

# NOTIFICATION OF ADDENDUM

## ADDENDUM NO. 1

**DATED 1/31/2014**

<b>Control</b>	<b>0271-05-037, ETC.</b>
<b>Project</b>	<b>IM 0107(444)</b>
<b>Highway</b>	<b>IH 10</b>
<b>County</b>	<b>FORT BEND, ETC.</b>

Ladies/Gentlemen:

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

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

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

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

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

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

SUBJECT: PLANS AND PROPOSAL ADDENDUMS

PROJECT: IM 0107(444)

CONTROL: 0271-05-037

COUNTY: FORT BEND

LETTING: 02/04/2014

REFERENCE NO: 0130

**PROPOSAL ADDENDUMS**

-----

\_ PROPOSAL COVER

X BID INSERTS (SH. NO.: 3-16, 4-16, 5-16, 7-16 TO 10-16, 13-16, 15-16 )

\_ GENERAL NOTES (SH. NO.: )

X SPEC LIST (SH. NO.: 3-5, 4-5 )

X SPECIAL PROVISIONS:

ADDED: 161---006, 462---015, 687---005, 6834--002

DELETED: 161---001, 687---004

\_ SPECIAL SPECIFICATIONS:

ADDED:

DELETED:

X OTHER: BID INSERTS, SPECLIST, PLAN SHEETS, ETC.

DESCRIPTION OF ABOVE CHANGES

(INCLUDING PLANS SHEET CHANGES)

PROPOSAL BID INSERTS:

BID SHEET NO. 3-16:

- 1. ADDED ITEM 400-2011 - 57.00 CY
- 2. ITEM 402-2001, CHANGED QUANTITY FROM 1015.0 TO 1629.00 LF
- 3. ADDED ITEM 420-2010-002 - 96.40 CY
- 4. DELETED ITEM 420-2033-002

BID SHEET NO.4-16:

- 1. ADDED ITEM 432-2002 - 57.0 CY

BID SHEET 5-16:

- 1. ADDED SP 015 TO ITEM 462-2001

BID SHEET 7-16:

- 1. ITEM 502-2001-033, CHANGED 24.0 TO 12.00 MO
- 2. ADDED ITEM 512-2059-002 - 12,250.00 LF
- 3. DELETED ITEM 512-2062-002

BID SHEET 8-16:

- 1. ITEM 545-2058, CHANGED QUANTITY FROM 4.0 TO 6.00 EA

DESCRIPTION OF ABOVE CHANGES

(CONTINUED)

(INCLUDING PLANS SHEET CHANGES)

2. ITEM 545-2059, CHANGED QUANTITY FROM 1.0 TO 8.00 EA
3. ITEM 545-2060, CHANGED QUANTITY FROM 1.0 TO 6.00 EA
4. DELETED ITEMS 545-2061, 545-2069, 545-2070

PLAN SHEET 10-16:

ADDED ITEM 636-2001-014 - 6.0 SF

PLAN SHEET 13-16:

1. ITEM 682-2026-003, CHANGED QUANTITY FROM 1332.00 TO 1.0 EA
2. DELETE ITEM 690-2029

BID SHEET 15-16:

1. ADDED SP 002 TO ITEM 6834-2002

SPECLIST (SHEET NO. 3-5 AND 4-5):

1. REPLACED SP 161-001 WITH SP 161-006
2. REPLACED SP 687-004 WITH SP 687-005

PLAN SHEETS:

SHEET NO. 2: OMITTED SHEET NOS. 138, 139, 205, 206, 207 AND 213A

SHEET NO. 3: OMITTED SHEET 309

SHEET NO. 9: CHANGED CONNECTOR CROSS-SLOPE

SHEET NO. 12A TO 12D: REVISED ESTIMATE & QUANTITY SHEETS TO  
REFLECT THE ABOVE BID SHEET CHANGES

PLAN SHEET NO. 12E TO 12F: REVISED DESCRIPTION CODES AND  
QUANTITY FOR ITEM 512 AND 545

PLAN SHEET 14: ADDED TABULATION FOR "SUMMARY OF UTILITY  
(CONCRETE SLAB)" ITEMS AND QUANTITIES, AND  
DELETE ITEM 420-203 AND QUANTITIES FROM THE TABLE

PLAN SHEET 17: REVISED SIGN NO 8 CALL OUT FOR LAYOUT SHEET  
6 OF 16 FROM W1-8 TO W1-8R

PLAN SHEET 20: ADDED ITEM 420-2010 QUANTITIES TO "SUMMARY OF  
OVERHEAD SIGN STRUCTURES" TABULATION

PLAN SHEET 21: DELETED ITEM 690-2029 AND ADDED ITEM 636-2001  
ON THE "SUMMARY OF TRAFFIC SIGNAL ITEMS" TABLE

PLAN SHEET 28 TO 40 AND 43 TO 55: CHANGED SPEED LIMIT, DISTANCE  
BETWEEN SIGNS, TAPER LENGTHS, AND TYPICAL SECTIONS

PLAN SHEET NOS. 58, 59, 63, 67, 69, 70, 74 & 76: REVISED  
CALLOUTS FOR CRASH CUSHION ATTENUATOR

PLAN SHEET NOS. 61, 63, 64, 73 & 85: CHANGED SPEED LIMIT TO 50

SHEETS 68 & 82: CONCRETE TRAFFIC BARRIER LOCATION CALLOUT ADDED

PLAN SHEETS 73 & 85: ADDED TRAFFIC CONTROL DEVICES

PLAN SHEETS 138 & 139: OMITTED SHEETS

DESCRIPTION OF ABOVE CHANGES  
(INCLUDING PLANS SHEET CHANGES)

(CONTINUED)

