

PLAN SHEETS 21H AND 21I (GENERAL NOTES) -
TEXT SHIFTED FROM PAGE TO PAGE; SPEC DATA SHEET T IS A NEW SHEET CAUSED BY THE SHIFTING OF TEXT.

PLAN SHEET 22 (ESTIMATE & QUANTITY SHEET) -
REVISED SHEET IN ACCORDANCE WITH CHANGES INDICATED IN BID INSERTS; TEXT SHIFTED FROM PAGE TO PAGE DUE TO ADDITIONS AND DELETIONS.

PLAN SHEET 22A (ESTIMATE & QUANTITY SHEET) -
TEXT SHIFTED FROM PAGE TO PAGE DUE TO ADDITIONS AND DELETIONS.

PLAN SHEET 24 (SUMMARY OF TCP QUANTITIES) -
REVISED SHEET ADDING COLUMNS FOR ITEMS 512-2049, 512-2050, AND 512-2051.

PLAN SHEET 25 (SUMMARY OF ROADWAY QUANTITIES) -
REVISED PLAN SHEET ADDING, DELETING AND REVISING QUANTITIES FOR VARIOUS ITEMS.

PLAN SHEET 28 (SUMMARY OF PAVEMENT MARKINGS) -
THE QUANTITY FOR ITEM 666-2132 WAS REVISED.

PLAN SHEET 39 (TRAFFIC CONTROL NARRATIVE) -
REVISED NOTE 12 UNDER CONSTRUCTION.

PLAN SHEET 41A (TRAFFIC CONTROL PLAN BRIDGE RAIL REMOVAL/REPLACEMENT) -
ADDED SHEET TO PLANS.

PLAN SHEETS 63A AND 63B (CSB (1-2)-04) -
ADDED SHEETS TO PLANS.

PLAN SHEETS 92, 99, AND 112 (US 57 PLAN LAYOUT) -
DESCRIPTION OF ABOVE CHANGES (CONTINUED)
(INCLUDING PLANS SHEET CHANGES)

REMOVED MBGF CALLOUTS AND ARROWS; ADDED NEW REFERENCE NOTE.

PLAN SHEETS 114A THRU 114C (STRUCTURE LAYOUT) -
ADDED SHEETS TO PLANS PROVIDING NEW LAYOUTS FOR RAIL/MBGF WORK.

PLAN SHEET 115 (MISC. PAVING DETAILS) -
OMITTED SHEET FROM PLANS.

PLAN SHEET 126 (RAC-R) -
REPLACED SHEET WITH SHEET RAC-R (MOD).

PLAN SHEET 129A (BCS) -
ADDED NEW STANDARD SHEET FOR STRUCTURE WORK.

PLAN SHEETS 129B THRU 129D (SETB-FW-O) -
ADDED NEW STANDARD SHEETS FOR STRUCTURE WORK.

PLAN SHEET 129E (ECD) -
ADDED NEW STANDARD SHEET FOR STRUCTURE WORK.

PLAN SHEET 129F (BED-03) -
ADDED NEW STANDARD SHEET FOR STRUCURE WORK.

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 DOLLARS and CENTS	STA	1,653.000	1
	105	2049		REMOVING STAB BASE & ASPH PAV (4"-22") DOLLARS and CENTS	SY	92,497.300	2
	110	2001		EXCAVATION (ROADWAY) DOLLARS and CENTS	CY	53,788.000	3
	132	2003		EMBANKMENT (FINAL)(ORD COMP)(TY B) DOLLARS and CENTS	CY	38,954.000	4
	164	2033	002	DRILL SEEDING (PERM) (RURAL) (SANDY) DOLLARS and CENTS	SY	487,360.000	5
	164	2045	002	STRAW OR HAY MULCHING DOLLARS and CENTS	SY	487,360.000	6
	164	2047	002	STRAW/HAY MLCH SEED(TEMP)(WARM) DOLLARS and CENTS	SY	243,680.000	7
	164	2049	002	STRAW/HAY MLCH SEED(TEMP)(COOL) DOLLARS and CENTS	SY	243,680.000	8
	169	2004		SOIL RETENTION BLANKETS (CL 1) (TY D) DOLLARS and CENTS	SY	18.000	9
	247	2044	020	FL BS (CMP IN PLC)(TY A GR 4)(FNAL POS) DOLLARS and CENTS	CY	71,902.000	10
	310	2001		PRIME COAT (MC-30) DOLLARS and CENTS	GAL	28,763.000	11

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	316	2248		AGGR(TY-PE GR-4 SAC-B) DOLLARS and CENTS	CY	10,264.000	12
	316	2403		ASPH (AC-15P, HFRS-2P, OR CRS-2P) DOLLARS and CENTS	GAL	307,980.000	13
	432	2002		RIPRAP (CONC)(5 IN) DOLLARS and CENTS	CY	59.450	14
	432	2040		RIPRAP (MOW STRIP)(5 IN) DOLLARS and CENTS	CY	118.000	15
	450	2007		RAIL (TY T501) DOLLARS and CENTS	LF	144.000	16
	452	2008		REMOV RAIL (CTB) DOLLARS and CENTS	LF	280.000	17
	460	2003		CMP (GAL STL 18 IN) DOLLARS and CENTS	LF	339.000	18
	467	2301		SET (TY II)(18 IN)(CMP)(6:1)(P) DOLLARS and CENTS	EA	28.000	19
	467	2364		SET (TY I)(S=8 FT)(HW=4 FT)(4:1)(C) DOLLARS and CENTS	EA	10.000	20
	480	2001		CLEAN EXIST CULVS DOLLARS and CENTS	EA	14.000	21
	496	2004		REMOV STR (SET) DOLLARS and CENTS	EA	28.000	22

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	496	2051		REMOV STR (DRIVEWAY CULVERT) DOLLARS and CENTS	EA	14.000	23
	500	2001	004	MOBILIZATION DOLLARS and CENTS	LS	1.000	24
	502	2001	033	BARRICADES, SIGNS AND TRAFFIC HAN-DLING DOLLARS and CENTS	MO	12.000	25
	506	2004	010	ROCK FILTER DAMS (INSTALL) (TY 4) DOLLARS and CENTS	LF	1,221.000	26
	506	2009	010	ROCK FILTER DAMS (REMOVE) DOLLARS and CENTS	LF	1,221.000	27
	506	2016	010	CONSTRUCTION EXITS (INSTALL) (TY 1) DOLLARS and CENTS	SY	2,990.000	28
	506	2019	010	CONSTRUCTION EXITS (REMOVE) DOLLARS and CENTS	SY	2,990.000	29
	506	2026	010	FRNT END LOADER WORK (ERSN & SEDM CONT) DOLLARS and CENTS	HR	365.000	30
	506	2034	010	TEMPORARY SEDIMENT CONTROL FENCE DOLLARS and CENTS	LF	82,178.000	31
	512	2049	001	PORT CTB (DES SOURCE)(F-SHAPE)(TY 1) DOLLARS and CENTS	LF	900.000	32

