



COLLIN COUNTY, TEXAS

ADDENDUM No. One (1)

IFB NO. 06292-10

INVITATION FOR BIDS

FOR

Construction, Road: Outer Loop Access Road, US 75 to SH 121

DATE: October 8, 2010

NOTICE TO ALL PROSPECTIVE BIDDERS:

YOU ARE HEREBY DIRECTED TO MAKE CHANGES TO THE INVITATION FOR BIDS IN ACCORDANCE WITH THE ATTACHED INFORMATION.

ADD: Pre-Bid Sign-In form

ADD: Engineer's Addendum 1 Documents

ADD: Questions and Answers as of October 8, 2010

The goetech report will be available on Bidsync or at the office of the engineer.

If you require the Earthwork Data in .XSR format send an email to mdobecka@collincountytx.gov

PLEASE NOTE ALL OTHER TERMS, CONDITIONS, SPECIFICATIONS DRAWINGS, ETC. REMAIN UNCHANGED.

SINCERELY,
FRANKLIN YBARBO
PURCHASING AGENT



PRE-BID SIGN-IN SHEET

Project: IFB 06292-10, Construction, Road: Outer Loop Access Road, US 75 to SH 121 Meeting Date: October 6, 2010

Facilitator: Matt Dobecka, CPPB Collin County Purchasing mdobecka@co.collin.tx.us Place/Room: Comm. Courtroom

Name	Company	Phone	E-Mail
GLENN RUCKEL	KNIFE RIVER CORP	903 939 5601	glenn.ruckel@kniferiver.com
JEFF WILT	ALPHA TESTING	214-755-6482	JWILT@AlphaTesting.com
Brian Hoyt	Alpha Testing	972-670-8411	bhoht@alphatesting.com
Douglas McFie	Loey Construction	214-357-0146	estimating@hlacey.com
BOBBY GAY	R.K. HALL CONSTRUCTION	(903) 784-8880	bobby@RKHALLCONSTRUCTION.COM
JEFF TITTLE	GLENN THURMAN, BUS	972-286-6333	RICHARD@GETFAUTOCAR.COM
WADE BLAKE	RPM CONS	4694463760	WBLAKE@RPMXCONSTRUCTION.COM
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BRAD MISSLER	LOVE STAR CIVIL CONST	972 874 5700	B.MISSLER@LSCIVIL.NET
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PRE-BID SIGN-IN SHEET

Project: IFB 06292-10, Construction, Road: Outer Loop Access Road, US 75 to SH 121 **Meeting Date:** October 6, 2010

Facilitator: Matt Dobecka, CPPB Collin County Purchasing mrdobecka@co.collin.tx.us **Place/Room:** Comm. Courtroom

Name	Company	Phone	E-Mail
Mickey Davison	Alliance Geotechnical	409-362-5450	mledison@eggegr.com
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WAYNE NEWOOD	MARIO SINACOLA	214-387-3900	ENGINEERING@MARIO.SINACOLA.COM
Kory Peterson	Omega Contracting	214-689-3815	koryp@azteca-omega.com
SCOTT WILKINSON	ECS-TEXAS	972-392-3222	SWILKINSON@ECSLIMITED.COM
Rick Howard	Austin Bridge & Road	214 586 2345	rhoward@austbr-nd.com
MIKE CARVER	" "	(214) 596-7300	mcarver@astbr-ind.com
LARRY KENNON	ASHLAR CONTR.	972 436 5509	LARRY_ASHLAR@YAHOO.COM

NOTICE TO ALL BIDDERS:

This addendum is issued to make minor revisions and additions to the Plans and Specifications previously issued for bids on the above referenced project. The items amended are listed and described below. Additional documents are attached hereto as noted.

1. SECTION GN – GENERAL NOTES

- A. Specification Data (Pages 2 and 3) - Table 1, Table 2 and Table 3 have been revised. See the attached revised pages.
- B. Add the attached SPECIAL PROVISION 007-001 for required Railroad Insurance coverage limits. The Dallas, Garland & Northeast Railroad (DGNO) operates approximately 12 trains per week on the Sherman Line. Operations begin Sunday night at 7:00 p.m., beginning at Dennison, running south as far as Industrial Boulevard in McKinney, and run through Friday. Their operating speed is 10 m.p.h.

The operations involve of 6 trains per week for Lattimore Materials, which is located immediately south of Throckmorton Road in Melissa. The six trains consist of three 85-car trains loaded with rock, headed south to Lattimore, then three empty trains returning. Each 85-car train is approximately 5,100 feet in length. They stop the train before Throckmorton in order to pull the switch to enter Lattimore's siding track, then move the cars onto the siding, so the train is stopped for only a short time. The other six weekly trains operate in a similar fashion for other customers and, again, may go as far south as Industrial Blvd. in McKinney.

2. BASE BID SCHEDULE

- A. The Base Bid Schedule is removed and replaced in its entirety with the attached Base Bid Schedule.

3. PLANS

- A. Traffic Control Plan Summary (Sheet #13) – Bid Items for PORT CTB and Items for WK ZN PAV MRK quantities revised.
- B. Roadway Summary (Sheet #14) - Item 247-2064 FL BS (CMP IN PLC)(TY A GR 4)(6”) is revised to Item 247-2061 FL BS (CMP IN PLC)(TY A GR 1)(6”)
- C. Summary of Bridge Quantities (Sheet #22)
 - i. Bid Item 420-2004 CL C CONC (BENT) quantity is revised to 37.6 CY.
 - ii. Bid Item 420-2033 CL C CONC (APPR SLAB) is revised to CL S CONC.

- D. Summary of SWPPP Quantities (Sheet #28) – Bid Item 506 TEMP SDMT CONT FENCE (INLET PROTECT) quantity revised to 1,800 LF. See the following table for required sediment control fence (SCF) per type of inlet:

SW3P Symbol	Description	SCF (LF) per Each Inlet
CI	5' Curb Inlet	20
CI-1	5' Curb Inlet w/ 1 Ext.	30
CI-2	5' Curb Inlet w/ 2 Ext.	40
H1	3'x3' Typ H Area Inlet	20
H2	5'x5' Typ H Area Inlet	30

- E. Traffic Control Plans Narrative (Sheet #30) – Replace with new sheet. Full Depth HMA Section revised and Constructing Detours Section added.
- F. Driveway Details (Sheet #100) – Replace with new sheet. Driveway pavement section added to sheet details.
- G. CPCD-94 Standard (Sheet #108) – Replace with the CRCP(1)-09 Standard for Continuously Reinforced Concrete Pavement.

Specification data:

Table 1: Soil Constants Requirements. See general note for Item 132 for more detail.

Item	Description	Plasticity Index		Note
		MAX	MIN	
132	EMBANKMENT (FINAL) (DENS CONT) (TY C)	40	10	1

Note 1: The above **PI** requirements do not apply to material excavated from the project. Do not use shale and obtain approved areas to incorporate shaley clay with a PI over 49 produced by the construction project.

Table 2: The following rates are provided for Contractor's information only. These items will not be paid for directly but are subsidiary to various items in the project.

Item	Description	Rate	Remarks
166	FERTILIZER	45 lbs. of granular solid nitrogen acre in a 3-1-2 ratio of N-P-K contingent on soil samples.	For new sodding / seeding areas only. Incorporate fertilizer when preparing soil. 50% must be in slow release form.
204	SPRINKLING (EARTHWORK)	As needed to perform the work	
204	SPRINKLING (BASE)		
300	ASPHALT MATERIAL (SS 1 OR MS-2)	0.20 gal/SY	

Table 3: The following rates are used to compute the quantities for the project.

Item	Description	Rate	Remarks
164	DRILL SEEDING (TEMP) (WARM)	34 lbs/acre of Foxtail Millet seed	Warm season is from May 1 thru August 31. Apply 1.5 - 2.0 tons/acre of hay mulch or 2.0 - 2.5 tons/acre of straw mulch uniformly over the seeding areas. Estimated quantity is 25% of permanent.
164	DRILL SEEDING (TEMP) (COOL)	34 lbs/acre of Winter Wheat (Red)	Cool season is from September 1 thru November 30. Apply 1.5 - 2.0 tons/acre of hay mulch or 2.0 - 2.5 tons/acre of straw mulch uniformly over the seeded areas. Estimated quantity is 25% of permanent.

Item	Description	Rate	Remarks
164	CELL FBR MLCH SEED(PERM)(URBAN)(CLAY)	80 lbs/acre Common Bermudagrass	Apply the rate of cellulose fiber mulch in accordance to the requirements shown in Item 164.3.C for clay soils.
168	VEGETATIVE WATERING	28,000 gal/ac/wk (1")	Apply water in multiple applications during the week. Minimum of 6 weeks during March thru May, and October.
168	VEGETATIVE WATERING	42,500 gal/ac/wk (1 1/2")	Apply water in multiple applications during the week. Minimum of 6 weeks during June thru September.
168	VEGETATIVE WATERING	7,000 gal/ac/wk (1/4)	Apply water in multiple applications during the week. Minimum of 4 weeks during November thru February.
260	LIME (HYD, COM, OR QK(SLURRY))	162 lbs/CY	
315	FOG SEAL (SS-1)	0.20 gal/SY	
340	D-GR HMA(METH) TY-D SAC-B PG70-22	110 lbs/SY/in	HMAC used for final surface course.
340	D-GR HMA(METH) TY-D PG70-22	110 lbs/SY/in	HMAC used for the level-up course.
340	D-GR HMA(METH) TY-B PG64-22	110 lbs/SY/in	Asphalt used for the base course.

GENERAL:

All project specific submittals required for this contract must be submitted to the Engineer's office located at Collin County Engineering, 825 N. McDonald, Suite 160, McKinney TX 75069 for further processing.

The following firms are consultants to the Authority responsible for the design and construction of this project:

Design Engineer: HNTB Corporation
Geotechnical Engineer: Terracon Consultants, Inc
Construction Administration: HNTB Corporation

SPECIAL PROVISION

007---001

Insurance Requirements

CONTRACTOR shall, at its expense, procure, prior to commencement of the WORK, and shall maintain in full force and effect until the WORK has been completed and accepted, and shall require all subcontractors likewise to procure and maintain, unless they be covered by CONTRACTOR's insurance, the following kinds and minimum amounts:

1. Workmen's Compensation Insurance with minimum limits of not less than \$1,000,000 Bodily Injury by Accident, Each Accident; \$1,000,000 Bodily Injury by Disease, Policy Limit; \$1,000,000 Bodily Injury by Disease, Each Employee, and includes a waiver of subrogation in favor of RAILROAD.

2. CONTRACTOR's Public Liability, Property Damage Liability Insurance including Products & Completed Operations coverage with a minimum single combined limit of not less than \$2,000,000 per occurrence and \$6,000,000 aggregate. Coverage shall include Railroad Contractual Liability endorsement ISO GL 24 17 or its equivalent, have a cross-liability clause, name RAILROAD as an additional insured with endorsement ISO GL 20 10, and include a waiver of subrogation in favor of RAILROAD.

3. The CONTRACTOR shall maintain Commercial Automobile Insurance for all owned, non-owned and hired vehicles with a combined single limit of not less than \$1,000,000 for Bodily Injury and Property Damage Liability. Such policy shall be endorsed to provide Waiver of Subrogation in favor of RAILROAD and name RAILROAD as Additional Insured. If hauling hazardous materials, policy is to be endorsed with the MCS-90 endorsement.