PLAN SHEET 215 AND 217: REVISED FLOW RATE FOR CULVERT A-3

PLAN SHEET 228: REVISED DRAINAGE LINE CALLOUTS FROM RCB TO MBC

SHEET 204:REPLACED RW(MSE) STD. SHEET WITH MSRW-CSB (HOU DIST)

PLAN SHEET NO 230 AND 237: REVISED CALLOUT FOR CULVERT A-1

PLAN SHEET 236: REVISED CALLOUT FOR CULVERT A-3

PLAN SHEET 239: REVISED HYDRAULIC INFORMATION FOR CULVERTS  
A-1 AND A-3

PLAN SHEET 257 AND 258: ADDED UTILITY CONTACT INFORMATION NOTE

PLAN SHEET 317: UPDATED SIGN CALLOUT FOR CHEVRONS TO W1-8R

PLAN SHEET 331: CORRECTED ERROR FOR THE ITEM NUMBER

PLAN SHEET 368: SHOWING THE EXISTING RIGHT TURN BAY

PLAN SHEET 369: SHOWING EXISTING RIGHT TURN BAY AND  
SIGNAL INDICATORS

PLAN SHEET NO. 408B: SIGNED USACOE LETTER ADDED TO SHEET.

PLAN SHEET 262 AND 263: WIDE FLANGE AND APPROACH PAVEMENT CALLOUT

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	86.830	1
	104	2023		REMOVING CONC (CTB)  DOLLARS and CENTS	LF	155.000	2
	105	2014		REMOVING STAB BASE & ASPH PAV (7"-12")  DOLLARS and CENTS	SY	7,311.000	3
	110	2001		EXCAVATION (ROADWAY)  DOLLARS and CENTS	CY	74,805.000	4
	132	2006	005	EMBANKMENT (FINAL)(DENS CONT)(TY C)  DOLLARS and CENTS	CY	46,954.000	5
	132	2036	005	EMBANK(FINAL)(DC)(TY E)(CSBE)  DOLLARS and CENTS	CY	7,254.600	6
	162	2003		STRAW OR HAY MULCH  DOLLARS and CENTS	SY	106,272.000	7
	164	2001	002	BROADCAST SEED (PERM) (RURAL) (SANDY)  DOLLARS and CENTS	SY	106,272.000	8
	164	2009	002	BROADCAST SEED (TEMP) (WARM)  DOLLARS and CENTS	SY	106,272.000	9
	166	2001	001	FERTILIZER  DOLLARS and CENTS	AC	21.950	10

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	168	2001		VEGETATIVE WATERING DOLLARS and CENTS	MG	2,634.000	11
	260	2012	003	LIME(HYD,COM OR QK)(SLRY)OR QK(DRY) DOLLARS and CENTS	TON	705.100	12
	260	2079	003	LIME TRT (SUBGRADE)(6") DOLLARS and CENTS	SY	52,227.000	13
	276	2224		CEM TRT(PLNT MX) (CL N)(TY E)(GR 4)(6") DOLLARS and CENTS	SY	52,227.000	14
	292	2007		ASPHALT STAB BASE (GR 2)(PG 64) DOLLARS and CENTS	TON	2,286.000	15
	292	2017		ASPHALT STAB BASE (GR 4)(PG 64) DOLLARS and CENTS	TON	2,872.400	16
	305	2012		SLV, HAUL & STKPL RCL APH PV (6 TO 12") DOLLARS and CENTS	SY	7,311.600	17
	360	2003	003	CONC PVMT (CONT REINF-CRCP)(10") DOLLARS and CENTS	SY	46,351.000	18
	368	2001	001	WIDE FLANGE PAVEMENT TERMINALS DOLLARS and CENTS	LF	84.800	19
	400	2005		CEM STABIL BKFL DOLLARS and CENTS	CY	2,574.000	20
	400	2008		CUT & RESTORING PAV (ASPH) DOLLARS and CENTS	SY	95.000	21

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	400	2011		SAND BACKFILL  DOLLARS and CENTS	CY	57.000	22
	400	2016		CEMENT STAB BACKFILL (INLET OR MH)  DOLLARS and CENTS	CY	104.000	23
	402	2001		TRENCH EXCAVATION PROTECTION  DOLLARS and CENTS	LF	1,629.000	24
	416	2004		DRILL SHAFT (36 IN)  DOLLARS and CENTS	LF	560.000	25
	416	2010		DRILL SHAFT (72 IN)  DOLLARS and CENTS	LF	414.000	26
	416	2015		DRILL SHAFT (NON-REINFORCED)(12 IN)  DOLLARS and CENTS	LF	14.000	27
	416	2021		DRILL SHAFT (SIGN MTS)(42 IN)  DOLLARS and CENTS	LF	168.000	28
	416	2029		DRILL SHAFT (RDWY ILL POLE) (30 IN)  DOLLARS and CENTS	LF	96.000	29
	420	2003	002	CL C CONC (ABUT)  DOLLARS and CENTS	CY	50.200	30
	420	2010	002	CL C CONC (SIGN COLUMN)  DOLLARS and CENTS	CY	96.400	31
	420	2050	002	CL F CONC (CAP)  DOLLARS and CENTS	CY	151.200	32