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	512	2050	001	PORT CTB (MOVE)(F-SHAPE)(TY 1) DOLLARS and CENTS	LF	840.000	33
	512	2051	001	PORT CTB (STOCKPILE)(F-SHAPE)(TY 1) DOLLARS and CENTS	LF	900.000	34
	530	2012		DRIVEWAYS (SURF TREAT) DOLLARS and CENTS	SY	5,740.800	35
	540	2001		MTL W-BEAM GD FEN (TIM POST) DOLLARS and CENTS	LF	900.000	36
	540	2005		TERMINAL ANCHOR SECTION DOLLARS and CENTS	EA	4.000	37
	540	2011		MTL BEAM GD FEN TRANS (THRIE-BEAM) DOLLARS and CENTS	EA	8.000	38
	542	2001		REMOVING METAL BEAM GUARD FENCE DOLLARS and CENTS	LF	1,200.000	39
	542	2002		REMOVING TERMINAL ANCHOR SECTION DOLLARS and CENTS	EA	12.000	40
	544	2006		GDRAIL END TRT(INST)(WOOD POST)(TY III) DOLLARS and CENTS	EA	4.000	41
	560	2010	001	MAILBOX INSTALL-S (TWG-POST) TY 1 FND DOLLARS and CENTS	EA	2.000	42
	560	2013	001	MAILBOX INSTALL-D (TWG-POST) TY 2 FND DOLLARS and CENTS	EA	3.000	43

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	636	2007		REPLACE EXISTING ALUMINUM SIGNS (TY A) DOLLARS and CENTS	SF	14.730	44
	644	2001		INS SM RD SN SUP&AM TY 10BWG(1) SA(P) DOLLARS and CENTS	EA	30.000	45
	644	2025		INS SM RD SN SUP&AM TY S80(1) SA(T) DOLLARS and CENTS	EA	27.000	46
	644	2060		REMOVE SM RD SN SUP & AM DOLLARS and CENTS	EA	20.000	47
	658	2240		INSTL DEL ASSM (D-SW)SZ 1(FLX)GF2 DOLLARS and CENTS	EA	4.000	48
	658	2261		INSTL DEL ASSM (D-SW)SZ (TYC)GF1(BI) DOLLARS and CENTS	EA	75.000	49
	658	2328		REMOVE DELIN & OBJECT MARKERS ASSMS DOLLARS and CENTS	EA	59.000	50
	658	2330		INSTL DEL ASSM (D-SW)SZ 1(FLX)GND(BI) DOLLARS and CENTS	EA	2.000	51
	658	2334		INSTL OM ASSM (OM-2Z)(RCR)GND DOLLARS and CENTS	EA	15.000	52
	662	2001		WK ZN PAV MRK NON-REMOV (W) 4" (BRK) DOLLARS and CENTS	LF	79,500.000	53

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	662	2004		WK ZN PAV MRK NON-REMOV (W) 4" (SLD) DOLLARS and CENTS	LF	192,600.000	54
	662	2032		WK ZN PAV MRK NON-REMOV (Y) 4" (SLD) DOLLARS and CENTS	LF	196,600.000	55
	662	2067		WK ZN PAV MRK REMOV (W) 4" (SLD) DOLLARS and CENTS	LF	204,200.000	56
	662	2099		WK ZN PAV MRK REMOV (Y) 4" (SLD) DOLLARS and CENTS	LF	204,200.000	57
	662	2113		WK ZN PAV MRK SHT TERM (TAB) TY W DOLLARS and CENTS	EA	7,211.000	58
	662	2115		WK ZN PAV MRK SHT TERM (TAB) TY Y-2 DOLLARS and CENTS	EA	10,210.000	59
	666	2003		REFL PAV MRK TY I (W) 4" (BRK)(100MIL) DOLLARS and CENTS	LF	19,825.000	60
	666	2006		REFL PAV MRK TY I (W) 4" (DOT)(100MIL) DOLLARS and CENTS	LF	1,386.000	61
	666	2012		REFL PAV MRK TY I (W) 4" (SLD)(100MIL) DOLLARS and CENTS	LF	299,988.000	62
	666	2036		REFL PAV MRK TY I (W) 8" (SLD)(100MIL) DOLLARS and CENTS	LF	160.000	63
	666	2054		REFL PAV MRK TY I (W) (ARROW) (100MIL) DOLLARS and CENTS	EA	1.000	64

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	666	2096		REFL PAV MRK TY I (W) (WORD) (100MIL) DOLLARS and CENTS	EA	1.000	65
	666	2105		REFL PAV MRK TY I (Y) 4" (BRK)(100MIL) DOLLARS and CENTS	LF	16,208.000	66
	666	2111		REFL PAV MRK TY I (Y) 4" (SLD)(100MIL) DOLLARS and CENTS	LF	128,475.000	67
	666	2132		REFL PAV MRK TY I (Y) 24"(SLD)(100MIL) DOLLARS and CENTS	LF	110.000	68
	666	2141		REFL PAV MRK TY I (Y)(MED NOSE)(100MIL) DOLLARS and CENTS	EA	1.000	69
	666	2269		REFL PAV MRK TY I (W)(LNDP ARW)(100MIL) DOLLARS and CENTS	EA	20.000	70
	672	2012		REFL PAV MRKR TY I-C DOLLARS and CENTS	EA	1,008.000	71
	672	2015		REFL PAV MRKR TY II-A-A DOLLARS and CENTS	EA	3,155.000	72
	677	2001		ELIM EXT PAV MRK & MRKS (4") DOLLARS and CENTS	LF	398,100.000	73
	730	2002		FULL-WIDTH MOWING DOLLARS and CENTS	AC	100.000	74
	734	2002		LITTER REMOVAL DOLLARS and CENTS	CYC	12.000	75

GENERAL

Surface Treatment Data

Description	1st Crse (widening)	2nd Crse (entire width/proj)
Area	143,774.50 SY	882,844.50 SY
Asph--Type	Asph (AC-15P, HFRS-2P, or CRS-2P)	Asph (AC-15P, HFRS-2P, or CRS-2P)
Asph--Rate(Gal/SY)	0.3 Gal/SY = 43,132.35 Gal	0.3 Gal/SY = 264,853.35 Gal
Aggr--Type/GR	Ty-PE/GR 4	Ty-PE/GR 4
Aggr--Rate(CY/SY)	1 CY/100 SY = 1,437.75 CY	1 CY/100 SY = 8,828.45 CY

Prime Coat (Widening) (MC-30) (0.2 Gal/SY = 28,763 Gal) (Area = 143, 774.50 SY)

GENERAL REQUIREMENTS AND COVENANTS - ITEM 1 THRU 9

Possible presence of underground utilities on the right of way on this project requires attention. It is the responsibility of the Contractor to locate all existing utilities prior to commencement of work. Call for location of utilities 48 hours in advance of excavation or drilling operations.