4. CONTRACTOR shall acquire Railroad Protective Public Liability and Property Damage Liability Insurance with limits of \$2,000,000 per occurrence, \$6,000,000 annual aggregate, with RA and each of the RAILROADS as the named insured under (1) RPL for the entire contract. At RAILROAD's option and with the appropriate price reduction, RAILROAD may obtain such coverage for some projects where it is more economical for both CONTRACTOR and RAILROAD.

5. If required, the CONTRACTOR shall maintain Pollution Legal Liability Insurance with minimum limits of \$5,000,000 per occurrence covering all operations of the CONTRACTOR. Such policy shall be endorsed to provide Waiver of Subrogation in favor of RAILROAD and name RAILROAD as Additional Named Insured.

(b) Insurance shall be primary and without right of contribution from other insurance that may be in effect and without subordination. The insurance policies must be underwritten by a company licensed in the state where work is to be performed, and carry a minimum Best's rating of "A- VI" or better. Insurance shall not be materially modifiable or cancelable without thirty, (30) days prior written notice to RAILROAD. CONTRACTOR shall furnish RAILROAD with certificates of insurance showing compliance with these insurance provisions ten (10) days prior to the commencement of the WORK which must be signed by an authorized member of the insurance firm and which must show the name of the agreement to which the certificate is applicable.

(c) If any policies providing the required coverages are written on a claims-made basis, the following is applicable:

- The retroactive date shall be prior to the commencement of the work
- CONTRACTOR shall maintain such policies on a continuous basis
- If there is a change in insurance companies or policies are canceled or not renewed, CONTRACTOR shall purchase an extended reporting period of not less than three (3) years after the contract completion date.

**BASE BID SCHEDULE
 BOND PROJECT NO. 07-094
 COLLIN COUNTY OUTER LOOP ACCESS ROAD
 PAVING AND DRAINAGE IMPROVEMENTS
 US 75 TO SH 121**

BID ITEM	BUDGET ITEM	APPROX. QUANTITY	UNIT AND DESCRIPTION AND UNIT PRICE WRITTEN IN WORDS	TOTAL AMOUNT
1	100	243.82	STA PREPARING ROW _____ DOLLARS and _____ CENTS per Unit	\$ _____
2	105	9,020.00	SY REMOVING STAB BASE AND ASPH PAV (2" - 6") _____ DOLLARS and _____ CENTS per Unit	\$ _____
3	106	12.10	STA OBLITERATING ABANDONED ROAD _____ DOLLARS and _____ CENTS per Unit	\$ _____
4	110	134,870.00	CY EXCAVATION (ROADWAY) _____ DOLLARS and _____ CENTS per Unit	\$ _____
5	132	97,340.00	CY EMBANKMENT (FINAL)(DENS CONT)(TY C) _____ DOLLARS and _____ CENTS per Unit	\$ _____
6	160	184,265.00	SY FURNISHING AND PLACING TOPSOIL (4") _____ DOLLARS and _____ CENTS per Unit	\$ _____
7	162	19,877.00	SY BLOCK SODDING _____ DOLLARS and _____ CENTS per Unit	\$ _____
8	164	184,265.00	SY STRAW/HAY MLCH SEED(PERM)(URBAN)(CLAY) _____ DOLLARS and _____ CENTS per Unit	\$ _____
9	164	92,134.00	SY DRILL SEEDING (TEMP) (WARM) _____ DOLLARS and _____ CENTS per Unit	\$ _____

BID ITEM	DOT ITEM	APPROX QUANTITY	UNIT AND DESCRIPTION AND UNIT PRICE WRITTEN IN WORDS	TOTAL AMOUNT
10	164	92,134.00	SY DRILL SEEDING (TEMP) (COOL) _____ DOLLARS and _____ CENTS per Unit	\$ _____
11	168	499.20	MG VEGETATIVE WATERING _____ DOLLARS and _____ CENTS per Unit	\$ _____
12	247	19,146.00	SY FL BS (CMP IN PLC)(TY A GR 1) (6") _____ DOLLARS and _____ CENTS per Unit	\$ _____
13	260	19,146.00	SY LIME TRT (EXST MATL) (6") _____ DOLLARS and _____ CENTS per Unit	\$ _____
14	260	1,922.00	TON LIME (HYDRATED LIME (SLURRY)) _____ DOLLARS and _____ CENTS per Unit	\$ _____
15	260	92,636.00	SY LIME TRT (EXST MATL) (8") _____ DOLLARS and _____ CENTS per Unit	\$ _____
16	315	21,232.00	GAL FOG SEAL (SS-1) _____ DOLLARS and _____ CENTS per Unit	\$ _____
17	340	6,384.00	TON D-GR HMA(METH) TY-B PG64-22 _____ DOLLARS and _____ CENTS per Unit	\$ _____
18	340	18,049.00	TON D-GR HMA(METH) TY-B PG70-22 _____ DOLLARS and _____ CENTS per Unit	\$ _____

BID ITEM	TXDOT ITEM	APPROX. QUANTITY	UNIT AND DESCRIPTION AND UNIT PRICE WRITTEN IN WORDS	TOTAL AMOUNT
19	340	3,325.00	TON D-GR HMA(METH) TY-D SAC-B PG70-22 _____ DOLLARS and _____ CENTS per Unit	\$ _____
20	360	82,024.00	SY CONC PVMT (CONT REINF-CRCP)(8") _____ DOLLARS and _____ CENTS per Unit	\$ _____
21	416	28.00	LF DRILL SHAFT (SIGN MTS)(24 IN) _____ DOLLARS and _____ CENTS per Unit	\$ _____
22	432	567.00	CY RIPRAP (CONC)(5 IN) _____ DOLLARS and _____ CENTS per Unit	\$ _____
23	432	196.00	CY RIPRAP (MOW STRIP) (5 IN) _____ DOLLARS and _____ CENTS per Unit	\$ _____
24	496	218.00	LF REMOV STR (PIPE) _____ DOLLARS and _____ CENTS per Unit	\$ _____
25	496	12.00	EA REMOV STR (BUILDING) _____ DOLLARS and _____ CENTS per Unit	\$ _____
26	502	18.00	MO BARRICADES, SIGNS AND TRAFFIC HANDLING _____ DOLLARS and _____ CENTS per Unit	\$ _____
27	506	980.00	LF ROCK FILTER DAMS (INSTALL) (TY 2) _____ DOLLARS and _____ CENTS per Unit	\$ _____

BID ITEM	DDOT ITEM	APPROX QUANTITY	UNIT AND DESCRIPTION AND UNIT PRICE WRITTEN IN WORDS	TOTAL AMOUNT
28	506	140.00	LF ROCK FILTER DAMS (INSTALL) (TY 3) _____ DOLLARS and _____ CENTS per Unit	\$ _____
29	506	1,120.00	LF ROCK FILTER DAMS (REMOVE) _____ DOLLARS and _____ CENTS per Unit	\$ _____
30	506	7,700.00	SY CONSTRUCTION EXITS (INSTALL) (TY 1) _____ DOLLARS and _____ CENTS per Unit	\$ _____
31	506	7,700.00	SY CONSTRUCTION EXITS (REMOVE) _____ DOLLARS and _____ CENTS per Unit	\$ _____
32	506	20,170.00	LF TEMPORARY SEDIMENT CONTROL FENCE _____ DOLLARS and _____ CENTS per Unit	\$ _____
33	506	1,800.00	LF TEMP SDMT CONT FENCE (INLET PROTECT) _____ DOLLARS and _____ CENTS per Unit	\$ _____
34	508	643.00	SY CONSTRUCTING DETOURS _____ DOLLARS and _____ CENTS per Unit	\$ _____
35	512	4,170.00	LF PORT CTB (FUR & INST) (SAFETY SH) (TY 1) _____ DOLLARS and _____ CENTS per Unit	\$ _____
36	512	3,210.00	LF PORT CTB (MOVE) (SAFETY SH) (TY 1) _____ DOLLARS and _____ CENTS per Unit	\$ _____

BID ITEM	TXDOT ITEM	APPROX QUANTITY	UNIT AND DESCRIPTION AND UNIT PRICE WRITTEN IN WORDS	TOTAL AMOUNT
37	512	4,170.00	LF PORT CTB (REMOVE) (SAFETY SH) (TY 1) _____ DOLLARS and _____ CENTS per Unit	\$ _____
38	529	795.00	LF CONC CURB & GUTTER (TY II) _____ DOLLARS and _____ CENTS per Unit	\$ _____
39	529	47,784.00	LF CONC CURB (MONO) (TY II) _____ DOLLARS and _____ CENTS per Unit	\$ _____
40	530	1,361.00	SY DRIVEWAYS (ACP) _____ DOLLARS and _____ CENTS per Unit	\$ _____
41	540	2,100.00	LF MTL W-BEAM GD FEN (STEEL POST) _____ DOLLARS and _____ CENTS per Unit	\$ _____
42	540	4.00	EA MTL BEAM GD FENCE TRANS (THRIE) STL POST _____ DOLLARS and _____ CENTS per Unit	\$ _____
43	544	22.00	EA GDRAIL END TRT (INSTALL) (HBA POST) _____ DOLLARS and _____ CENTS per Unit	\$ _____
44	545	6.00	EA CRASH CUSH ATTEN (INSTL) _____ DOLLARS and _____ CENTS per Unit	\$ _____
45	545	4.00	EA CRASH CUSH ATTEN (MOVE & RESET) _____ DOLLARS and _____ CENTS per Unit	\$ _____

BID ITEM	TXDOT ITEM	APPROX QUANTITY	UNIT AND DESCRIPTION AND UNIT PRICE WRITTEN IN WORDS	TOTAL AMOUNT
46	545	6.00	EA CRASH CUSH ATTEN (REMOVE) _____ DOLLARS and _____ CENTS per Unit	\$ _____
47	552	39,286.00	LF WIRE FENCE (TY C) _____ DOLLARS and _____ CENTS per Unit	\$ _____
48	552	7,386.00	LF WIRE FENCE (TY D) _____ DOLLARS and _____ CENTS per Unit	\$ _____
49	552	5.00	EA GATE (TY 1) _____ DOLLARS and _____ CENTS per Unit	\$ _____
50	552	2.00	EA GATE (SPECIAL) _____ DOLLARS and _____ CENTS per Unit	\$ _____
51	636	217.50	SF ALUMINUM SIGNS (TY G) _____ DOLLARS and _____ CENTS per Unit	\$ _____
52	644	21.00	EA INS SM RD SN SUP&AM TY 10BWG(1) SA(T) _____ DOLLARS and _____ CENTS per Unit	\$ _____
53	644	4.00	EA INS SM RD SN SUP&AM TY 10BWG(1) SA(U) _____ DOLLARS and _____ CENTS per Unit	\$ _____
54	644	3.00	EA INS SM RD SN SUP&AM TY S80(1) SA(T) _____ DOLLARS and _____ CENTS per Unit	\$ _____