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	420	2055	002	CL C CONC (COLUMN)(MASS PLACEMENT) DOLLARS and CENTS	CY	135.000	33
	420	2117	002	CL C CONC (SIGN FOOTING) DOLLARS and CENTS	CY	36.400	34
	422	2001		REINF CONC SLAB DOLLARS and CENTS	SF	18,324.000	35
	423	2024		RETAINING WALL (MSE)(HORIZONTAL SCHEME) DOLLARS and CENTS	SF	6,245.000	36
	425	2067	001	PRESTR CONC GIRDER (TX46) DOLLARS and CENTS	LF	2,519.160	37
	432	2001		RIPRAP (CONC)(4 IN) DOLLARS and CENTS	CY	2,158.800	38
	432	2002		RIPRAP (CONC)(5 IN) DOLLARS and CENTS	CY	57.000	39
	432	2039		RIPRAP (MOW STRIP)(4 IN) DOLLARS and CENTS	CY	5.000	40
	432	2066		RIPRAP (CONC)(CL B) DOLLARS and CENTS	CY	9.200	41
	442	2048	016	STRUCTURAL STEEL(MISC NON-BRIDGE) DOLLARS and CENTS	LB	836.000	42

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	450	2013	001	RAIL (TY SSTR)  DOLLARS and CENTS	LF	1,629.000	43
	454	2001	003	SEALED EXPANSION JOINT (4 IN)(SEJ-A)  DOLLARS and CENTS	LF	121.900	44
	462	2001	015	CONC BOX CULV (3 FT X 2 FT)  DOLLARS and CENTS	LF	181.000	45
	462	2006	015	CONC BOX CULV (5 FT X 2 FT)  DOLLARS and CENTS	LF	140.000	46
	462	2007	015	CONC BOX CULV (5 FT X 3 FT)  DOLLARS and CENTS	LF	98.000	47
	462	2010	015	CONC BOX CULV (6 FT X 3 FT)  DOLLARS and CENTS	LF	822.000	48
	464	2003	006	RC PIPE (CL III)(18 IN)  DOLLARS and CENTS	LF	119.000	49
	464	2005	006	RC PIPE (CL III)(24 IN)  DOLLARS and CENTS	LF	751.000	50
	464	2007	006	RC PIPE (CL III)(30 IN)  DOLLARS and CENTS	LF	603.000	51
	465	2005	001	MANH (COMPL)(TY M)  DOLLARS and CENTS	EA	1.000	52
	465	2007	001	INLET EXT (TY C)  DOLLARS and CENTS	EA	13.000	53

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	465	2010	001	INLET (COMPL)(TY AAD)  and  DOLLARS CENTS	EA	2.000	54
	465	2098	001	INLET (COMPL)(TY C1)  and  DOLLARS CENTS	EA	8.000	55
	465	2255	001	INLET (COMP)(TY AZ2G)  and  DOLLARS CENTS	EA	1.000	56
	466	2005		WINGWALL (SW-0)(HW=3 FT)  and  DOLLARS CENTS	EA	6.000	57
	466	2033		WINGWALL (FW-S)(HW=3 FT)  and  DOLLARS CENTS	EA	2.000	58
	466	2034		WINGWALL (FW-S)(HW=4 FT)  and  DOLLARS CENTS	EA	3.000	59
	466	2048		WINGWALL (PW)(HW=4 FT)  and  DOLLARS CENTS	EA	1.000	60
	467	2209		SET (TY II)(18 IN)(RCP)(3:1)(C)  and  DOLLARS CENTS	EA	5.000	61
	467	2211		SET (TY II)(24 IN)(RCP)(3:1)(C)  and  DOLLARS CENTS	EA	17.000	62
	467	2213		SET (TY II)(30 IN)(RCP)(3:1)(C)  and  DOLLARS CENTS	EA	17.000	63
	496	2004		REMOV STR (SET)  and  DOLLARS CENTS	EA	24.000	64

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	496	2007		REMOV STR (PIPE)  DOLLARS and CENTS	LF	246.000	65
	496	2051		REMOV STR (DRIVEWAY CULVERT)  DOLLARS and CENTS	EA	12.000	66
	500	2001	011	MOBILIZATION  DOLLARS and CENTS	LS	1.000	67
	502	2001	033	BARRICADES, SIGNS AND TRAFFIC HAN- DLING  DOLLARS and CENTS	MO	12.000	68
	512	2059	002	PORT CTB (DES SOURCE)(SNGL SLP)(TY J-J)  DOLLARS and CENTS	LF	12,250.000	69
	512	2060	002	PORT CTB (MOVE)(SNGL SLP)(TY J-J)  DOLLARS and CENTS	LF	6,010.000	70
	512	2061	002	PORT CTB (STKPL)(SNGL SLP)(TY J-J)  DOLLARS and CENTS	LF	12,250.000	71
	514	2006	002	PERM CONC TRF BARR (SGL SLP)(TY 3)(42")  DOLLARS and CENTS	LF	310.000	72
	529	2002		CONC CURB (TY II)  DOLLARS and CENTS	LF	6,383.000	73
	530	2007	006	DRIVEWAYS (CONC)  DOLLARS and CENTS	EA	4.000	74

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	540	2001	031	MTL W-BEAM GD FEN (TIM POST) DOLLARS and CENTS	LF	9,625.000	75
	540	2011	031	MTL BEAM GD FEN TRANS (THRIE-BEAM) DOLLARS and CENTS	EA	8.000	76
	540	2044	031	DOWNSTREAM ANCHOR TERMI- NAL(DAT)SECTION DOLLARS and CENTS	EA	9.000	77
	542	2001		REMOVING METAL BEAM GUARD FENCE DOLLARS and CENTS	LF	530.000	78
	544	2001		GUARDRAIL END TREATMENT (INSTALL) DOLLARS and CENTS	EA	11.000	79
	545	2001		CRASH CUSH ATTEN (INSTL) DOLLARS and CENTS	EA	2.000	80
	545	2058		CRASH CUSH ATTEN (INSTL) (N) DOLLARS and CENTS	EA	6.000	81
	545	2059		CRASH CUSH ATTEN (MOVE & RESET) (N) DOLLARS and CENTS	EA	8.000	82
	545	2060		CRASH CUSH ATTEN (REMOVE) (N) DOLLARS and CENTS	EA	6.000	83
	610	2025	015	INS RD IL AM (TY SA) 40T-8 (.25 KW)S DOLLARS and CENTS	EA	16.000	84