Verify the approximate location of utilities, either underground or overhead, shown within the right-of-way and/or the project cross-sections before beginning construction operations. The location of utilities, either underground or overhead, shown within the right-of-way and/or the project cross-sections are approximate. The “1-800 call services” for utility locations do not include TxDOT/county/city facilities. Contact the Laredo District Signal Section (956-712-7770) for coordination with TxDOT underground lines and/or facilities.

Locate all manholes and valves within the construction area of the project. Each manhole and valve will be identified by its owner and station and offset. No road work may begin until this list has been submitted to the Engineer.

All sawcut work will not be paid for directly, but will be considered subsidiary to the various bid items.

EXISTING NATURAL GAS PIPELINE

Most existing natural gas pipelines that will no longer be in service are usually abandoned-in-place. If a gas pipe has to be removed, wrapped steel gas pipelines will be assumed to contain asbestos, unless analytical testing of the wrap material determines that the wrap material contains less than 1% asbestos, as determined using the Polarized Light Microscopy (PLM) Method. Observe and comply with all federal,

state and local laws, ordinances and regulations regarding the management of asbestos containing materials. At a minimum, the following procedure will be used whenever an existing wrapped steel gas pipe has to be removed (for whatever reason) during construction operations.

1. Notify the Engineer.

2. As soon as the pipe is removed, cover and secure the ends of the pipe with a double layer of 6 mil plastic, then move it to a secure temporary storage site (approved by the Engineer) within the project limits. Care will be taken to avoid damage to the plastic and if damaged, replace before further handling of the pipe. If the wrapping of the pipe is damaged, the entire pipe will be covered with plastic.

3. The Engineer will determine the owner (utility company) of the gas line to coordinate removal of the pipe from the project. If the owner of the gas pipe cannot be determined, the Engineer will make arrangements to transport the pipe off the project. The Contractor will not be responsible for removing the pipe from the project.

4. The removal of the steel gas pipe from the trench is subsidiary to the work that created the need to remove the pipe (structural excavation, roadway excavation, removal and replacement of the pipe, etc). The work performed in handling the pipe after it has been removed (covering with plastic, hauling to a secure storage within the project, and loading onto the transportation vehicle for removal from the project) will be paid for through the extra work order process.

Remove all existing raised pavement markings as the work progresses and dispose from the project site in a manner approved by the Engineer. Consider this work subsidiary to the various bid items and do not pay for it separately.

Any materials removed and not reused on the project and determined to be salvageable by the Engineer, will be retained by the owner and will be stored within the project limits at an approved secure location or delivered undamaged to the salvage/storage yard as directed by the Engineer. Materials that are not determined to be salvageable by the Engineer will become the property of the Contractor for proper management in accordance with local, state and/or federal requirements at their expense. Traffic signs must be defaced in such a manner that they will not reappear in public as signs.

Place the existing topsoil and grass in windrows along the edge of the grading operations or as directed/approved by the Engineer. Spread the topsoil and grass uniformly on all slopes and ditches after grading operations are completed. This work will not be paid for directly, but will be subsidiary to the various bid items.

Remove materials larger than 4 inches in size within the construction limits and not incorporated into the roadway construction from the right of way and dispose of it in a proper manner acceptable to the Engineer. This work will not be paid for directly, but will be subsidiary to the various bid items.

In instances where fixed features require, the cross section slopes may be varied to the extent determined/approved by the Engineer.

Maintain the right of way free of trash, construction debris and surplus materials as determined/approved by the Engineer.

Upon completion of work on each roadway project, thoroughly clean all construction materials, sweep all excess rock, and restore all stockpile delivery sites to natural conditions or satisfactory of the Engineer prior to the final acceptance before removing barricades from the project.

When working near aerial electrical lines and/or utility poles, provide adequate safety measures as needed to comply with the appropriate sections of Federal and State regulations. For electrical lines and poles shown in the plans, if the lines need to be de-energized and/or if poles need to be braced, contact the electrical company to coordinate the de-energizing and bracing. Work pertaining to de-energizing lines, bracing poles and any other protective measures required will be at the Contractor's expense.

For all pits or quarries, comply with the "Texas Aggregate Quarry and Pit Safety Act."

ITEM 2 - INSTRUCTION TO BIDDERS:

Direct attention to the first paragraph of Article 2.5 of the Standard Specifications. In view of the complex nature of the work, the need for close coordination with various utilities, traffic control considerations, and other factors influence the prosecution of the work.

ITEM 5 - CONTROL OF THE WORK:

The contractor is reminded of the fact that care should be exercised when working in close proximity of the existing Survey Control monuments laid out on these projects, which include TxDOT Aluminum Disks, "Benchmarks" on project site. Should these "Benchmarks" be carelessly disturbed, the cost of $300 per "Benchmark" will be assessed to the contractor's monthly estimate as a "NEGATIVE" estimate and will be reduced from the contractor's estimate. This amount is to cover the cost for the re-setting of the disturbed "Benchmark" by a Registered Professional Land Surveyor at the State's discretion.

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 additional to, or instead of, the diskette are requested, they will be available at the Engineers office for borrowing by copying companies for the purpose of making copies for the bidder at the bidders expense.

Reference all existing striping and pavement markings in a manner which allow the markings to be re-established. Place extra reference (if needed) to ensure that the markings (lane lines, edge lines, ramp gores, etc.) are in-line with signs on OSB's, TMS arrows, etc.

Submit to the area office, as a minimum, in order to facilitate the required review and approval process of forming details and erection drawings for major structures (in addition to the requirements of Item 5), the following documents: appropriate spacing and size of all proposed members/components; supporting calculations; and copies of the manufacturer's recommended spacing charts and safe working loads for brackets, joists, hangers, etc.

ITEM 7- LEGAL RELATIONS AND RESPONSIBILITIES:

404 Permit Requirements:

The Contractor will note that discharge of permanent or temporary fill material into the waters of the United States (U.S.), including jurisdictional wetlands, as necessary for construction, will require specific approval of the U.S. Army Corps of Engineers (USACE) under section 404 of the clean water act.

TxDOT will obtain the appropriate nationwide or individual permit (s) when necessary as dictated by project specific conditions and the potential to affect USACE jurisdictional areas to address the work detailed in the plans. The Contractor may review the permitted plans at the office of the Area Engineer in charge of construction. TxDOT will hold the Contractor responsible for following all conditions of the approved permit. If the Contractor cannot work within the limits or scope of this permit (s), then it becomes the Contractor's entire responsibility to consult with the USACE on the need for changes or amendments to the conditions of the existing permit (s) as originally obtained by TxDOT. However, the Contractor may request TxDOT to assist in this process by providing complete and specific revised details for TxDOT review and submittal to the USACE. For off Project right of way coordination, the Contractor or his agent will handle all activities directly with the USACE.