BID ITEM	TxDOT ITEM	APPROX QUANTITY	UNIT AND DESCRIPTION AND UNIT PRICE WRITTEN IN WORDS	TOTAL AMOUNT
55	644	3.00	EA INS SM RD SN SUP&AM TY S80(2)SA(P-EXAL _____ DOLLARS and _____ CENTS per Unit	\$ _____
56	644	30.00	EA INS SM RD SN SUP&AM TY TWT(1) UA(P) _____ DOLLARS and _____ CENTS per Unit	\$ _____
57	644	2.00	EA REMOVE SM RD SN SUP & AM _____ DOLLARS and _____ CENTS per Unit	\$ _____
58	647	1,073.20	LB INSTALL LRSS (STRUCT STEEL) _____ DOLLARS and _____ CENTS per Unit	\$ _____
59	658	37.00	EA INSTL DEL ASSM (D-DY) SZ 1 (RCR) GF2 _____ DOLLARS and _____ CENTS per Unit	\$ _____
60	658	50.00	EA INSTL OM ASSM (OM - 2Y) (WC) GND (BI) _____ DOLLARS and _____ CENTS per Unit	\$ _____
61	662	19,734.00	LF WK ZN PAV MRK REMOV (W) 4" (SLD) _____ DOLLARS and _____ CENTS per Unit	\$ _____
62	662	101.00	LF WK ZN PAV MRK REMOV (W) 24" (SLD) _____ DOLLARS and _____ CENTS per Unit	\$ _____
63	662	19,566.00	LF WK ZN PAV MRK REMOV (Y) 4" (SLD) _____ DOLLARS and _____ CENTS per Unit	\$ _____

BID ITEM	TxDOT ITEM	APPROX QUANTITY	UNIT AND DESCRIPTION AND UNIT PRICE WRITTEN IN WORDS	TOTAL AMOUNT
64	666	3.00	EA REFL PAV MRK TY I(W)(RR XING) (090MIL) _____ DOLLARS and _____ CENTS per Unit	\$ _____
65	668	23.00	EA PREFAB PAV MRK TY C (W) (ARROW) _____ DOLLARS and _____ CENTS per Unit	\$ _____
66	668	23.00	EA PREFAB PAV MRK TY C (W) (WORD) _____ DOLLARS and _____ CENTS per Unit	\$ _____
67	672	348.00	EA REFL PAV MRKR TY I-C _____ DOLLARS and _____ CENTS per Unit	\$ _____
68	672	838.00	EA REFL PAV MRKR TY II-A-A _____ DOLLARS and _____ CENTS per Unit	\$ _____
69	672	96.00	EA TRAFFIC BUTTON TY Y _____ DOLLARS and _____ CENTS per Unit	\$ _____
70	677	15,279.00	LF ELIM EXT PAV MRK & MRKS (4") _____ DOLLARS and _____ CENTS per Unit	\$ _____
71	677	128.00	LF ELIM EXT PAV MRK & MRKS (24") _____ DOLLARS and _____ CENTS per Unit	\$ _____
72	677	6.00	EA ELIM EXT PAV MRK & MRKS (36") (YLD TRI) _____ DOLLARS and _____ CENTS per Unit	\$ _____

BID ITEM	DOT ITEM	APPROX QUANTITY	UNIT AND DESCRIPTION AND UNIT PRICE WRITTEN IN WORDS	TOTAL AMOUNT
73	678	111,991.00	LF PAV SURF PREP FOR MRK (4") _____ DOLLARS and _____ CENTS per Unit	\$ _____
74	678	3,092.00	LF PAV SURF PREP FOR MRK (8") _____ DOLLARS and _____ CENTS per Unit	\$ _____
75	678	736.00	LF PAV SURF PREP FOR MRK (24") _____ DOLLARS and _____ CENTS per Unit	\$ _____
76	678	23.00	LF PAV SURF PREP FOR MRK (ARROW) _____ DOLLARS and _____ CENTS per Unit	\$ _____
77	678	3.00	EA PAV SURF PREP FOR MRK (RR XING) _____ DOLLARS and _____ CENTS per Unit	\$ _____
78	678	23.00	EA PAV SURF PREP FOR MRK (WORD) _____ DOLLARS and _____ CENTS per Unit	\$ _____
79	6110	55,548.00	LF REF PAV MRK TY I (W)(4") (SLD)(90 MIL) _____ DOLLARS and _____ CENTS per Unit	\$ _____
80	6110	3,436.00	LF REF PAV MRK TY I (W)(8") (SLD)(90 MIL) _____ DOLLARS and _____ CENTS per Unit	\$ _____
81	6110	56,443.00	LF REF PAV MRK TY I (Y)(4") (SLD)(90 MIL) _____ DOLLARS and _____ CENTS per Unit	\$ _____

BID ITEM	TxDOT ITEM	APPROX. QUANTITY	UNIT AND DESCRIPTION AND UNIT PRICE WRITTEN IN WORDS	TOTAL AMOUNT
82	6110	445.00	LF REF PAV MRK TY I (W)(24") (SLD)(90 MIL) _____ DOLLARS and _____ CENTS per Unit	\$ _____
83	6110	1,128.00	LF REF PAV MRK TY I (Y)(24") (SLD)(90 MIL) _____ DOLLARS and _____ CENTS per Unit	\$ _____
84	6110	55,548.00	LF REF PAV MRK TY II (W) 4" (SLD) _____ DOLLARS and _____ CENTS per Unit	\$ _____
85	6110	3,092.00	LF REF PAV MRK TY II (W) 8" (SLD) _____ DOLLARS and _____ CENTS per Unit	\$ _____
86	6110	445.00	LF REF PAV MRK TY II (W) 24" (SLD) _____ DOLLARS and _____ CENTS per Unit	\$ _____
87	6110	56,443.00	LF REF PAV MRK TY II (Y) 4" (SLD) _____ DOLLARS and _____ CENTS per Unit	\$ _____
88	6110	1,128.00	LF REF PAV MRK TY II (Y) 24" (SLD) _____ DOLLARS and _____ CENTS per Unit	\$ _____
89	110	23,444.00	CY EXCAVATION (CHANNEL) _____ DOLLARS and _____ CENTS per Unit	\$ _____
90	400	185.00	CY CEM STABIL BKFL _____ DOLLARS and _____ CENTS per Unit	\$ _____

BID ITEM	TxDOT ITEM	APPROX QUANTITY	UNIT AND DESCRIPTION AND UNIT PRICE WRITTEN IN WORDS	TOTAL AMOUNT
91	402	516.00	LF TRENCH EXCAVATION PROTECTION _____ DOLLARS and _____ CENTS per Unit	\$ _____
92	432	530.00	CY RIPRAP(STONE TY R) (DRY) (12 IN) _____ DOLLARS and _____ CENTS per Unit	\$ _____
93	432	3,381.00	CY RIPRAP(STONE TY R) (DRY) (24 IN) _____ DOLLARS and _____ CENTS per Unit	\$ _____
94	462	156.00	LF CONC BOX CULV (4 FT X 2 FT) _____ DOLLARS and _____ CENTS per Unit	\$ _____
95	462	79.00	LF CONC BOX CULV (4 FT X 3 FT) _____ DOLLARS and _____ CENTS per Unit	\$ _____
96	462	529.00	LF CONC BOX CULV (5 FT X 2 FT) _____ DOLLARS and _____ CENTS per Unit	\$ _____
97	462	226.00	LF CONC BOX CULV (5 FT X 3 FT) _____ DOLLARS and _____ CENTS per Unit	\$ _____
98	462	162.00	LF CONC BOX CULV (5 FT X 4 FT) _____ DOLLARS and _____ CENTS per Unit	\$ _____
99	462	75.00	LF CONC BOX CULV (6 FT X 4 FT) _____ DOLLARS and _____ CENTS per Unit	\$ _____

BID ITEM	TxDOT ITEM	APPROX QUANTITY	UNIT AND DESCRIPTION AND UNIT PRICE WRITTEN IN WORDS	TOTAL AMOUNT
100	462	286.00	LF CONC BOX CULV (7 FT X 3 FT) _____ DOLLARS and _____ CENTS per Unit	\$ _____
101	462	67.00	LF CONC BOX CULV (7 FT X 4 FT) _____ DOLLARS and _____ CENTS per Unit	\$ _____
102	462	84.00	LF CONC BOX CULV (9 FT X 5 FT) _____ DOLLARS and _____ CENTS per Unit	\$ _____
103	462	486.00	LF CONC BOX CULV (10 FT X 6 FT) _____ DOLLARS and _____ CENTS per Unit	\$ _____
104	462	160.00	LF CONC BOX CULV (10 FT X 8 FT) _____ DOLLARS and _____ CENTS per Unit	\$ _____
105	462	238.00	LF CONC BOX CULV (11 FT X 10 FT) _____ DOLLARS and _____ CENTS per Unit	\$ _____
106	464	3,452.00	LF RC PIPE (CL III) (18 IN) _____ DOLLARS and _____ CENTS per Unit	\$ _____
107	464	474.00	LF RC PIPE (CL III) (24 IN) _____ DOLLARS and _____ CENTS per Unit	\$ _____
108	464	335.00	LF RC PIPE (CL III) (30 IN) _____ DOLLARS and _____ CENTS per Unit	\$ _____

BID ITEM	TxDOT ITEM	APPROX QUANTITY	UNIT AND DESCRIPTION AND UNIT PRICE WRITTEN IN WORDS	TOTAL AMOUNT
109	465	47.00	EA INLET (COMPL) (TY C) _____ DOLLARS and _____ CENTS per Unit	\$ _____
110	465	7.00	EA INLET (COMPL) (TY H) _____ DOLLARS and _____ CENTS per Unit	\$ _____
111	465	62.00	EA INLET EXT (TY C) _____ DOLLARS and _____ CENTS per Unit	\$ _____
112	466	1.00	EA WINGWALL (SW - 0) (HW=3 FT) _____ DOLLARS and _____ CENTS per Unit	\$ _____
113	466	1.00	EA WINGWALL (SW - 0) (HW=4 FT) _____ DOLLARS and _____ CENTS per Unit	\$ _____
114	466	2.00	EA WINGWALL (FW - 0) (HW=4 FT) _____ DOLLARS and _____ CENTS per Unit	\$ _____
115	466	3.00	EA WINGWALL (FW - S) (HW=5 FT) _____ DOLLARS and _____ CENTS per Unit	\$ _____
116	466	1.00	EA WINGWALL (FW - S) (HW=6 FT) _____ DOLLARS and _____ CENTS per Unit	\$ _____
117	466	1.00	EA WINGWALL (FW - S) (HW=7 FT) _____ DOLLARS and _____ CENTS per Unit	\$ _____

BID ITEM	TxDOT ITEM	APPROX QUANTITY	UNIT AND DESCRIPTION AND UNIT PRICE WRITTEN IN WORDS	TOTAL AMOUNT
118	466	2.00	EA WINGWALL (FW - S) (HW=8 FT) _____ DOLLARS and _____ CENTS per Unit	\$ _____
119	466	2.00	EA WINGWALL (PW) (HW=4 FT) _____ DOLLARS and _____ CENTS per Unit	\$ _____
120	466	3.00	EA WINGWALL (PW) (HW=5 FT) _____ DOLLARS and _____ CENTS per Unit	\$ _____
121	466	2.00	EA WINGWALL (PW) (HW=6 FT) _____ DOLLARS and _____ CENTS per Unit	\$ _____
122	466	1.00	EA WINGWALL (PW) (HW=7 FT) _____ DOLLARS and _____ CENTS per Unit	\$ _____
123	466	1.00	EA WINGWALL (PW) (HW=8 FT) _____ DOLLARS and _____ CENTS per Unit	\$ _____
124	466	3.00	EA WINGWALL (PW) (HW=10 FT) _____ DOLLARS and _____ CENTS per Unit	\$ _____
125	466	1.00	EA WINGWALL (PW) (HW=11 FT) _____ DOLLARS and _____ CENTS per Unit	\$ _____
126	466	2.00	EA WINGWALL (PW) (HW=14 FT) _____ DOLLARS and _____ CENTS per Unit	\$ _____