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	618	2034		CONDT (PVC) (SCHD 80) (2") and DOLLARS CENTS	LF	3,117.000	85
	618	2035		CONDT (PVC) (SCHD 80) (2") (BORE) and DOLLARS CENTS	LF	163.000	86
	618	2039		CONDT (PVC) (SCHD 80) (3") (BORE) and DOLLARS CENTS	LF	7,400.000	87
	620	2003	001	ELEC CONDR (NO. 2) BARE and DOLLARS CENTS	LF	1,070.000	88
	620	2004	001	ELEC CONDR (NO. 2) INSULATED and DOLLARS CENTS	LF	2,140.000	89
	620	2009	001	ELEC CONDR (NO. 6) BARE and DOLLARS CENTS	LF	84.000	90
	620	2010	001	ELEC CONDR (NO. 6) INSULATED and DOLLARS CENTS	LF	252.000	91
	620	2011	001	ELEC CONDR (NO. 8) BARE and DOLLARS CENTS	LF	3,164.000	92
	620	2012	001	ELEC CONDR (NO. 8) INSULATED and DOLLARS CENTS	LF	6,328.000	93
	624	2004	014	GROUND BOX TY 2 (243636) W/APRON and DOLLARS CENTS	EA	2.000	94
	624	2014	014	GROUND BOX TY D (162922) W/APRON and DOLLARS CENTS	EA	1.000	95

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	628	2021	003	ELC SRV TY A 240/480 060 (SS)SS(E)GC(O) DOLLARS and CENTS	EA	4.000	96
	636	2001	014	ALUMINUM SIGNS (TY A) DOLLARS and CENTS	SF	6.000	97
	636	2002	014	ALUMINUM SIGNS (TY G) DOLLARS and CENTS	SF	80.000	98
	636	2003	014	ALUMINUM SIGNS (TY O) DOLLARS and CENTS	SF	601.000	99
	644	2001		IN SM RD SN SUP&AM TY10BWG(1)SA(P) DOLLARS and CENTS	EA	34.000	100
	644	2004		IN SM RD SN SUP&AM TY10BWG(1)SA(T) DOLLARS and CENTS	EA	41.000	101
	644	2006		IN SM RD SN SUP&AM TY10BWG(1)SA(U) DOLLARS and CENTS	EA	2.000	102
	644	2060		REMOVE SM RD SN SUP & AM DOLLARS and CENTS	EA	4.000	103
	647	2001		INSTALL LRSS (STRUCT STEEL) DOLLARS and CENTS	LB	400.600	104
	650	2036		INS OH SN SUP(35 FT CANT)(SPAN ONLY) DOLLARS and CENTS	EA	4.000	105
	658	2316		INSTL OM ASSM (OM-2Z)(FLX)GND DOLLARS and CENTS	EA	4.000	106

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	658	2318		INSTL OM ASSM (OM-2Z)(FLX)SRF DOLLARS and CENTS	EA	2.000	107
	658	2327		INSTL OM ASSM (OM-3R)(FLX)SRF DOLLARS and CENTS	EA	3.000	108
	662	2001		WK ZN PAV MRK NON-REMOV (W) 4" (BRK) DOLLARS and CENTS	LF	1,019.000	109
	662	2004		WK ZN PAV MRK NON-REMOV (W) 4" (SLD) DOLLARS and CENTS	LF	2,038.000	110
	662	2032		WK ZN PAV MRK NON-REMOV (Y) 4" (SLD) DOLLARS and CENTS	LF	1,738.000	111
	662	2064		WK ZN PAV MRK REMOV (W) 4" (BRK) DOLLARS and CENTS	LF	8,381.000	112
	662	2067		WK ZN PAV MRK REMOV (W) 4" (SLD) DOLLARS and CENTS	LF	20,632.000	113
	662	2099		WK ZN PAV MRK REMOV (Y) 4" (SLD) DOLLARS and CENTS	LF	16,482.000	114
	666	2015		REFL PAV MRK TY I (W) 6" (BRK)(100MIL) DOLLARS and CENTS	LF	3,777.000	115
	666	2024		REFL PAV MRK TY I (W) 6" (SLD)(100MIL) DOLLARS and CENTS	LF	20,779.000	116
	666	2048		REFL PAV MRK TY I (W) 24"(SLD)(100MIL) DOLLARS and CENTS	LF	22.000	117

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	666	2120		REFL PAV MRK TY I (Y) 6" (SLD)(100MIL) DOLLARS and CENTS	LF	18,362.000	118
	668	2064		PREFAB PAV MRK TY B (W) (ARROW) DOLLARS and CENTS	EA	14.000	119
	668	2074		PREFAB PAV MRK TY B (W) (WORD) DOLLARS and CENTS	EA	2.000	120
	672	2015	034	REFL PAV MRKR TY II-A-A DOLLARS and CENTS	EA	429.000	121
	672	2017	034	REFL PAV MRKR TY II-C-R DOLLARS and CENTS	EA	663.000	122
	677	2001		ELIM EXT PAV MRK & MRKS ( 4") DOLLARS and CENTS	LF	8,450.000	123
	678	2001		PAV SURF PREP FOR MRK ( 4") DOLLARS and CENTS	LF	50,290.000	124
	678	2002		PAV SURF PREP FOR MRK ( 6") DOLLARS and CENTS	LF	95,587.000	125
	678	2003		PAV SURF PREP FOR MRK ( 8") DOLLARS and CENTS	LF	6,615.000	126
	678	2004		PAV SURF PREP FOR MRK (12") DOLLARS and CENTS	LF	2,406.000	127
	678	2006		PAV SURF PREP FOR MRK (24") DOLLARS and CENTS	LF	67.000	128