It is essential that any impacts to USACE jurisdictional waters of the U.S., including jurisdictional wetlands, be the minimum necessary to complete the proposed work. If the contractor needs further explanation of the conditions of the permit, including means of compliance, they may contact the Laredo District Environmental Coordinator.

Project Specific Locations (PSL's) Coordination

The contractor will not initiate activities in a project specific location (PSL) associated with a U.S. Army Corps of Engineers (USACE) permit area that has not been previously evaluated by the USACE as part of the permitting for this project. Such activities include, but are not limited to, haul roads, equipment staging areas, borrow and disposal sites. Associated defined here includes materials delivered to or from the PSL. The permit area includes all waters of the U.S. and their associated wetlands affected by activities associated with this project. Special restrictions may be required for such work. The contractor will be responsible for any and all consultations with the USACE regarding activities, including PSLs, which have not been previously evaluated by the USACE. The Contractor will provide the department with a copy of all consultation(s) or approval(s) from the USACE prior to initiating activities.

The contractor may proceed with activities in PSLs that do not affect a USACE permit area if a self determination has been made that the PSL is non-jurisdictional or proper USACE clearances have been obtained in jurisdictional areas or have been previously evaluated by the USACE as part of the permit review of this project. The contractor is solely responsible for documenting any determination(s) that their activities do not affect a USACE permit area. The contractor will maintain copies of their determination(s) for review by the department or any regulatory agency.

The disturbed area for all project locations in the Contract, and the Contractor project specific locations (PSLs) within 1 mile of the project limits for the Contract, 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. 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 Notice of Intent (NOI) for the PSLs to the Engineer and to the local government operating a municipal separate storm sewer system (MS4) if applicable.

In order to expedite the approval process for PSL's or to eliminate or minimize potential impacts to project progress, initiate coordination efforts with the U.S.A.C.E. **within 30 days from the date of "authorization to begin work".** If this is not done, the contractor waives the right to request any contract time considerations if project progress is impacted and PSL'S approval is still pending.

Requests submitted to the area engineer will be evaluated on this basis, and will require documentation showing substantial early coordination efforts to expedite the approval process as herein stated. The request will include a detailed chronological summary status with dates of coordination activities with the resource agencies, including those

occurring after the initial coordination, to be reviewed and confirmed by the district's environmental section.

The Contractor must document and coordinate with the USACE, if required, before any excavation hauled from or embankment hauled into a USACE permit area by either (1) or (2) below.

(1) Restricted Use of Materials for the Previously Evaluated Permit Areas. The Contractor will document both the project specific location (PSL) and their authorization. The Contractor will maintain copies for review by the Department or any regulatory agency. When an area within the project limits has been evaluated by the USACE as part of the permit process for this project:

a. Suitable excavation of required material in the areas shown on the plans and cross sections as specified in Item 110 is used for permanent or temporary fill (Item 132, Embankment) within a USACE permit area;
b. Suitable embankment (Item 132) from within the USACE permit area is used as fill within a USACE evaluated area; and,
c. Unsuitable excavation or excess excavation ["Waste"] (Item 110) that is disposed of at an approved location within a USACE evaluated area.

(2) Contractor Materials from Areas Other than Previously Evaluated Areas. The Contractor will provide the Department with a copy of all USACE coordination or approvals before initiating any activities for an area within the project limits that has not been evaluated by the USACE or for any off right of way locations used for the following, but not limited to, haul roads, equipment staging areas, borrow and disposal sites:

a. Item 132, Embankment, used for temporary or permanent fill within a USACE permit area; and,
b. Unsuitable excavation or excess excavation ["Waste"] (Item 110, Excavation) that is disposed of outside a USACE evaluated area.

The total area disturbed for this project is 100.7 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, for the Contract 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. 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 municipal separate storm sewer system (MS4) if applicable.

This project required formal consultation, permits, or both with environmental resource agencies. Environmentally sensitive areas will most likely be encountered on Contractor designated PSLs for this project.

Responsible for (off ROW) PSLs applicable to CGP requirements and will notify the Engineer of the disturbed acreage within one (1) mile of the project limits. Obtain any required authorization from the TCEQ for any Contractor PSLs for construction support activities on or off ROW.

This project requires permit(s) with environmental resource agencies. There is a high probability that environmentally sensitive areas will be encountered on contractor designated project specific locations (PSLS) for the project (haul roads, equipment staging areas, parking areas, etc.).

The department has been authorized to perform work within designated areas of the project under U.S. Army Corps of Engineers (USACE) nationwide permit (NWP) #14.

Note - Other NWP that TxDOT utilizes include NWP # 3a, NWP #3b (Maintenance of existing structures) check the EPIC Sheet for the appropriate permit if needed.

Upon completion of all work provided for in the contract for any individual project, the Engineer will make an inspection. If it is found to be satisfactory, the Contractor will be released from further maintenance on that individual project. Such partial acceptance will be made in writing and will in no way void or alter any terms of the contract.

ITEM 8 – PROSECUTION AND PROGRESS:

Where road closures or detours around structures are necessary to accomplish proposed work, the removal of existing structures and/or cutting of existing pavement will not be permitted until all pre-cast members for the proposed structure have been cast, tested and approved for use.

Primavera Project Planner or Suretrack computer software is required for the progress schedule.

The number of working days allowed to complete this project and interim milestones, if any, were calculated using a conceptual time determination schedule that assumes generic resources, production rates and sequences of construction. The time determination schedule also assumes average weather conditions based on historic data for the Laredo District. The Engineer will supply bidders upon written request one electronic copy of the time determination schedule compatible with Primavera Project Planner software.

The determination schedule is provided for informational use only and is not intended for bidding or construction purposes. If the bidder utilizes the schedule for bidding or construction purposes, the bidder accepts the schedule and assumes the responsibility for verifying all aspects of the schedule. The department will not adjust the number of working days for the project and milestones, if any, due to differences in opinion regarding any assumptions made in the preparation of the schedule or for errors, omissions or discrepancies found in the time determination schedule.

As per the special provision to this item, working day charges will begin 60 calendar days after the date of the written authorization to begin work, or the first day of construction activity if work is initiated within the 60 day period.

ITEM 100 - PREPARING RIGHT OF WAY:

Burning of brush will not be permitted.

Removal of objectionable material from the right of way may be required by hand.

Do not begin any clearing operations until the trees and areas of vegetation that should not be removed or disturbed by construction activities have been established. To ensure that these areas are not disturbed, place protection fencing as shown in the plans or as directed/approved by the Engineer.

All right of way clearing operations will be coordinated with the project's SW3P and as directed/approved by the Engineer.

Trim and remove brush and trees in order to construct the project or to provide a horizontal clearance of approximately 2 feet inside the right of way line and a vertical clearance of at least 12 feet. For this operation, no vertical flailing equipment shall be allowed and the method used will be approved by the Engineer.