BID ITEM	T&DOT ITEM	APPROX. QUANTITY	UNIT AND DESCRIPTION AND UNIT PRICE WRITTEN IN WORDS	TOTAL AMOUNT
127	467	4.00	EA SET (TY I) (S= 4 FT) (HW= 3 FT) (6:1) (P) _____ DOLLARS and _____ CENTS per Unit	\$ _____
128	467	10.00	EA SET (TY I) (S= 5 FT) (HW= 3 FT) (6:1) (P) _____ DOLLARS and _____ CENTS per Unit	\$ _____
129	467	2.00	EA SET (TY II) (24 IN) (RCP) (3:1) (C) _____ DOLLARS and _____ CENTS per Unit	\$ _____
130	467	1.00	EA SET (TY II) (30 IN) (RCP) (3:1) (C) _____ DOLLARS and _____ CENTS per Unit	\$ _____
131	467	47.00	EA SET (TY II) (18 IN) (RCP) (4:1) (C) _____ DOLLARS and _____ CENTS per Unit	\$ _____
132	467	3.00	EA SET (TY II) (24 IN) (RCP) (4:1) (C) _____ DOLLARS and _____ CENTS per Unit	\$ _____
133	467	4.00	EA SET (TY II) (30 IN) (RCP) (4:1) (C) _____ DOLLARS and _____ CENTS per Unit	\$ _____
134	467	4.00	EA SET (TY II) (18 IN) (RCP) (6:1) (P) _____ DOLLARS and _____ CENTS per Unit	\$ _____
135	467	2.00	EA SET (TY II) (24 IN) (RCP) (6:1) (P) _____ DOLLARS and _____ CENTS per Unit	\$ _____

BID ITEM	TxDOT ITEM	APPROX. QUANTITY	UNIT AND DESCRIPTION AND UNIT PRICE WRITTEN IN WORDS	TOTAL AMOUNT
136	416	112.00	LF DRILL SHAFT (18 IN) _____ DOLLARS and _____ CENTS per Unit	\$ _____
137	416	294.00	LF DRILL SHAFT (36 IN) _____ DOLLARS and _____ CENTS per Unit	\$ _____
138	420	47.00	CY CL C CONC (ABUT) _____ DOLLARS and _____ CENTS per Unit	\$ _____
139	420	38.00	CY CL C CONC (BENT) _____ DOLLARS and _____ CENTS per Unit	\$ _____
140	420	54.00	CY CL S CONC (APPR SLAB) _____ DOLLARS and _____ CENTS per Unit	\$ _____
141	422	5,250.00	SF REINF CONC SLAB _____ DOLLARS and _____ CENTS per Unit	\$ _____
142	425	694.00	LF PRESTR CONC GIRDER (TX40) _____ DOLLARS and _____ CENTS per Unit	\$ _____
143	428	544.00	SY CONC SURF TREAT (CLASS I) _____ DOLLARS and _____ CENTS per Unit	\$ _____
144	432	92.00	CY RIPRAP (CONC)(5 IN) _____ DOLLARS and _____ CENTS per Unit	\$ _____

BID ITEM	TxDOT ITEM	APPROX. QUANTITY	UNIT AND DESCRIPTION AND UNIT PRICE WRITTEN IN WORDS	TOTAL AMOUNT
145	432	541.00	CY RIPRAP (STONE PROTECTION) (18IN) _____ DOLLARS and _____ CENTS per Unit	\$ _____
146	450	410.00	LF RAIL (TY T221) _____ DOLLARS and _____ CENTS per Unit	\$ _____
147	454	52.00	LF ARMOR JOINT (WITH SEAL) _____ DOLLARS and _____ CENTS per Unit	\$ _____
148	500	1.00	LS MOBILIZATION (10%) _____ DOLLARS and _____ CENTS per Unit	\$ _____

TOTAL BID: \$ _____

TRAFFIC CONTROL PLAN SUMMARY											
SHEET	502	508	512	512	512	545	545	545	662	662	662
	2001	2002	2001	2019	2037	2001	2002	2003	2067	2079	2099
	BARRICADES, SIGNS AND TRAFFIC HANDLING	CONSTRUCTING DETOURS	PORT CTB (FUR & INST) (SAFETY SH) (TY 1)	PORT CTB (MOVE) (SAFETY SH) (TY 1)	PORT CTB (REMOVE) (SAFETY SH) (TY 1)	CRASH CUSH ATTEN (INSTL)	CRASH CUSH ATTEN (MOVE & RESET)	CRASH CUSH ATTEN (REMOVE)	WK ZN PAV MRK REMOV (W) 4" (SLD)	WK ZN PAV MRK REMOV (W) 24" (SLD)	WK ZN PAV MRK REMOV (Y) 4" (SLD)
MO	SY	LF	LF	LF	EA	EA	EA	LF	LF	LF	
CR 366 PHASE I STAGE IA											
SHEET 1 OF 1		643	240			2				22	
CR 366 PHASE I STAGE IB											
SHEET 1 OF 1			600				1		1898	28	1594
SH 5 PHASE I STAGE IB											
SHEET 1 OF 2			1470			1			2880		2932
SHEET 2 OF 2			1170			1			2340		2340
SH 121 PHASE I STAGE IB											
SHEET 1 OF 1			690			2			1540		1540
CR 366 PHASE I STAGE II											
SHEET 1 OF 1				630	210		1	1	2623	11	3030
SH 5 PHASE I STAGE II											
SHEET 1 OF 2				1410	1470		1	1	2946		2656
SHEET 2 OF 2				1170	1170		1	1	2394		2394
SH 121 PHASE I STAGE II & III											
SHEET 1 OF 1					690			2			
CR 366 PHASE I STAGE III											
SHEET 1 OF 1					630			1	3113	40	3080
PROJECT TOTAL	16	643	4170	3210	4170	6	4	6	19734	101	19566

NO.	DATE	REVISION	APPROV.
COLLIN COUNTY OUTER LOOP			
			
TRAFFIC CONTROL PLAN SUMMARY			
SHEET 1 OF 1			
			
<small>HNTB Corporation The HNTB Companies Engineers Architects Planners Fire Registration Number 420</small>			
BOND PROJECT NO. 07-094		SHEET 13	

ROADWAY SUMMARY																
TXDOT ITEM NO.	100 2002	247 2061	260 2006	260 2016	260 2027	315 2001	340 2011	340 2014	340 2120	360 2001	432 2040	529 2004	529 2006	540 2002	540 2019	544 2013
SHEET	PREPARING ROW	FL BS (CMP IN PLC)(TY A GR 1) (6")	LIME TRT (EXST MATL) (6")	LIME (HYD, COM, OR QK(SLURRY))	LIME TRT (EXST MATL) (8")	FOG SEAL (SS-1)	D-GR HMA(METH) TY-B PG64-22	D-GR HMA(METH) TY-B PG70-22	D-GR HMA(METH) TY-D SAC-B PG70-22	CONC PVMT (CONT REINF- CRCP)(8")	RIPRAP (MOW STRIP) (5 IN)	CONC CURB & GUTTER (TY II)	CONC CURB (MONO) (TY II)	MTL W- BEAM GD FEN (STEEL POST)	MTL BEAM GD FENCE TRANS (THRIE) STL POST	GDRAIL END TRT (INSTALL) (HBA POST)
	STA	SY	SY	TON	SY	GAL	TON	TON	TON	SY	CY	LF	LF	LF	EA	EA
Collin County Outer Loop Plan & Profile																
SHEET 1 OF 21	8.50	629	629	62	2976	864	190	588	56	2671	21	143	1372	250		2
SHEET 2 OF 21	12.00			84	4682	936		911		4143			2429			
SHEET 3 OF 21	12.00			65	3612	722		693		3149	35		2050	175	4	6
SHEET 4 OF 21	12.00			79	4400	880		851		3867			2400			
SHEET 5 OF 21	12.00			79	4400	880		851		3867			2400			
SHEET 6 OF 21	12.00			79	4400	880		851		3867	36		2400	400		4
SHEET 7 OF 21	10.00			66	3667	733		709		3222			2000			
SHEET 8 OF 21	12.00			105	5849	1170		1164		5291			2451			
SHEET 9 OF 21	12.00	7599	7599	186	4641	1157	2537	926	1467	4207		435	1998			
SHEET 10 OF 21	12.00			79	4400	880		851		3867			2400			
SHEET 11 OF 21	12.00			79	4400	880		851		3867	19		2400	225		2
SHEET 12 OF 21	12.00			79	4400	880		851		3867			2400			
SHEET 13 OF 21	12.00			79	4400	880		851		3867			2400			
SHEET 14 OF 21	12.00			89	4968	994		973		4423			2459			
SHEET 15 OF 21	12.00			91	5078	1016		1000		4544			2421			
SHEET 16 OF 21	12.00			82	4575	915		888		4037			2423			
SHEET 17 OF 21	12.00			92	5109	1022		1003		4559	15		2487	150		2
SHEET 18 OF 21	12.00			79	4400	880		851		3867	38		2400	575		2
SHEET 19 OF 21	12.00			80	4421	884		855		3885			2434			
SHEET 20 OF 21	12.00			80	4442	888		859		3904	32		2423	325		4
SHEET 21 OF 21	9.32	766	766	72	3416	860	240	672	74	3053		217	1637			
CR 366																
SHEET 1 OF 1		739	739	10		148	255		76							
CR 385																
SHEET 1 OF 1		578	578	8		116	199		59							
SH 5																
SHEET 1 OF 2		5053	5053	68		1011	1701		923							
SHEET 2 OF 2		2546	2546	34		509	836		544							
CR 418																
SHEET 1 OF 1		776	776	10		155	268		79							
CR 419																
SHEET 1 OF 1		460	460	6		92	158		47							
TOTAL	244	19146	19146	1922	92636	21232	6384	18049	3325	82024	196	795	47784	2100	4	22

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NO.	DATE	REVISION	APPROV.
COLLIN COUNTY OUTER LOOP			
			
ROADWAY SUMMARY			
SHEET 1 OF 1			
			
<small>HNTB Corporation The HNTB Companies Engineers Architects Planners Firm Registration Number 420</small>			
BOND PROJECT NO. 07-094		SHEET 14	