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	678	2007		PAV SURF PREP FOR MRK (ARROW) DOLLARS and CENTS	EA	14.000	129
	678	2018		PAV SURF PREP FOR MRK (WORD) DOLLARS and CENTS	EA	2.000	130
	682	2022	003	VEH SIG SEC (12 IN) LED (GRN ARW) DOLLARS and CENTS	EA	1.000	131
	682	2024	003	VEH SIG SEC (12 IN) LED (YEL ARW) DOLLARS and CENTS	EA	1.000	132
	682	2026	003	VEH SIG SEC (12 IN) LED (RED ARW) DOLLARS and CENTS	EA	1.000	133
	690	2027		REMOVAL OF SIGNAL RELATED SIGNS DOLLARS and CENTS	EA	1.000	134
	1122	2016	001	CONSTRUCTION EXITS (INSTALL) (TY 1) DOLLARS and CENTS	SY	1,332.000	135
	1122	2019	001	CONSTRUCTION EXITS (REMOVE) DOLLARS and CENTS	SY	1,332.000	136
	1122	2037	001	TEMPORARY SEDIMENT CONTROL FENCE INSTLL DOLLARS and CENTS	LF	945.000	137
	1122	2047	001	BIOGRD EROSN CONT LOGS (8" DIA) INSTALL DOLLARS and CENTS	LF	900.000	138

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	1122	2056	001	BIODEGRADBLE EROSION CONTROL LOGS REMOV  DOLLARS CENTS and	LF	900.000	139
	1122	2057	001	TEMPORARY SEDIMENT CONTROL FENCE REMOVE  DOLLARS CENTS and	LF	945.000	140
	3268	2043		D-GR HMA TY-D PG70-22  DOLLARS CENTS and	TON	11,604.000	141
	6473	2004	001	MULTIPOLYMER PAV MRK (W)(6")(SLD)  DOLLARS CENTS and	LF	23,281.000	142
	6473	2005	001	MULTIPOLYMER PAV MRK (W)(6")(BRK)  DOLLARS CENTS and	LF	4,731.000	143
	6473	2006	001	MULTIPOLYMER PAV MRK (W)(6")(DOT)  DOLLARS CENTS and	LF	151.000	144
	6473	2007	001	MULTIPOLYMER PAV MRK (W)(8")(SLD)  DOLLARS CENTS and	LF	6,302.000	145
	6473	2009	001	MULTIPOLYMER PAV MRK (W)(12")(SLD)  DOLLARS CENTS and	LF	2,406.000	146
	6473	2014	001	MULTIPOLYMER PAV MRK (Y)(6")(SLD)  DOLLARS CENTS and	LF	21,757.000	147
	6473	2020	001	MULTIPOLYMER PAV MRK (BLK)(6")(BRK)  DOLLARS CENTS and	LF	2,751.000	148

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	6473	2021	001	MULTIPOLYMER PAV MRK (W)(24")(SLD) DOLLARS and CENTS	LF	45.000	149
	6473	2022	001	MULTIPOLYMER PAV MRK (Y)(24")(SLD) DOLLARS and CENTS	LF	643.000	150
	6473	2024	001	MULTIPOLYMER PAV MRK (W)(8")(DOT) DOLLARS and CENTS	LF	313.000	151
	6473	2028	001	MULTIPOLYMER PAV MRK (W) 36" (YLD TRI) DOLLARS and CENTS	LF	126.000	152
	6623	2002		MULTI-DUCT CONDUIT (PVC)(BORED) DOLLARS and CENTS	LF	7,400.000	153
	6834	2002	002	PORTABLE CHANGEABLE MESSAGE SIGN DOLLARS and CENTS	EA	6.000	154
	8368	2003		CONDUIT (PREPARE) DOLLARS and CENTS	LF	10,288.000	155
	8861	2004		CTMS RELOCATION (FIBER OPTIC CABLE) DOLLARS and CENTS	LF	19,483.000	156
	8861	2005		CTMS RELOCATION (COMMUNICATION CABLE) DOLLARS and CENTS	LF	10,143.000	157

CONTROL : 0271-05-037, ETC  
PROJECT : IM 0107(444)  
HIGHWAY : IH 10  
COUNTY : FORT BEND, 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 104 REMOVING CONCRETE  
ITEM 105 REMOVING STABILIZED BASE AND ASPHALT PAVEMENT  
ITEM 110 EXCAVATION (132)  
ITEM 132 EMBANKMENT (100)(204)(210)(216)(400)  
ITEM 162 SODDING FOR EROSION CONTROL (166)(168)  
ITEM 164 SEEDING FOR EROSION CONTROL (162)(166)(168)  
ITEM 166 FERTILIZER  
ITEM 168 VEGETATIVE WATERING  
ITEM 260 LIME TREATMENT (ROAD-MIXED) (105)(132)(204)(210)(216)  
(247)(300)(310)(520)  
ITEM 276 CEMENT TREATMENT (PLANT-MIXED) (204)(210)(216)(247)(300)  
(310)(520)  
ITEM 292 ASPHALT TREATMENT (PLANT-MIXED) (300)(301)(320)(520)(585)  
ITEM 305 SALVAGING, HAULING, AND STOCKPILING RECLAIMABLE ASPHALT  
PAVEMENT  
ITEM 360 CONCRETE PAVEMENT (300)(420)(421)(438)(440)(529)(585)  
ITEM 368 CONCRETE PAVEMENT TERMINALS (247)(260)(276)(292)(300)  
(360)(400)(420)(421)(438)(440)(442)  
ITEM 400 EXCAVATION AND BACKFILL FOR STRUCTURES (132)(401)(420)  
(421)  
ITEM 402 TRENCH EXCAVATION PROTECTION  
ITEM 416 DRILLED SHAFT FOUNDATIONS (420)(421)(440)(448)  
ITEM 420 CONCRETE STRUCTURES (400)(404)(421)(426)(427)(438)(440)  
(441)(448)  
ITEM 422 REINFORCED CONCRETE SLAB (420)(421)(424)(426)(430)(440)  
ITEM 423 RETAINING WALLS (110)(132)(400)(420)(421)(424)(440)(445)  
(458)(556)  
ITEM 425 PRECAST PRESTRESSED CONCRETE STRUCTURAL MEMBERS (420)