ITEM 132 - EMBANKMENT:

Preliminary testing requires approximately 15 days. Advise the Engineer of the location of the source sufficiently in advance in order to avoid delays.

ITEM 160 – TOPSOIL

Existing topsoil will be windrowed or stockpiled (as approved) for later use under this Item. Place erosion control measures for the stockpile and/or windrow.

ITEM 164 – SEEDING FOR EROSION CONTROL:

Ryegrass will not be permitted for temporary cover.

For drill seeding permanent warm season grasses, the seed drill will need to be capable of properly storing and metering the release of small seeds (such as Bermuda grass) separately from fluffy type seeds (such as Bluestem). Drills manufactured for planting standard grain crops will not be acceptable.

Place existing topsoil and grass in windrows along the edge of the grading operations or as directed/approved by the Engineer. After grading operations are completed, spread the existing topsoil and grass uniformly on all slopes and ditches as directed by the Engineer.

Apply drill seeding in areas designated on the plans or as directed by the Engineer. Prior to seeding, finish the areas designated to a smooth surface for a uniform application of seed.

Reseeding:

Reseed areas requiring seeds due to the non-establishment of sufficient vegetative cover in accordance with Items 164 and 168. Upon following the seeding and watering requirements as specified in Items 164 and 168, the state covers the cost for reseeding.

Seed mixture:

Refer to type of seed mixture as specified under Item 164, District 22. Apply seeding at the rates stated on the appropriate table(s) of article 164.2 as follows:

Type of seed mix and season	Table
Temporary warm season	4
Temporary cool season	3
Permanent seed mix	1 (Rural) or 2 (Urban)

For drill seeding permanent season grasses, use a seed drill that is capable of properly storing and metering the release of small seeds (such as Bermuda grass) separately from fluffy type seeds (such as Bluestem). Drills manufactured for planting standard grain crops will not be accepted.

ITEM 166 – FERTILIZER:

Fertilize all areas of project to be seeded or sodded.

Furnish and apply fertilizer with analysis of 16-20-0 at a rate of 625 bulk pounds per acre.

ITEM 247 – FLEXIBLE BASE

The proposed full-depth 18 inches of new flexible base will be placed in two separate 9 inch lift thicknesses in accordance with the requirements of standard specification Item 247.

For Flexible Base (Complete In Place)(TY A GR 4)(Final Position)(CY), conform to:

Percent retained on each sieve						Soil constants			Wet ball mill max
1 3/4”	1 1/4”	7/8”	3/8”	#4	#40	LL max	PI max	PI min	
0-10	-	-	-	45-75	68-85	40	12	n/a	*50

* The maximum increase in material passing the no. 40 sieve shall not exceed 20.

Compaction Requirements

Item	Material	Course	Density
247	Flex Base	All	98% Minimum

Test Method Tex-121-E shall conform to the following minimum compressive strength requirements:

Lateral Pressure	Triaxial Strength
0 PSI	35 PSI
15 PSI	175 PSI

Blade the side slopes to remove all grass from the area of construction before placing flexible base on that portion of the roadway to be widened, level-up, seal coat, or HMAC overlay. Blade the sod back onto the side slopes after the proposed items of work have been completed. Consider subsidiary to pertinent Items.

Quantities for flexible base at proposed widening locations were calculated using 2% typical cross slope denoted on cross-sections. Roadway typical sections dictate that proposed cross slopes will vary. Contractor to construct by extending existing field condition surface cross-slopes for proposed flexible base widening and projecting down to top of subgrade.

ITEM 302 – AGGREGATES FOR SURFACE TREATMENTS:

Use a minimum Class B for the coarse aggregates of the surfaces of the travel lanes, as published in the aggregate quality monitoring program rated source quality catalogue.

Previously tested aggregates delivered to the project, which are found to contain excessive quantities of dust (more than 0.5 percent passing the no. 40 sieve) during pre-coating, stockpiling or hauling operations, can be rejected by the Engineer. Use test method TEX-200-F, Part I for testing.

Use aggregate Type PE as the pre-coated aggregate consisting of crushed slag, crushed stone or natural limestone rock asphalt.

ITEM 316 – SURFACE TREATMENTS:

Asphalt and aggregate rates are for estimation purposes only and may be adjusted by the Engineer depending on the material used. Keep aggregate rate to a minimum as directed by the Engineer. Allow a minimum 24 hour curing period in the event emulsions are used before placing any subsequent asphalt courses.

Set a string line for all surface treatment operations unless otherwise approved by the Engineer.

The Engineer will approve the location of aggregate stockpiles. Place the aggregate at a location where it will be free of excess surface moisture, as determined by the Engineer, before application.

Flux oil or emulsions may be used for pre-coating LRA and LRA-trap rock blends. Dry the pre-coated aggregate to the satisfaction of the Engineer when emulsions are used as the pre-coat material. It will be the responsibility of the Contractor/Producer to provide adequate drying and a minimum 30 day curing period before delivery of the aggregates. The Engineer reserves the right to reject any pre-coated aggregate which is improperly coated or otherwise unsatisfactory for use.

If the aggregates to be pre-coated are found to have stripping characteristics, the Engineer may require the addition of an anti-stripping agent. Meet the requirements of DMS-6350, “Lime and Lime Slurry,” and DMS-6330, “Lime Sources Prequalification of Hydrated Lime and Quicklime,” and add it to the aggregate at the rate of 1% hydrated lime by mass of aggregate when choosing to use lime as an anti-stripping agent. Add the lime to the aggregate in slurry form at the cold feed. Consider the cost of the lime to be subsidiary to this item. Add lime slurry at the stockpile but not more than 24 hours in advance of use when approved by the Engineer.

Ensure that the asphalt used for pre-coating the aggregate at the plant and the asphalt used for the surface treatment at the project site will not result in a reaction that may adversely affect the bonding of the aggregate and asphalt during the surface treatment operation.

Addition of baghouse fines will not be permitted in the production of pre-coated material.

Pre-coated aggregate that do not maintain flow qualities and can not be satisfactorily spread by approved mechanical spreading devices are not acceptable.

Stockpiles of aggregate pre-coated with AC may generate excessive heat build-up resulting in damage to the asphalt and/or aggregates if adequate cooling has not been initially provided. Stockpiles showing evidence of excessive heat build-up can be rejected by the Engineer.

Execute all rolling in accordance with Item 210 (medium, Pneumatic tire) at the approximate rate of 1 hr/3000 SY or as directed by the Engineer. The light pneumatic roller will be acceptable at the approximate rate of 1 hr/2000 SY. Tire pressure and ballast of all pneumatic rollers will be of continuing interest by the Engineer, and will be in accordance with Item 210.

Configure the asphalt distributor spray bar so that nozzles over the wheel paths of the road spray 15% less than the nozzles over other areas of the roadway, unless otherwise directed the Engineer. The nozzle configuration may be changed from project to project as directed by the Engineer. Provide the variable size nozzles and provide the Engineer with documentation certifying the calibration of the nozzles. The variable size nozzles will not be paid for directly, but is subsidiary to Item 316.