BRIDGE SUMMARY												
	416	416	420	420	420	422	425	428	432	432	450	454
	2001	2004	2003	2004	2033	2001	2066	2001	2002	2021	2080	2005
	DRILL SHAFT (18 IN)	DRILL SHAFT (36 IN)	CL C CONC (ABUT)	CL C CONC (BENT)	CL S CONC (APPR SLAB)	REINF CONC SLAB	PRESTR CONC GIRDER (TX40)	CONC SURF TREAT (CLASS I)	RIPRAP (CONC)(5 IN)	RIPRAP (STONE PROTECTIO N) (18IN)	RAIL (TY T221)	ARMOR JOINT (WITH SEAL)
	LF	LF	CY	CY	CY	SF	LF	SY	CY	CY	LF	LF
Collin County Outer Loop Slayter Creek Bridge												
	112	294	47.0	37.6	53.6	5,250	694.00	544	92.3	540.7	410.0	52
SLAYTER CREEK BRIDGE TOTAL	112	294	47.0	37.6	53.6	5,250	694.00	544	92.3	540.7	410.0	52

NO.	DATE	REVISION	APPROV.
COLLIN COUNTY OUTER LOOP			
			
SUMMARY OF BRIDGE QUANTITIES			
SHEET 1 OF 1			
			
HNTB Corporation The HNTB Companies Engineers, Architects, Planners Fire Registration Number 420			
BOND PROJECT NO. 07-094		SHEET 22	

STORM WATER POLLUTION PREVENTION PLAN SUMMARY												
SHEET	160	164	164	164	168	506	506	506	506	506	506	506
	2003	2019	2041	2043	2001	2002	2003	2009	2016	2019	2034	2041
	FURNISHING AND PLACING TOPSOIL (4") SY	STRAW/HAY MLCH SEED(PERM) (URBAN)(CLAY) SY	DRILL SEEDING (TEMP) (WARM) SY	DRILL SEEDING (TEMP) (COOL) SY	VEGETATIVE WATERING MG	ROCK FILTER DAMS (INSTALL) (TY 2) LF	ROCK FILTER DAMS (INSTALL) (TY 3) LF	ROCK FILTER DAMS (REMOVE) LF	CONSTRUCTION EXITS (INSTALL) (TY 1) SY	CONSTRUCTION EXITS (REMOVE) SY	TEMPORARY SEDIMENT CONTROL FENCE LF	TEMP SDMT CONT FENCE (INLET PROTECT) LF
TCP PHASE 1												
SHEET 1 OF 6	36,399	36,399	18200	18200	98.6	60	60	120	1400	1400	4410	310
SHEET 2 OF 6	39,322	39322	19661	19661	106.5	200		200	1400	1400	3245	400
SHEET 3 OF 6	33,317	33317	16659	16659	90.2	240	60	300	1400	1400	2290	280
SHEET 4 OF 6	25,937	25937	12969	12969	70.3	120		120	1400	1400	6065	350
SHEET 5 OF 6	36,366	36366	18183	18183	98.5	260	20	280	1400	1400	3265	380
SHEET 6 OF 6	7,268	7268	3634	3634	19.7	60		60	700	700	895	80
SH 5 - SHEET 1 OF 1	5,656	5656	2828	2828	15.4	40		40				
PROJECT TOTAL	184,265	184,265	92,134	92,134	499	980	140	1,120	7,700	7,700	20,170	1,800

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NO.	DATE	REVISION	APPROV.
COLLIN COUNTY OUTER LOOP			
			
SUMMARY OF SWPPP QUANTITIES			
SHEET 1 OF 1			
			
HNTB Corporation The HNTB Companies Engineers Architects Planners Firm Registration Number 420			
BOND PROJECT NO. 07-094		SHEET 28	

TRAFFIC CONTROL NARRATIVE

PHASE 1 STAGE 1A:

CONSTRUCTION: INSTALL DRUMS BEFORE WORK BEGINS ADJACENT TO TRAFFIC. CONSTRUCT TEMPORARY PAVEMENT NEXT TO EXISTING CR 366 TRAFFIC USING SHOULDER CLOSURES PER TCP (2-1)-98. CONSTRUCT FULL DEPTH HMA AT NB US 75 FRONTAGE RD. BEGIN EARTHWORK, GRADING, CONSTRUCT CULVERTS, AND STORM SEWERS.

TRAFFIC: EXISTING CR 366 TRAFFIC SHALL OPERATE ON REDUCED LANES ON EXISTING PAVEMENT.

PHASE 1 STAGE 1B:

CONSTRUCTION: INSTALL PCTB BEFORE WORK BEGINS ADJACENT TO CR 366 TRAFFIC. CONSTRUCT CCOL ACCESS RD AS SHOWN ON THE PLANS. CONSTRUCT CR 365 INTERSECTION AS SHOWN ON PLANS. CONSTRUCT WEST SIDE OF SH 5 TIE IN AND SH 121 TIE IN TO EXISTING PAVEMENT. CONSTRUCTION OF DART/DGNO RAILROAD BY OTHERS AS SHOWN ON PLANS.

TRAFFIC: EXISTING WB CR 366 TRAFFIC OPERATES PARTIALLY ON TEMPORARY PAVEMENT WITH SHOULDER CLOSURES AND REDUCED LANES. EXISTING EB CR 366 TRAFFIC WILL OPERATE ON EXISTING WB CR 366 PAVEMENT. SH 5 AND SH 121 REMAINS OPERATIONAL WITH SB SHOULDER CLOSURE. EXISTING NB US 75 FRONTAGE RD REMAINS OPERATIONAL. MAINTAIN 2 LANES OF TRAFFIC ON NB/SB US 75 FRONTAGE RD, SH 5, AND SH 121 AS SHOWN ON PLANS. UTILIZE SHORT TERM ONE-WAY TRAFFIC CONTROL FROM 9 AM TO 3 PM MONDAY TO FRIDAY PER TCP (2-2)-03 ON CR 366 FOR FULL DEPTH HMA PLACEMENT AT TIE-IN SECTION TO EXISTING PAVEMENT AND REOPEN TO TRAFFIC DURING OFF HOURS.

PHASE 1 STAGE 2:

CONSTRUCTION: COMPLETE TIE IN PORTION OF CCOL ACCESS RD AS SHOWN ON PLANS TO EXISTING NB US 75 FRONTAGE RD. CONSTRUCT EAST SIDE OF SH 5 TIE IN TO EXISTING PAVEMENT.

TRAFFIC: EB CR 366 TRAFFIC OPERATES ON PROPOSED CCOL ACCESS RD WITH SHOULDER CLOSURES AND DETOUR AT THE PROPOSED INTERSECTION OF CCOL ACCESS RD AND PROP CR 366 TO EXIST CR 366. WB CR 366 REMAINS OPERATIONAL WITH TRAFFIC SHIFTED ONTO PREVIOUSLY BUILT TEMPORARY RAMP PAVEMENT. NB US 75 FRONTAGE RD AND SH 5 REMAIN OPERATIONAL WITH NARROWED LANES, AS SHOWN IN PLANS.

PHASE 1 STAGE 3:

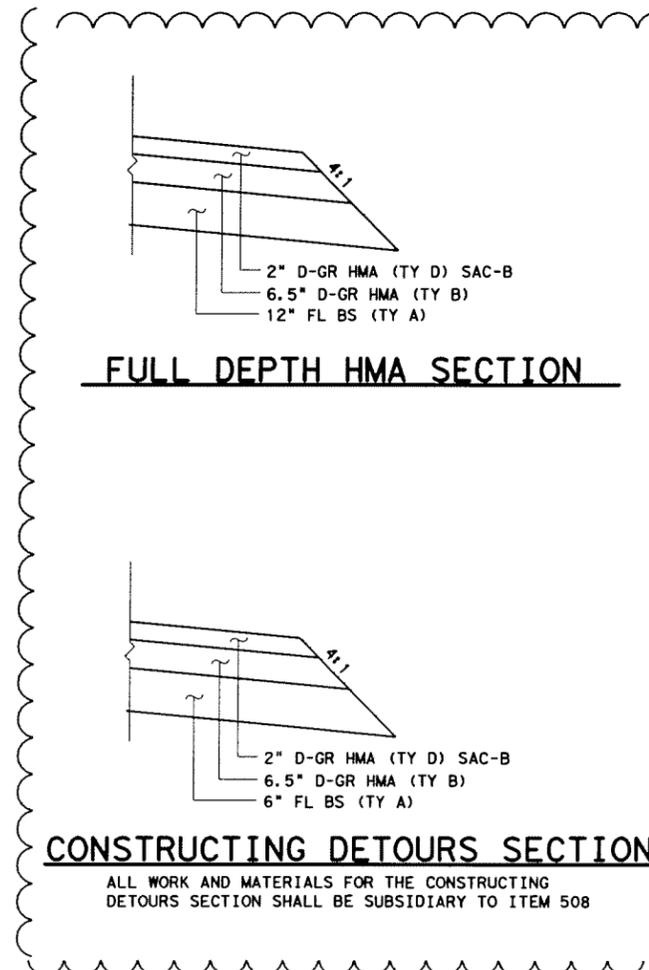
CONSTRUCTION: REMOVE TEMPORARY PAVEMENT. COMPLETE SIGNING AND STRIPING. COMPLETE CR 365, CR 418, AND CR 419 INTERSECTION CONSTRUCTION AS SHOWN IN THE PLANS AND REMOVE THE DETOUR AND OPEN TO TRAFFIC.

FINAL STEP:

CONTRACTOR TO COMPLETE PAVING SEAL COAT AT INTERSECTIONS OF NB US 75 FRONTAGE RD, SH 5, AND SH 121. PLACE PERMANENT PAVEMENT MARKINGS AS SHOWN ON THE PLANS. OPEN CCOL ACCESS RD TO TRAFFIC.

GENERAL NOTES:

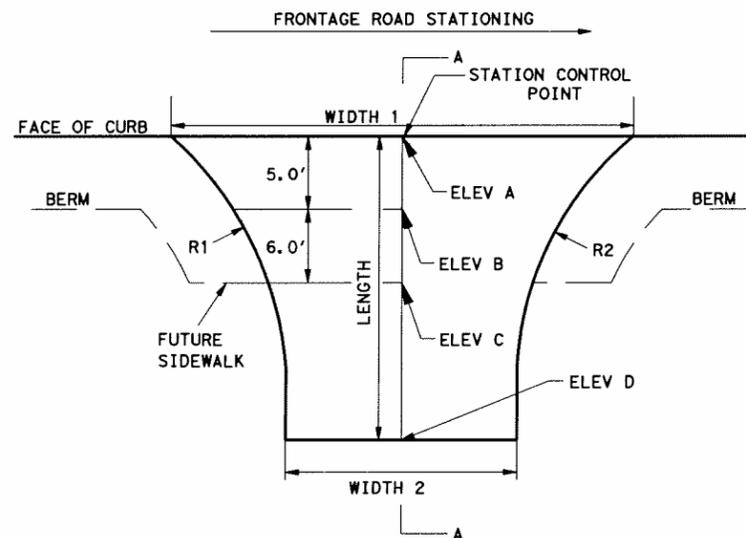
- 1) CONTRACTOR TO PROVIDE ALL ADVANCE WARNING SIGNS PER TXDOT STANDARD BC(2)-07 FOR THE PROJECT LIMITS. ALL BARRICADES TO INCLUDE ROAD CLOSED SIGNS AS SPECIFIED PER TXDOT BC(10)-07 STANDARD.
- 2) CONTRACTOR WILL MAINTAIN ACCESS TO ALL DRIVEWAYS AND SIDE STREETS DURING ALL PHASES OF CONSTRUCTION.
- 3) CONTRACTOR SHALL MAINTAIN DRAINAGE DURING CONSTRUCTION ACTIVITIES.
- 4) CONFLICTING SIGNS SHALL BE COVERED OR REMOVED.
- 5) THE FOLLOWING SEQUENCE OF CONSTRUCTION AND TRAFFIC CONTROL PLANS (TCP) DEPICT A PHASING THAT MEETS TRAFFIC, SAFETY AND OPERATIONAL NEEDS. ADDITIONAL PHASING OR ADJUSTMENTS TO THE TCP MAY BE PROPOSED BY THE CONTRACTOR AND IMPLEMENTED AS APPROVED BY THE ENGINEER.
- 6) CONTRACTOR SHALL STAGE CONSTRUCTION TO MINIMIZE THE CLOSURE AND DETOUR TIME FOR CR 365, CR 418, AND CR 419. CR 418 AND CR 419 SHALL NOT BE CLOSED AT THE SAME TIME.
- 7) CONTRACTOR TO PROVIDE ALL ADEQUATE WARNING SIGNS FOR ALL OVER HEAD TRANSMISSION LINE CROSSING CCOL ACCESS RD PRIOR TO CONSTRUCTION.
- 8) CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION WITHIN THE DART/DGNO ROW.
- 9) CONTRACTOR TO PROVIDE CHANGEABLE MESSAGE BOARD WITH DETOUR DIRECTIONAL INFORMATION.