(421)(424)(426)(427)(434)(440)(442)  
 ITEM 432 RIPRAP (247)(420)(421)(427)(431)(440)  
 ITEM 442 METAL FOR STRUCTURES (441)(445)(446)(447)(448)(449)  
 ITEM 450 RAILING (420)(421)(424)(440)(441)(442)(445)(448)(540)  
 ITEM 454 BRIDGE EXPANSION JOINTS (429)(442)  
 ITEM 462 CONCRETE BOX CULVERTS AND STORM DRAINS (400)(420)(421)  
 (424)(440)(464)  
 ITEM 464 REINFORCED CONCRETE PIPE (400)  
 ITEM 465 MANHOLES AND INLETS (400)(420)(421)(440)(471)  
 ITEM 466 HEADWALLS AND WINGWALLS (400)(420)(421)(430)(440)(464)  
 ITEM 467 SAFETY END TREATMENT (400)(420)(421)(430)(432)(440)(445)  
 (464)  
 ITEM 496 REMOVING STRUCTURES (430)  
 ITEM 500 MOBILIZATION  
 ITEM 502 BARRICADES, SIGNS, AND TRAFFIC HANDLING  
 ITEM 504 FIELD OFFICE AND LABORATORY  
 ITEM 512 PORTABLE CONCRETE TRAFFIC BARRIER (420)(421)(424)(440)  
 (442)  
 ITEM 514 PERMANENT CONCRETE TRAFFIC BARRIER (400)(416)(420)(421)  
 (424)(440)(442)(448)  
 ITEM 529 CONCRETE CURB, GUTTER, AND COMBINED CURB AND GUTTER (360)  
 (420)(421)(440)  
 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 545 CRASH CUSHION ATTENUATORS (421)  
 ITEM 610 ROADWAY ILLUMINATION ASSEMBLIES (421)(441)(442)(445)(446)  
 (449)(616)(620)  
 ITEM 618 CONDUIT (400)(445)(476)(622)  
 ITEM 620 ELECTRICAL CONDUCTORS  
 ITEM 624 GROUND BOXES (421)(440)  
 ITEM 628 ELECTRICAL SERVICES (441)(445)(449)(618)(620)(627)(656)  
 ITEM 636 ALUMINUM SIGNS (643)  
 ITEM 644 SMALL ROADSIDE SIGN SUPPORTS AND ASSEMBLIES (421)(440)  
 (441)(442)(445)(634)(636)(643)(656)  
 ITEM 647 LARGE ROADSIDE SIGN SUPPORTS AND ASSEMBLIES (421)(440)  
 (441)(442)(445)(643)  
 ITEM 650 OVERHEAD SIGN SUPPORTS (416)(420)(421)(441)(442)(445)  
 (449)(618)  
 ITEM 658 DELINEATOR AND OBJECT MARKER ASSEMBLIES (445)  
 ITEM 662 WORK ZONE PAVEMENT MARKINGS (666)(668)(672)(677)  
 ITEM 666 REFLECTORIZED PAVEMENT MARKINGS (316)(318)(662)(677)(678)  
 ITEM 668 PREFABRICATED PAVEMENT MARKINGS  
 ITEM 672 RAISED PAVEMENT MARKERS (677)(678)  
 ITEM 677 ELIMINATING EXISTING PAVEMENT MARKINGS AND MARKERS (300)  
 (302)(316)  
 ITEM 678 PAVEMENT SURFACE PREPARATION FOR MARKINGS (677)  
 ITEM 682 VEHICLE AND PEDESTRIAN SIGNAL HEADS  
 ITEM 690 MAINTENANCE OF TRAFFIC SIGNALS (416)(421)(476)(610)(618)  
 (620)(622)(624)(625)(627)(628)(634)(636)(656)(680)(682)  
 (684)(685)(686)(687)(688)