Asphalt season will be year around, as long as the requirements of section 316.4.D are met.

ITEM 432 - RIPRAP

Provide Class B Concrete for riprap.

Provide Class B Concrete for mow strip.

In all riprap slopes, 3 inch diameter weep holes will be provided at 10 foot maximum spacing and backed with loose graded gravel or crushed stone and galvanized hardware cloth as directed/approved by the Engineer.

Block out areas of the riprap around the fence posts in areas where guard fence posts are to be placed in riprap in accordance with State standard “MOW STRIP MS-03”. The estimated number of fence posts is 94. Consider this work subsidiary to Item 432 and do not pay for it separately.

ITEM 496 – REMOVING STRUCTURES

Provide a detailed plan for the removal of the existing structure to include the schedule of removal and list of all equipment to be used.

ITEM 500 - MOBILIZATION

"Materials-on-Hand" payments will not be considered in determining percentages used to compute mobilization payments.

ITEM 502 – BARRICADES, SIGNS AND TRAFFIC HANDLING

Designate, as the Contractor Responsible Person (CRP), an English speaking employee on-call nights and weekends with a local address and telephone number (or any other time that work is not in progress) for maintenance of signs and barricades. This employee will be located within one (1) hour of traveling time to the project site. Notify the Engineer in writing of the name, address and telephone number of this employee. Furnish this information to local law enforcement officials.
Incorporate and maintain a 3H:1V safety wedge into the proposed construction for any roadway edge of 2 in. or greater adjacent to a roadway under traffic.

Use a minimum of 2 flaggers, 2 advance warning flashing arrow panels (TY C), 2 of each signs CW20-5R or CW20-5L with appropriate distance plaques and CW9-2R or CW9-2L and 28-in. cones at each location in which milling or paving operations are in progress.

No weekend closures will be allowed on the weekends which include the following holidays: January 1, the last Monday in May, July 4, the first Monday in September, the fourth Thursday in November, December 25 and Easter weekend.

Unless otherwise approved, no weekend closures will be allowed on the weekends of special events that could be impacted by the construction.

Ensure all equipment, vehicles, workers, etc., associated with these closures are off the roadways and all lanes re-opened at least by noon of the Friday before these holidays and special events.

Place one TY III Barricade 8 ft. at each stockpile of material that is placed on the right-of-way and is located within 30 ft. of the traveled way.

Maintain access to all streets and driveways at all times. Consider subsidiary to the pertinent Items.

Furnish advisory speed signs as directed by the Engineer. Maintain enough manpower to revise traffic control as directed.

Provide truck-mounted attenuators (TMA) in accordance with the State Standard Sheet(s) for “Traffic Control Plan”, “Barricades and Construction”, and “Texas MUTCD” when a shadow vehicle is used.

Shadow vehicles with Truck Mounted Attenuators will be required on moving operations only.

Ensure all permanent signs necessary for the operation of any roadway are installed before opening that section of roadway to traffic, regardless of the phase during which the roadway construction occurs. Erect the signs on temporary mounts if necessary until the permanent mounts are installed. Consider subsidiary to the pertinent Item. Repair or replace any signs which are damaged by the Contractor’s operations during construction or which are deemed insufficient.

When advance warning flashing arrow panel(s) is/are specified, one standby unit in good condition at the job site ready for immediate use is required.
Use of shadow vehicles with Truck Mounted Attenuators (TMA) as called for in the State Standard Sheet(s) “Traffic Control Plan” (TCP) is not optional.

Treat pavement drop-offs as shown in the TCP and/or as approved/directed by the Engineer.

The construction methods will be conducted to provide the least possible interference to traffic to permit the continuous movement of traffic in all allowable directions at all times. Clean and remove all loose material resulting from contract operations in a timely manner.

Moving an existing sign to a temporary location is subsidiary to this Item. Installations with permanent supports at permanent locations will be paid for under the applicable bid item (s).

Use opposing lane dividers and vertical panels to channelize traffic when existing pavement marking have been obliterated.

State Standard Sheet(s) “Traffic Control Plan (TCP)”requires that certain signs are to remain in place until the standard pavement markings are placed. Place the standard markings no later than 14 days after surface treatment operations are completed. Refer to the traffic control plan for this project as shown in the plans, as detailed on the “Barricade and Construction Standard” sheets and as provided for in the current “Texas MUTCD”.

Place eight inches of both red and white stripes in an inverted "V" design on the back of all TMA’s. Conform all sheeting to Departmental Material Specification DMS 8300, Type C.

Assure that Truck Mounted Attenuators meet NCHRP 350 requirements.

The time frame for the Contractor to provide properly maintained traffic control devices before they are considered to be in non-compliance with this Item, is 48 hours regardless of the days of the week involved after notification is done in writing by the Engineer. If the Contractor doesn't take the necessary steps approved by the Engineer to eliminate the non-compliance conditions within the 48 hours established above, payment for this Item for the month(s) in non-compliance can be withheld as covered in Section 502.4(B).

Furnish all traffic control and comply with the current Texas MUTCD, Traffic Control Plan (TCP) and Barricades and Construction Standards (BC), Pavement Marker Standards (PM), and Work Zone Standard (WZ).

The Contractor is fully responsible for the traffic control and will be responsible for furnishing all traffic control devices, and flaggers. Conduct construction methods in order to provide the least possible interference to traffic so as to permit the continuous movement of traffic in all allowable directions at all times. Clean up and remove from the work area all loose material resulting from construction operations at the end of each work day. Keep at least one lane open when placing loop detectors across the roadway.

Replace/relocate all regulatory signs removed due to construction operations with a same sign on fixed or temporary support(s) immediately upon its removal. Obtain a project Engineer approval before removing any regulatory roadway sign. Relocate a sign, if required by construction, to a location in compliance with the "Texas Manual on Uniform Traffic Control Devices". In no case will a sign be removed without a replaceable sign and support being readily available and a location established. Required flaggers are to be available to direct traffic during sign intermediate down time.

Pay attention to the "No Center Stripe" sign and other signs in the "Traffic Control Details for Seal Coat Operations" which are included in the plans. Furnish and install these signs and keep in place after completion of the surface treatment operation until standard pavement markings are placed but no longer than 3 days. These signs are in addition to the signs and barricades that may be required on the "BC" standard sheets.

Use plastic drums in accordance with the plans and manufacturer's recommendations as approved by the Engineer.

ITEM 504 – FACILITIES FOR FIELD OFFICE AND LABORATORY

Provide a Type C Structure (Field office).

Provide one (1) desktop computer and one (1) Integrated Printer/Scanner/Copier/ Fax Unit and Internet service. Will conform computer equipment to Departmental Material Specification D-10101 for the Type C structure. Provide wireless internet card.