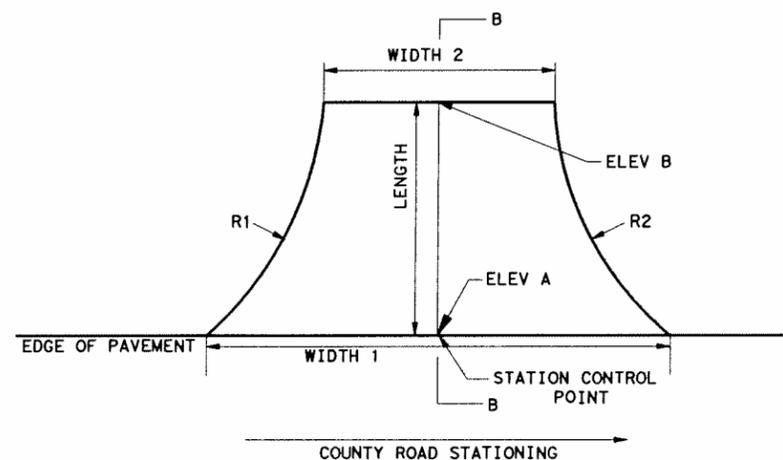
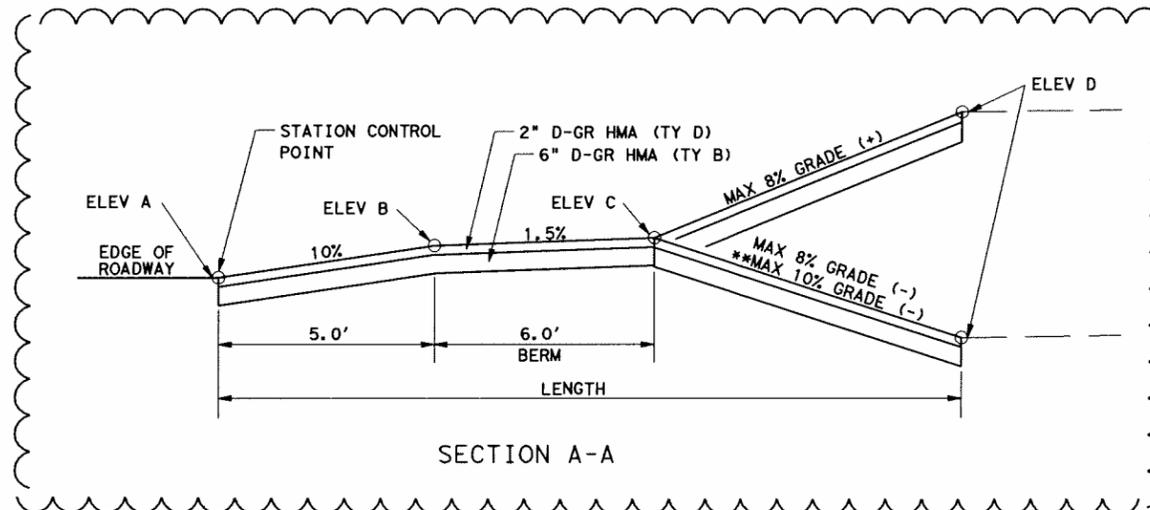
NO.	DATE	REVISION	APPROV.
COLLIN COUNTY OUTER LOOP			
 COLLIN COUNTY			
TRAFFIC CONTROL PLANS NARRATIVE			
SHEET 1 OF 1			
 HNTB Corporation The HNTB Companies Engineers Architects Planners Firm Registration Number 420			
BOND PROJECT NO. 07-094		SHEET 30	

DRIVEWAY DETAILS & SUMMARY														
SHEET	LOCATION (STA)	EXIST TYPE	WIDTH 1	WIDTH 2	LENGTH	R1	R2	ELEV A	ELEV B	ELEV C	ELEV D	GRADE	DRIVEWAY AREA*	530
														2011
													DRIVEWAYS (ACP)	
													SY	
CCOL ACCESS ROAD														
**SHEET 9 OF 21	CCOL 108+79.97		24.00	14.00	47.00	5	5	707.35	707.85	707.94	704.34	-10.00%	74	74
**SHEET 9 OF 21	CCOL 108+97.33		24.00	14.00	45.00	5	5	707.29	707.79	707.88	704.49	-9.98%	71	71
SHEET 15 OF 21	CCOL 177+18.45	ACP	138.65	36.85	64.25	50	50	705.61	706.11	706.20	706.33	0.24%	375	375
SHEET 15 OF 21	CCOL 182+50.00		138.65	36.00	50.89	50	50	707.61	708.11	708.20	705.41	-6.99%	328	328
SHEET 19 OF 21	CCOL 234+69.92	ACP	135.00	28.00	78.88	50	50	647.98	648.48	648.57	648.15	-0.62%	403	403
CR 365														
SHEET 1 OF 1	CR 365 15+45.10	ACP	43.81	15.00	35.50	15	15	706.74	703.19	-	-	-10.00%	70	70
CR 418														
SHEET 1 OF 1	CR 418 15+96.18	ACP	45.14	15.00	15.25	50	50	706.94	705.72	-	-	-8.00%	40	40
TOTAL													1361	1361

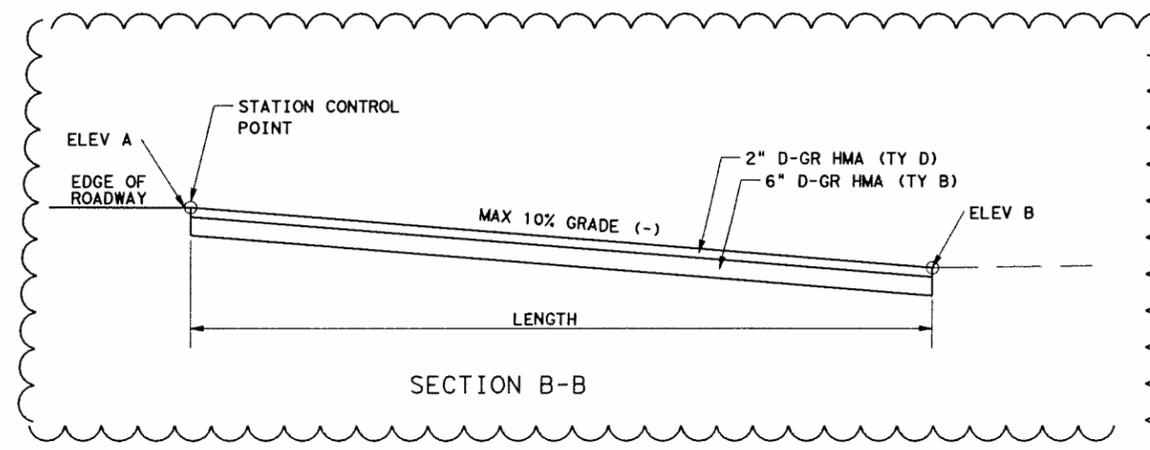
* FOR CONTRACTOR'S INFORMATION ONLY
 ** RAILROAD SERVICE ACCESS



CCOL ACCESS ROAD DRIVEWAY DETAIL



COUNTY ROAD DRIVEWAY DETAIL

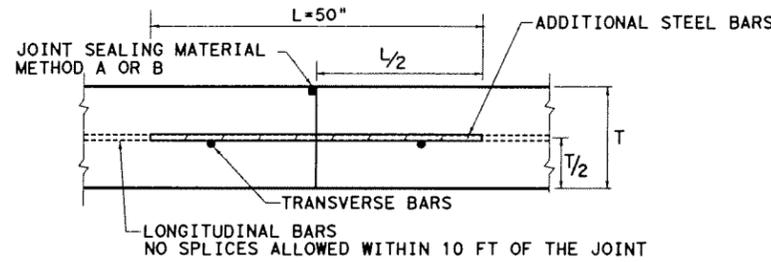
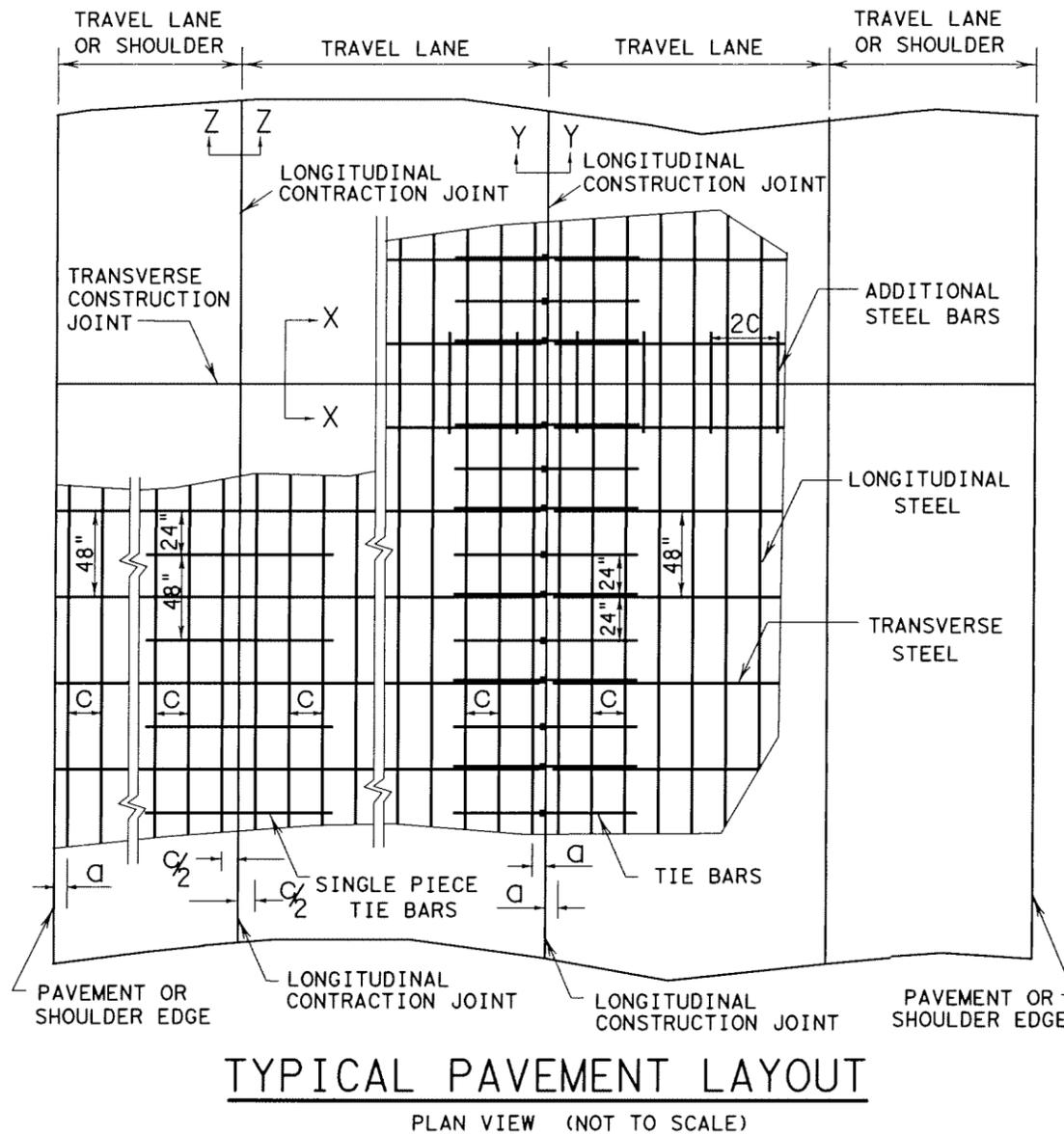


NO.	DATE	REVISION	APPROV.
COLLIN COUNTY OUTER LOOP			
			
DRIVEWAY DETAILS			
SHEET 1 OF 1			
			
<small>HNTB Corporation The HNTB Companies Engineers Architects Planners Firm Registration Number 420</small>			
BOND PROJECT NO. 07-094		SHEET 100	

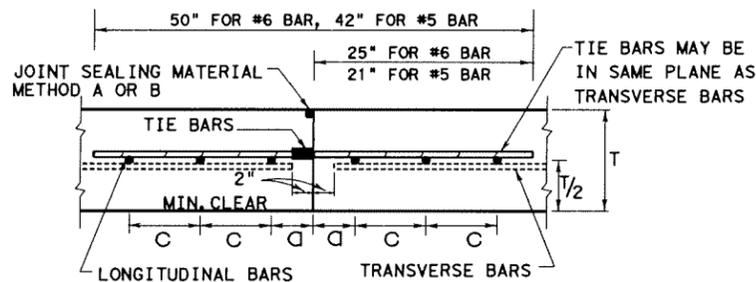
GENERAL NOTES

1. DETAILS FOR PAVEMENT WIDTH, PAVEMENT THICKNESS AND THE CROWN CROSS-SLOPE SHALL BE SHOWN ELSEWHERE IN THE PLANS. PAVEMENTS WIDER THAN 100 FT. WITHOUT A FREE LONGITUDINAL JOINT, ARE NOT COVERED BY THIS STANDARD.
2. THE DETAIL FOR THE JOINT SEALANT AND RESERVOIR IS SHOWN ON STANDARD SHEET "CONCRETE PAVING DETAILS, JOINT SEALS."
3. ALL THE REINFORCING STEEL AND TIE BARS SHALL BE DEFORMED STEEL BARS CONFORMING TO ASTM A 615 (GRADE 60) OR ASTM A 996 (GRADE 60). STEEL BAR SIZES SHALL CONFORM TO TABLE NO. 1 & 2.
4. STEEL BAR PLACEMENT TOLERANCE SHALL BE +/- 1 IN. HORIZONTALLY AND +/- 0.5 IN. VERTICALLY. CALCULATED AVERAGE BAR SPACING (CONCRETE PLACEMENT WIDTH / NUMBER OF LONGITUDINAL BARS) SHALL CONFORM TO TABLE NO.1 AND AS SPECIFIED.
5. PAVEMENT WIDTHS OF MORE THAN 15 FT. SHALL HAVE A LONGITUDINAL JOINT (SECTION Z-Z OR SECTION Y-Y). THESE JOINTS SHALL BE LOCATED WITHIN 6 IN. OF THE LANE LINE UNLESS THE JOINT LOCATION IS SHOWN ELSEWHERE ON THE PLANS.
6. THE SAW CUT DEPTH FOR THE LONGITUDINAL CONTRACTION JOINT SHALL BE ONE THIRD OF THE SLAB THICKNESS.
7. WHEN APPROVED BY THE ENGINEER, SINGLE PIECE TIE BARS MAY BE USED BY INSERTING INTO PLASTIC CONCRETE AT LONGITUDINAL CONTRACTION JOINTS.
8. WHEN TYING CONCRETE GUTTER AT A LONGITUDINAL JOINT, THE TIE BAR LENGTH OR POSITION MAY BE ADJUSTED. PROVIDE 3 IN. OF CONCRETE COVER FROM THE BACK OF GUTTER TO THE END OF TIE BAR.
9. MISSING OR DAMAGED TIE BARS SHALL BE REPLACED BY DRILLING AND EPOXY GROUTING AT THE CONTRACTOR'S EXPENSE.
10. OMIT TIE BARS LOCATED WITHIN 18 IN. OF THE TRANSVERSE CONSTRUCTION JOINTS. USE HAND-OPERATED IMMERSION VIBRATORS TO CONSOLIDATE THE CONCRETE ADJACENT TO ALL FORMED JOINTS.
11. OBTAIN THE ENGINEER'S WRITTEN APPROVAL, IF THE CONCRETE MIX DESIGN USES MORE THAN 5.5 SACKS/CY.

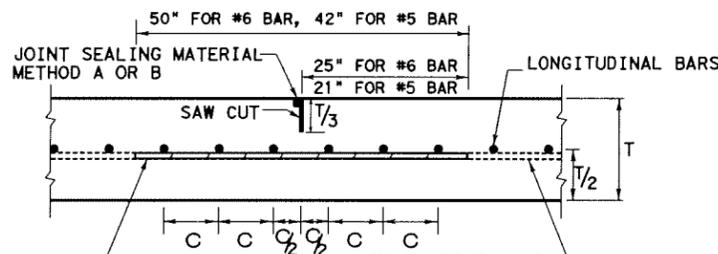
SLAB THICKNESS (IN.)	TRANSVERSE STEEL		TIE BARS AT LONGITUDINAL CONTRACTION JOINT		TIE BARS AT LONGITUDINAL CONSTRUCTION JOINT	
	BAR SIZE	SPACING (IN.)	BAR SIZE	SPACING (IN.)	BAR SIZE	SPACING (IN.)
6.0 - 7.5	#5	48	#5	48	#5	24
8.0 - 13.0	#5	48	#6	48	#6	24



TRANSVERSE CONSTRUCTION JOINT SECTION X - X

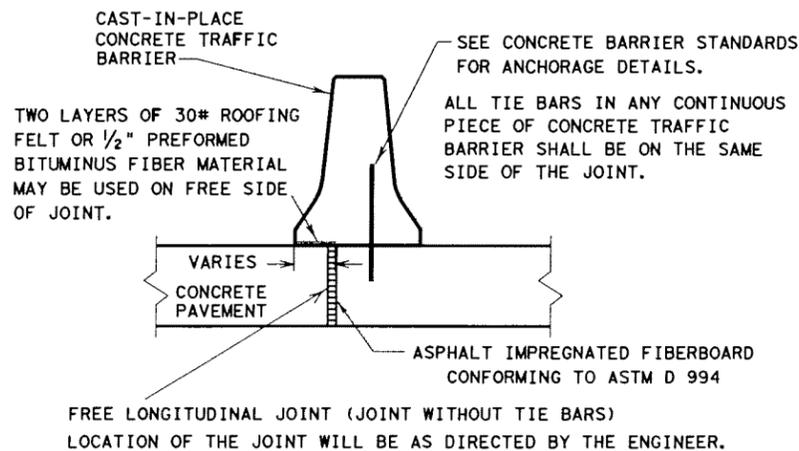


LONGITUDINAL CONSTRUCTION JOINT SECTION Y - Y



LONGITUDINAL CONTRACTION JOINT SECTION Z - Z

SINGLE PIECE TIE BARS SHOULD BE IN SAME PLANE AS TRANSVERSE BARS FOR 6.0 IN. TO 9.5 IN. SLABS. MAY BE PLACED ABOVE LONGITUDINAL BARS FOR 10.0 IN. TO 13.0 IN. SLABS.



FREE LONGITUDINAL JOINT DETAIL

SLAB THICKNESS AND BAR SIZE	REGULAR STEEL BARS	FIRST SPACING AT EDGE OR JOINT		ADDITIONAL STEEL BARS AT TRANSVERSE CONSTRUCTION JOINT	
		SPACING C (IN.)	SPACING a (IN.)	SPACING 2 x c (IN.)	LENGTH L (IN.)
6.0 #5	7.5	3 TO 4	15	50	
6.5 #5	7.0	3 TO 4	14	50	
7.0 #5	6.5	3 TO 4	13	50	
7.5 #5	6.0	3 TO 4	12	50	
8.0 #6	9.0	3 TO 4	18	50	
8.5 #6	8.5	3 TO 4	17	50	
9.0 #6	8.0	3 TO 4	16	50	
9.5 #6	7.5	3 TO 4	15	50	

SLAB THICKNESS AND BAR SIZE	REGULAR STEEL BARS	FIRST SPACING AT EDGE OR JOINT		ADDITIONAL STEEL BARS AT TRANSVERSE CONSTRUCTION JOINT	
		SPACING C (IN.)	SPACING a (IN.)	SPACING 2 x c (IN.)	LENGTH L (IN.)
10.0 #6	7.0	3 TO 4	14	50	
10.5 #6	6.75	3 TO 4	13.5	50	
11.0 #6	6.5	3 TO 4	13	50	
11.5 #6	6.25	3 TO 4	12.5	50	
12.0 #6	6.0	3 TO 4	12	50	
12.5 #6	5.75	3 TO 4	11.5	50	
13.0 #6	5.5	3 TO 4	11	50	

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

FILE: CRCP109.DGN

LEVELS DISPLAYED

Texas Department of Transportation
Construction Division (Pavements)

CONTINUOUSLY REINFORCED CONCRETE PAVEMENT
ONE LAYER STEEL BAR PLACEMENT
T - 6 to 13 INCHES

CRCP (1) - 09

© TxDOT NOV. 2009	DR - TxDOT	CHK - TxDOT	DES - HC	DES - LL	SHEET
MODIFICATIONS	DISTRICT	FEDERAL AID PROJECT		109	
COUNTY	CONTROL SECTION	JOB	HIGHWAY		

Question and Answers for Bid #06292-10 - Construction, Road: Outer Loop Access Road, US 75 to SH 121