ITEM 506 – TEMPORARY EROSION, SEDIMENTATION, AND ENVIRONMENTAL CONTROLS

Use the following item(s) SW3P for this project as directed by the Engineer:

Temporary Sediment Control Fence
Rock Filter Dams
Soil Retention Blanket
Temporary Straw or Hay Mulch Seeding
Drill seeding
Straw or Hay Mulch
Construction Exits

ITEM 512 – PORTABLE CONCRETE TRAFFIC BARRIERS

Portable concrete traffic barrier will be provided by the state. Contractor to coordinate with the engineer for pick up and return of traffic barrier.

Contractor to pick up portable concrete traffic barrier which is located at a stockpile at the intersection of FM 469 and FM 468, west of Cotulla, Tx. One-way distance to project site is approximately 70 miles.

Traffic barrier to be removed and reused at various location within the project limits. Upon completion, traffic barrier is to be returned to the stockpile noted above.

Any damaged concrete traffic barrier, resulting from contractor's operations, will be replaced at the contractor's expense.

ITEM 540 – METAL BEAM GUARD FENCE

Before beginning the installation of the proposed MBGF, stake the locations for approval.

ITEM 560 – MAILBOX ASSEMBLIES

Supplement each new mailbox installation with Type 2 object marker placed on the mailbox support in a vertical position 6 inches below the bottom of the mailbox.

Reflective tape may be used to simulate a Type 2 marker on tubular supports. Use tape that meets DMS-8600. The simulated marker will consist of three 2 3/4 in. x 2 3/4 in. pieces of yellow high intensity tape spaced 1-in. apart.

The Type 2 marker will consist of OM-2SR or OM-2VP object markers if delineator post supports are used. Bi-directional brackets may be required on Size 2 mailbox installations. Consider subsidiary to the pertinent Item.

ITEM 636 – Aluminum Signs

Aluminum signs to be removed will be salvaged and delivered to the following locations:
CSJ: 0276-01-033 and CSJ 0276-02-025 –Maverick Maintenance Yard, Eagle Pass, TX. (830) 773-2617
CSJ 0276-03-036 –Zavala Maintenance Yard, La Pryor, TX (830) 365-4211

ITEM 644 - SMALL ROADSIDE SIGN SUPPORTS AND ASSEMBLIES

For this project, use the "Texas Universal Triangular Slip Base" sign support as per the applicable Sign Mounting Details State Standards.

Install all signs in accordance with the latest edition of the TMUTCD and TxDOT Sign Crew Field book.

The background sign sheeting for all E-series, Green D and I –series, and regulatory signs will be fabricated with Type C (high specific intensity) sheeting. The background sign sheeting for all warning signs will be fabricated with Type E (fluorescent prismatic) sheeting. White legend and borders for E-series and Green D and I –series will be fabricated with Type D (non-fluorescent prismatic) sheeting. White legend and borders for regulatory signs will be fabricated with Type C (high specific intensity) sheeting. Black legend and borders for regulatory and warning signs will be fabricated with vinyl non-reflective decal sheeting. All other legends (other colors) for warning signs will be fabricated with Type D (non-fluorescent prismatic) sheeting. Reflectorized, removable legends will not be allowed.

Spread all excess excavation uniformly inside the right of way as directed. Include the price of this work in the various bid items.

Erect all signs according to the locations shown on the plans, or as directed. Stake all sign locations as shown in the plans. Locations will be approved prior to the installation of any sign.

Aluminum signs to be removed will be salvaged and delivered to the following locations:
CSJ: 0276-01-033 and CSJ 0276-02-025 –Maverick Maintenance Yard, Eagle Pass, TX. (830) 773-2617

CSJ 0276-03-036 –Zavala Maintenance Yard, La Pryor, TX (830) 365-4211

Erect all roadside traffic signs with the sign's edge at a minimum of 12 feet from the edge of the travel lane. In curb and gutter sections, the sign's edge will be a minimum of 2 feet from the face of the curb.

Conform to sign types for which details are not shown in the plans to the "Texas MUTCD".

ITEM 658 DELINEATOR AND OBJECT MARKER ASSEMBLIES:

Use flexible posts for object markers Type 2 and for delineators.

ITEM 662 – WORK ZONE PAVEMENT MARKINGS

Remove work zone pavement markings within 48 hours after permanent striping has been completed.

Temporary flexible-reflective tabs and foil backed pavement markings will not be allowed.

ITEM 666 - REFLECTORIZED PAVEMENT MARKINGS

For TY I markings the minimum thickness of spray-applied markings, as measured on a flat plate by micrometer or similar device, will be 0.100 inches (100 mils) for new markings and 0.060 inches (60 mils) for retracing on thermoplastic pavement markings. Apply 0.090 inches (90 mils) of minimum thickness for all other TY I markings. The maximum thickness for TY I markings will be 0.180 inches (180 mils). These thicknesses are required for the full width of the line being placed.

Apply all markings in accordance with the plans, the latest version of the Texas MUTCD and as directed/approved by the Engineer after the surface has cured for two (2) days, been cleaned and prepared according to the specifications and as directed/approved by the Engineer. Apply thermoplastic markings directly over existing painted pavement markings only where applicable.

Mark the locations of the standard pavement markings, as directed. Pavement markings determined to have been placed incorrectly, such as no-passing zones, gore areas, turn lanes, etc., will be removed and replaced by approved methods, at no additional cost to the State.

ITEM 672 - RAISED PAVEMENT MARKERS

Mount adhesive dispensing equipment into truck or trailer. Place all adhesive material directly for the heated dispenser to the pavement. Portable or not-heated containers will not be allowed for the placement of the adhesive material.

Remove all existing raised pavement markers from the roadway prior to placement of new raised pavement markers.

Use a crew experienced in the work of raised pavement marker replacement and/or installation and in the necessary traffic control.

All raised pavement markers will meet Departmental materials specifications DMS 4200, Pavement Markers (Reflectorized) and high volume (HV) classification. TxDOT's General Services Division maintains a list of qualified suppliers.

Place the proposed reflective pavement markers in accordance with TxDOT standards.

Clean the pavement at each location where markers are to be placed in such a manner as to remove all dirt and loose debris before application. This cleaning will not be paid for directly, but will be subsidiary to bid item 672 "Raised Pavement Markers."

Prior to placement of all raised pavement markers on concrete pavement, the surface will be blast-cleaned using an abrasive blasting medium. This work will not be paid for directly, but will be subsidiary to bid item 672 "Raised Pavement Markers."

Use bituminous adhesive on bituminous pavements. Do not use epoxy adhesive on Portland cement concrete pavement.

ITEM 677 - ELIMINATING EXISTING PAVEMENT MARKINGS AND MARKERS

Elimination of existing thermoplastic pavement markings will consist of a mechanical method approved by the Engineer (677.4).