Question 1

The proposed typical sections call for 8" Reinforced Concrete. The standard given for the paving is Pg. 108 CPCD-94. Can you clarify which one is to be used? **(Submitted: Sep 27, 2010 8:57:42 AM CDT)**

Answer

- The contractor should use the Standard CPCD-94 on PG 108 for concrete paving. The proposed CPCD-94 pavement is not continually reinforced but is reinforced at the edges of the panels. **(Answered: Sep 28, 2010 1:37:14 PM CDT)**

Question 2

what is the engineers estimate? **(Submitted: Sep 27, 2010 2:54:12 PM CDT)**

Answer

- 12,000,000 **(Answered: Sep 28, 2010 1:37:14 PM CDT)**

Question 3

The policy limits required for the Owners Protective Policy are very high compared to other jurisdictions. In fact our main insurer is indicating that we must get supplemental coverage to get the the \$ 15,000,000 limit indicated in the proposal. Is that what the Tollroad Authority wants? **(Submitted: Sep 27, 2010 3:05:59 PM CDT)**

Answer

- We are currently researching. **(Answered: Oct 5, 2010 4:44:31 PM CDT)**

Question 4

Are the Clearing & Grubbing Limits the same as the Cut/Fill Limits as shown on the SWPPP drawings? **(Submitted: Sep 28, 2010 3:45:41 PM CDT)**

Answer

- See Sheet 6, Proposed Typical Section, for limits of Preparing ROW. On the side of the Centerline Future CCOL the limit shall be 5 ft beyond the cut/fill limits shown on the SWPPP sheets. **(Answered: Oct 1, 2010 3:05:31 PM CDT)**

Question 5

The quantity for Precast Traffic Barrier (PCTB) seems to be more than what is stated on sheet 13(Traffic Control Summary). SH 5 Traffic Control Drawings 33-34 Phase 1 Stage 1B and Drawing 37-38 Phase 1 Stage II show more than 420ft. Please Verify? **(Submitted: Sep 28, 2010 3:48:59 PM CDT)**

Answer

- The PCTB quantities at SH 5 have been checked and revised. An addendum will be issued to correct the quantities. **(Answered: Oct 1, 2010 3:05:31 PM CDT)**

Question 6

Bridge Summary for CL C Concrete Bents quantity appears to be high. Pleas Verify? **(Submitted: Sep 28, 2010 3:49:55 PM CDT)**

Answer

- The CL C Concrete Bent quantity should be 37.6 CY. An addendum will be issued to correct the quantities. **(Answered: Oct 1, 2010 3:05:31 PM CDT)**

Question 7

Is the Reinforcing Steel for the Bridge Deck to be Epoxy Coated or Uncoated? **(Submitted: Sep 28, 2010 3:53:25 PM CDT)**

Answer

- The reinforcing steel for the bridge deck shall be epoxy coated. **(Answered: Oct 1, 2010 3:05:31 PM CDT)**

Question 8

There is no bid item for Field Office and Laboratory for this project. (Item 504) Will there be any Contractor Required Facilities for the project? **(Submitted: Sep 28, 2010 3:58:18 PM CDT)**

Answer

- No Contractor Required Facilities are included in the project. **(Answered: Oct 1, 2010 3:05:31 PM CDT)**

Question 9

Is a Computer Generated Bid Form allowed to be turned in as a Hard Copy? (Submitted: Sep 28, 2010 4:00:00 PM CDT)

Answer

- A computer generated bid schedule will be accepted but it must be in the same format and order as the forms in the spec book for consistency. Bidder will still need to complete and sign the bid form as presented in the spec book. (Answered: Oct 5, 2010 4:44:08 PM CDT)

Question 10

The channel slope ratio is needed to figure the length of the wingwalls at the box culverts. Please provide this information. (Submitted: Oct 5, 2010 9:34:51 AM CDT)

Answer

- For channel side slope ratios at culvert wingwalls refer to the Box Culvert Supplement sheet, Page 167. (Answered: Oct 5, 2010 1:17:45 PM CDT)

Question 11

1) Is the Bid Item 506 for Inlet Protection paid per EACH or by LF. (Submitted: Oct 5, 2010 4:36:30 PM CDT)

Answer

- Silt Fence for Inlet Sediment Traps shall be paid for by LF. An addendum will be issued to correct the quantity sheet. (Answered: Oct 5, 2010 4:37:23 PM CDT)

Question 12

2) How much would it cost the contractor to pay DART for providing a "Railroad Flagger"? (Submitted: Oct 5, 2010 4:36:58 PM CDT)

Answer

- The Railroad Flagger Services will be billed by the Railroad directly to Collin County. The item will be removed from the bid quantities with an addendum. (Answered: Oct 5, 2010 4:37:23 PM CDT)

Question 13

can they provide a time determination schedule (Submitted: Oct 5, 2010 5:14:21 PM CDT)

Question 14

Is it possible to obtain electronic earth data in a .XSR format (Submitted: Oct 5, 2010 5:16:01 PM CDT)

Answer

- The earthwork data in .XSR format will be available on the BidSync website or upon request from HNTB. (Answered: Oct 8, 2010 3:08:48 PM CDT)

Question 15

Will they accept an excel spreadsheet (form that we use for TXDOT projects) to be submitted with the bid documents (Submitted: Oct 5, 2010 5:18:18 PM CDT)

Answer

- Please see answer to question 9. (Answered: Oct 8, 2010 3:08:48 PM CDT)

Question 16

Is there a separate form that is required to be submitted to comply with "Bidder's Qualifications" (Submitted: Oct 5, 2010 5:20:24 PM CDT)

Answer

- Please elaborate. (Answered: Oct 8, 2010 3:08:48 PM CDT)

Question 17

ITEM 495-REMOVE STR(BUILDING) 12EA.Please provide additional information related to this item, If hazardous materials are encountered,who is responsible for handling those. (Submitted: Oct 5, 2010 5:23:44 PM CDT)

Question 18

Is it possible to get a copy of the geotech report? (Submitted: Oct 6, 2010 1:02:08 PM CDT)

Answer

- A copy of the Geotech Report will be available on the BidSync website on Friday. (Answered: Oct 8, 2010 8:11:28 AM CDT)

Question 19

The item 247 spec is Type A Gr 4 which is "as shown on the plans". I don't see on the plans where the specifications for the Flex base are. Can you clarify? Also can Type D be substituted in lieu of Type A? **(Submitted: Oct 7, 2010 9:15:57 AM CDT)**

Answer

- Item 247 for Flex Base will be revised to Type A GR 1 in an addendum. Type D material will not be allowed to be substituted. **(Answered: Oct 8, 2010 8:11:27 AM CDT)**

Question 20

The plan sheets show numerous soil boring locations, but they have not provided us with the bore logs... please provide bore log data **(Submitted: Oct 7, 2010 10:36:12 AM CDT)**

Answer

- A copy of the Geotech Report with the Bore Logs is available on the BidSync website or upon request from HNTB. **(Answered: Oct 8, 2010 3:08:48 PM CDT)**

Question 21

How is the full depth HMA section to be paid? Notes call for Type "B" Level Up and Type "C" 64-22 to be paid as Items 341. There are no items 341. **(Submitted: Oct 7, 2010 11:39:02 AM CDT)**

Answer

- Full Depth HMA Section has been revised and a new sheet will be included in the addendum. **(Answered: Oct 8, 2010 3:08:48 PM CDT)**

Question 22

Please provide cross sections for detour paving and driveway paving. **(Submitted: Oct 7, 2010 11:39:47 AM CDT)**

Answer

- The cross sections for the detour paving and driveway paving have been provided on the Traffic Control Narrative and Driveway Details sheets respectively in Addendum #1. **(Answered: Oct 8, 2010 3:08:48 PM CDT)**

Question 23

Bid item 140, CL C CONC APPRO SLABS indicates using Class C concrete. The BAS-C plan calls for Class S concrete. Which is correct? **(Submitted: Oct 7, 2010 11:50:43 AM CDT)**

Answer

- Bid Item 140 will be revised to show CL S CONC APPRO SLABS in an addendum. **(Answered: Oct 8, 2010 3:08:48 PM CDT)**

Question 24

Please verify/confirm the answer to question number one. No other entities in the area are constructing new pavements utilizing that standard. If that is the intent, please add some language (like Dallas County uses) that clarifies the levels of acceptability for surface cracking. **(Submitted: Oct 8, 2010 7:04:30 AM CDT)**

Answer

- The response to Question #1 has been revised. The proposed concrete frontage road pavement shall be Continuously Reinforced Concrete Pavement as specified in the CRCP(1)-09 standard. An addendum will be issued to replace the standard. **(Answered: Oct 8, 2010 3:08:48 PM CDT)**

Question 25

The Geotech reports are all based on CRCP pavement not the CPCD. Please review. **(Submitted: Oct 8, 2010 10:12:18 AM CDT)**

Answer

- The proposed concrete frontage road pavement shall be Continuously Reinforced Concrete Pavement as specified in the CRCP(1)-09 standard. An addendum will be issued to replace the standard. **(Answered: Oct 8, 2010 3:08:48 PM CDT)**

Question 26

Sheet 65 shows some "seal coat" and the TCP Narrative references this as the final construction element. How is this work measured and paid? **(Submitted: Oct 8, 2010 10:17:44 AM CDT)**

Question 27

Please confirm (or not) that the Fog Seal (SS-1) item is intended for the prime on lime subgrade. **(Submitted: Oct 8, 2010 10:19:17 AM CDT)**

Question 28

There are approximately 2,035 linear feet of "construction safety fence" required on sheets 79-81. I didn't locate a detail for this item. Please clarify what we are to provide for this requirement. **(Submitted: Oct 8, 2010 10:20:47 AM CDT)**

Answer

- The contractor shall use a 48" high orange safety fence secured with wire or zip ties to T-Post stakes spaced 12 ft on center. The contractor shall install and maintain the fence throughout the duration of adjacent construction activities. A detail will be released in an addendum. **(Answered: Oct 8, 2010 3:08:48 PM CDT)**

Question 29

do you have a list of the mandatory pre bid sign in sheet? **(Submitted: Oct 8, 2010 10:39:39 AM CDT)**

Answer

- It will be included in addendum no. 1 **(Answered: Oct 8, 2010 10:41:15 AM CDT)**

Question 30

I did not locate any details for construction of the 11' direct drive culvert, other than a precast standard for a single 11' box. Are we to assume that you want that culvert built as Precast? **(Submitted: Oct 8, 2010 11:01:56 AM CDT)**

Question 31

In addition to the question asked as #3, the requirement extends to subcontractors. That is likely not an option for many of the subcontractors around. Please clarify. Also, how does the language regarding the Collin County Detention Facility come into play in this contract? **(Submitted: Oct 8, 2010 1:06:10 PM CDT)**

Answer

- Subcontractors can be placed on your policy as additional insured. Please disregard the detention facility language. **(Answered: Oct 8, 2010 1:16:54 PM CDT)**

Question 32

notes from the pre-bid indicate the topic of "e-Verification" was discussed. Please elaborate. **(Submitted: Oct 8, 2010 1:09:46 PM CDT)**

Answer

- Please see section 1.54 of specification 00200. Also, here is a link for more information:
http://www.dhs.gov/files/programs/gc_1185221678150.shtm **(Answered: Oct 8, 2010 1:16:54 PM CDT)**