ITEM 5010 – TRANSPORTABLE CELLULAR TELEPHONES

Provide 2 transportable cellular telephones, as approved by the engineer. Assign each phone to specific TxDOT personnel associated with this construction project. The initial cost of the cell phone units and accessories; replacement of components that reach the end of their service life, such as batteries, cases, and cords will be considered subsidiary to pertinent items. Cellular phones and accessories remain the property of the Contractor at the completion of the contract. Provide phone with a range encompassing a minimum of a 100 mile radius and include approximately 500 minutes in the base rate calling plan. Individual TxDOT employees will be responsible for the cost of a lost or damaged cellular phone. TxDOT employees pay $0.25 per minute on

personal calls regardless of minutes used in the plan, to the Texas Department of Transportation.

The work performed, materials furnished, equipment, labor, tools and incidentals will not be measured or paid directly, but will be subsidiary to pertinent Items.

CONTROL : 0276-01-033, ETC
PROJECT : CBI 2008(184)
HIGHWAY : US 57
COUNTY : MAVERICK, ETC

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 105 REMOVING STABILIZED BASE AND ASPHALT PAVEMENT
ITEM 110 EXCAVATION (132)
ITEM 132 EMBANKMENT (100)(204)(210)(216)(400)
ITEM 164 SEEDING FOR EROSION CONTROL (162)(166)(168)
ITEM 169 SOIL RETENTION BLANKETS
ITEM 247 FLEXIBLE BASE (105)(204)(210)(216)(520)
ITEM 310 PRIME COAT (300)(316)
ITEM 316 SURFACE TREATMENTS (210)(300)(302)(520)
ITEM 432 RIPRAP (247)(420)(421)(427)(431)(440)
ITEM 450 RAILING (420)(421)(424)(440)(441)(442)(445)(446)(448)(540)
ITEM 452 REMOVING RAILING (420)
ITEM 460 CORRUGATED METAL PIPE (400)(445)(476)
ITEM 467 SAFETY END TREATMENT (400)(420)(421)(430)(432)(440)(445)(460)(464)
ITEM 480 CLEANING EXISTING CULVERTS
ITEM 496 REMOVING STRUCTURES (430)
ITEM 500 MOBILIZATION
ITEM 502 BARRICADES, SIGNS, AND TRAFFIC HANDLING
ITEM 504 FIELD OFFICE AND LABORATORY (5010)
ITEM 506 TEMPORARY EROSION, SEDIMENTATION, AND ENVIRONMENTAL CONTROLS (432)(556)
ITEM 512 PORTABLE CONCRETE TRAFFIC BARRIER (420)(421)(424)(440)(442)
ITEM 530 INTERSECTIONS, DRIVEWAYS, AND TURNOUTS (247)(260)(263)(275)(276)(292)(316)(330)(334)(340)(360)(421)(440)
ITEM 540 METAL BEAM GUARD FENCE (421)(445)(529)(542)(544)
ITEM 542 REMOVING METAL BEAM GUARD FENCE

ITEM 544 GUARDRAIL END TREATMENTS
ITEM 560 MAILBOX ASSEMBLIES
ITEM 636 ALUMINUM SIGNS (643)
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 672 RAISED PAVEMENT MARKERS (677)(678)
ITEM 677 ELIMINATING EXISTING PAVEMENT MARKINGS AND MARKERS (300) (302)(316)
ITEM 730 ROADSIDE MOWING
ITEM 734 LITTER REMOVAL

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, MARCH, 1994)
WAGE RATES
SPECIAL PROVISION "SCHEDULE OF LIQUIDATED DAMAGES" (000--1002)
SPECIAL PROVISION "PARTNERING" (000---002)
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 "DISADVANTAGED BUSINESS ENTERPRISE IN FEDERAL-AID CONSTRUCTION" (000---461)
SPECIAL PROVISION "STANDARD FEDERAL EQUAL EMPLOYMENT OPPORTUNITY CONSTRUCTION CONTRACT SPECIFICATIONS" (000---006)
SPECIAL PROVISION "ON-THE-JOB TRAINING PROGRAM" (000--1001)
SPECIAL PROVISION "CERTIFICATION OF NONDISCRIMINATION IN EMPLOYMENT" (000---009)
SPECIAL PROVISION "DEPARTMENT DIVISION MAILING AND PHYSICAL ADDRESS" (000---011)
SPECIAL PROVISION TO ITEM 1 (001---005)
SPECIAL PROVISION TO ITEM 3 (003---026)
SPECIAL PROVISION TO ITEM 4 (004---011)
SPECIAL PROVISION TO ITEM 5 (005---004)
SPECIAL PROVISION TO ITEM 6 (006---030)
SPECIAL PROVISIONS TO ITEM 7 (007---213)(007---297)
SPECIAL PROVISION TO ITEM 8 (008---006)
SPECIAL PROVISIONS TO ITEM 9 (009---009)(009---015)
SPECIAL PROVISION TO ITEM 100 (100---002)
SPECIAL PROVISION TO ITEM 164 (164---002)
SPECIAL PROVISION TO ITEM 247 (247---020)
SPECIAL PROVISION TO ITEM 260 (260---001)
SPECIAL PROVISION TO ITEM 360 (360---003)
SPECIAL PROVISION TO ITEM 420 (420---002)
SPECIAL PROVISION TO ITEM 421 (421---024)
SPECIAL PROVISION TO ITEM 440 (440---001)
SPECIAL PROVISION TO ITEM 441 (441---002)

SPECIAL PROVISION TO ITEM 442 (442---005)
SPECIAL PROVISION TO ITEM 500 (500---004)
SPECIAL PROVISION TO ITEM 502 (502---033)
SPECIAL PROVISION TO ITEM 506 (506---010)
SPECIAL PROVISION TO ITEM 512 (512---001)
SPECIAL PROVISION TO ITEM 560 (560---001)

SPECIAL SPECIFICATIONS:

ITEM 5010 TRANSPORTABLE CELLULAR TELEPHONES

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 SPECIFICATIONS FOR THIS PROJECT.

SPECIAL PROVISION

512---001

Portable Concrete Traffic Barrier

For this project, Item 512, "Portable Concrete Traffic Barrier," of the Standard Specifications, is hereby amended with respect to the clauses cited below, and no other clauses or requirements of this Item are waived or changed hereby.

Article 512.2. Materials. The first paragraph is supplemented by the following:

Furnish the class of concrete shown on the plans. Air-entrained concrete will not be required in precast concrete traffic barrier, unless otherwise shown on the plans.

Article 512.3. Construction. The second sentence of the first paragraph is voided and replaced by the following:

Multi-project fabrication plants (as defined in Item 424, "Precast Concrete Structures (Fabrication)") that produce concrete traffic barrier, except temporary barrier furnished and retained by the Contractor, must be approved in accordance with DMS-7350, "Qualification Procedure for Multi-Project Fabrication Plants of Precast Concrete Traffic Barrier."