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

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

WAGE RATES

SPECIAL PROVISION "NOTICE TO ALL BIDDERS" (000--003)  
SPECIAL PROVISION "NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO  
ENSURE EQUAL EMPLOYMENT OPPORTUNITY" (000--004)  
SPECIAL PROVISION "STANDARD FEDERAL EQUAL EMPLOYMENT OPPORTUNITY  
CONSTRUCTION CONTRACT SPECIFICATIONS" (000--006)  
SPECIAL PROVISION "CERTIFICATION OF NONDISCRIMINATION IN EMPLOYMENT"  
(000--009)  
SPECIAL PROVISION "DEPARTMENT DIVISION MAILING AND PHYSICAL ADDRESS"  
(000--011)  
SPECIAL PROVISION "NOTICE OF CHANGES TO U.S. DEPARTMENT OF LABOR  
REQUIRED PAYROLL INFORMATION" (000--1483)  
SPECIAL PROVISION "ON-THE-JOB TRAINING PROGRAM" (000--2638)  
SPECIAL PROVISION "DISADVANTAGED BUSINESS ENTERPRISE IN FEDERAL AID  
CONTRACTS" (000--1966)  
SPECIAL PROVISION "PARTNERING" (000--2329)  
SPECIAL PROVISION "SCHEDULE OF LIQUIDATED DAMAGES" (000--2332)  
SPECIAL PROVISION "NONDISCRIMINATION" (000--2607)  
SPECIAL PROVISION "IMPORTANT NOTICE TO CONTRACTORS" (000--2839)  
SPECIAL PROVISION "DESCRIPTION OF PROJECT, SCOPE OF CONTRACT,  
SEQUENCE OF WORK" (000--2853)  
SPECIAL PROVISION "IMPORTANT NOTICE TO CONTRACTORS" (000--2854)  
SPECIAL PROVISION TO ITEM 1 (001---015)  
SPECIAL PROVISION TO ITEM 2 (002---017)  
SPECIAL PROVISION TO ITEM 3 (003---033)  
SPECIAL PROVISION TO ITEM 4 (004---017)  
SPECIAL PROVISION TO ITEM 5 (005---004)  
SPECIAL PROVISIONS TO ITEM 6 (006---030)(006---047)  
SPECIAL PROVISION TO ITEM 7 (007---918)  
SPECIAL PROVISIONS TO ITEM 8 (008---008)(008---119)  
SPECIAL PROVISIONS TO ITEM 9 (009---009)(009---015)(009---016)  
SPECIAL PROVISION TO ITEM 100 (100---002)  
SPECIAL PROVISION TO ITEM 132 (132---005)  
SPECIAL PROVISION TO ITEM 161 (161---006)  
SPECIAL PROVISION TO ITEM 164 (164---002)  
SPECIAL PROVISION TO ITEM 166 (166---001)  
SPECIAL PROVISION TO ITEM 247 (247---033)  
SPECIAL PROVISION TO ITEM 260 (260---003)  
SPECIAL PROVISION TO ITEM 275 (275---003)  
SPECIAL PROVISION TO ITEM 300 (300---039)  
SPECIAL PROVISION TO ITEM 302 (302---010)  
SPECIAL PROVISION TO ITEM 316 (316---016)  
SPECIAL PROVISION TO ITEM 318 (318---010)  
SPECIAL PROVISION TO ITEM 330 (330---001)  
SPECIAL PROVISION TO ITEM 340 (340---003)  
SPECIAL PROVISION TO ITEM 360 (360---003)

SPECIAL PROVISION TO ITEM 368 (368---001)  
 SPECIAL PROVISION TO ITEM 420 (420---002)  
 SPECIAL PROVISION TO ITEM 421 (421---035)  
 SPECIAL PROVISION TO ITEM 424 (424---003)  
 SPECIAL PROVISION TO ITEM 425 (425---001)  
 SPECIAL PROVISION TO ITEM 429 (429---008)  
 SPECIAL PROVISION TO ITEM 431 (431---001)  
 SPECIAL PROVISION TO ITEM 434 (434---003)  
 SPECIAL PROVISION TO ITEM 440 (440---006)  
 SPECIAL PROVISION TO ITEM 441 (441---008)  
 SPECIAL PROVISION TO ITEM 442 (442---016)  
 SPECIAL PROVISION TO ITEM 447 (447---002)  
 SPECIAL PROVISION TO ITEM 448 (448---002)  
 SPECIAL PROVISION TO ITEM 450 (450---001)  
 SPECIAL PROVISION TO ITEM 454 (454---003)  
 SPECIAL PROVISION TO ITEM 462 (462---015)  
 SPECIAL PROVISION TO ITEM 464 (464---006)  
 SPECIAL PROVISION TO ITEM 465 (465---001)  
 SPECIAL PROVISION TO ITEM 476 (476---003)  
 SPECIAL PROVISION TO ITEM 500 (500---011)  
 SPECIAL PROVISION TO ITEM 502 (502---033)  
 SPECIAL PROVISION TO ITEM 512 (512---002)  
 SPECIAL PROVISION TO ITEM 514 (514---002)  
 SPECIAL PROVISION TO ITEM 530 (530---006)  
 SPECIAL PROVISION TO ITEM 540 (540---031)  
 SPECIAL PROVISION TO ITEM 610 (610---015)  
 SPECIAL PROVISION TO ITEM 620 (620---001)  
 SPECIAL PROVISION TO ITEM 624 (624---014)  
 SPECIAL PROVISION TO ITEM 628 (628---003)  
 SPECIAL PROVISION TO ITEM 636 (636---014)  
 SPECIAL PROVISION TO ITEM 643 (643---001)  
 SPECIAL PROVISION TO ITEM 672 (672---034)  
 SPECIAL PROVISION TO ITEM 682 (682---003)  
 SPECIAL PROVISION TO ITEM 685 (685---014)  
 SPECIAL PROVISION TO ITEM 687 (687---005)  
 SPECIAL PROVISION TO SPECIAL SPECIFICATION ITEM 1122 (1122--001)  
 SPECIAL PROVISION TO SPECIAL SPECIFICATION ITEM 6473 (6473--001)  
 SPECIAL PROVISION TO SPECIAL SPECIFICATION ITEM 6834 (6834--002)

SPECIAL SPECIFICATIONS:

-----

ITEM 1122 TEMPORARY EROSION, SEDIMENTATION, AND ENVIRONMENTAL  
 CONTROLS (161)(432)(556)  
 ITEM 3268 DENSE-GRADED HOT-MIX ASPHALT  
 ITEM 6473 MULTIPOLYMER PAVEMENT MARKING S (MPM) (677)(678)(8094)  
 ITEM 6623 MULTI-DUCT CONDUIT SYSTEM (400)  
 ITEM 6834 PORTABLE CHANGEABLE MESSAGE SIGN  
 ITEM 8094 MOBILE RETROREFLECTIVITY DATA COLLECTION FOR PAVEMENT  
 MARKINGS  
 ITEM 8368 PREPARATION OF EXISTING CONDUITS, GROUND BOXES OR MANHOLES  
 (465)(618)(624)  
 ITEM 8861 RELOCATION OF COMPUTERIZED TRANSPORTATION MANAGEMENT

SYSTEM EQUIPMENT

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

**SPECIAL PROVISION**

**161---006**

**Compost**

For this project, Item 161, “Compost,” 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 161.2. Materials. Table 1 and following two paragraphs are voided and replaced by the following:

**Table 1  
Physical Requirements for Compost**

<b>Property</b>	<b>Test Method</b>	<b>Requirement</b>
Particle Size	TMECC 02.02-B, “Sample Sieving for Aggregate Size Classification”	95% passing 5/8 in. 70% passing 3/8 in.
Heavy Metals Content	TMECC 04.06, “Heavy Metals and Hazardous Elements”: 04.06-As, Arsenic 04.06-Cd, Cadmium 04.06-Cu, Copper 04.06-Pb, Lead 04.06-Hg, Mercury 04.06-Mo, Molybdenum 04.06-Ni, Nickel 04.06-Se, Selenium 04.06-Zn, Zinc	Pass
Salinity	TMECC 04.10-A, “1:5 Slurry Method, Mass Basis”	5.0 dS/m Max <sup>2</sup>
pH	TMECC 04.11-A, “1:5 Slurry pH”	5.5-8.5
Maturity	TMECC 05.05-A, “% Emergence and Relative Seedling Vigor”	> 80%
Organic Matter Content	TMECC 05.07-A, “Loss-On-Ignition Organic Matter Method”	25-65% (dry mass)
Stability	TMECC 05.08-B, “Carbon Dioxide Evolution Rate”	≤ 8
Fecal Coliform	TMECC 07.01-B, “Fecal Coliforms”	1,000 MPN/g Max

1. “Test Methods for the Examination of Composting and Compost,” published by the United States Department of Agriculture and the USCC.

2. A soluble salt content up to 10.0 dS/m for compost used in compost-manufactured topsoil will be acceptable.

Maintain compost in designated stockpiles at the producer’s site. The Department reserves the right to sample compost at the jobsite. Material may be tested to verify compliance with this Specification by an STA-certified lab. Make payment to the STA-certified lab approved by the Department. Submit lab invoices for passing tests to the Department for reimbursement. Maintain a complete record of all test reports for the previous and current calendar year.

## **SPECIAL PROVISION**

### **462---015**

#### **Concrete Box Culverts and Storm Drains**

For this project, Item, 462, “Concrete Box Culverts and Storm Drains,” 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 462.2. Materials, Section A. General.** The last two paragraphs are voided and replaced by the following:

Furnish material for machine-made precast boxes in accordance with DMS-7310, “Reinforced Concrete Pipe and Machine-Made Precast Box Culvert Fabrication and Plant Qualification.”

**Article 462.2. Materials, Section B. Fabrication, 3. Machine-Made Precast** is voided and replaced by the following:

Machine-made precast box culvert fabrication plants must be approved in accordance with DMS-7310, “Reinforced Concrete Pipe and Machine-Made Precast Box Culvert Fabrication and Plant Qualification.” The Construction Division maintains a list of approved machine-made precast box culvert plants.

Fabricate machine-made precast boxes in accordance with DMS-7310.

**Article 462.2. Materials, Section C. Testing, 2. Formed Precast** is voided and replaced by the following:

Make, cure, and test compressive test specimens in accordance with Tex-704-I.

**Article 462.2 Materials, Section C. Testing, 3. Machine-Made Precast** is voided and replaced by the following:

Make, cure, and test compressive test specimens in accordance with DMS-7310.

**Article 462.2. Materials, Section D. Lifting Holes.** The first paragraph is voided and replaced by the following:

For precast boxes, provide no more than 4 lifting holes in each section. Lifting holes may be cast, cut into fresh concrete after form removal, or drilled. Provide lifting holes of sufficient size for adequate lifting devices based on the size and weight of the box section. Do not use lifting holes larger than 3 in. in diameter. Do not cut more than 5 in. in any direction of reinforcement per layer for lifting holes.

**Article 462.2. Materials, Section E. Marking.** The first paragraph is voided and replaced by the following:

Mark precast boxes with the following:

- name or trademark of fabricator and plant location;
- ASTM designation;
- date of manufacture;
- box size;
- minimum and maximum fill heights;
- designated fabricator's approval stamp;
- boxes to be used for jacking and boring (when applicable);
- designation "SR" for boxes meeting sulfate-resistant concrete plan requirements (when applicable); and
- match marks for proper installation, when required under Section 462.2.F, "Tolerances."

**Article 462.2. Materials, Section F. Tolerances.** is voided and replaced by the following:

Ensure that precast sections meet the permissible variations listed in ASTM C 1577 and the following requirement:

- The sides of a section at each end do not vary from being perpendicular to the top and bottom by more than 1/2 in. when measured diagonally between opposite interior corners.

Ensure that wall and slab thicknesses are not less than shown on the plans except for occasional deficiencies not greater than 3/16 in. or 5%, whichever is greater. If proper jointing is not affected, thicknesses in excess of plan requirements are acceptable.

Deviations from the above tolerances will be acceptable if the sections can be fitted at the plant or job site and the joint opening at any point does not exceed 1 in. Use match marks for proper installation on sections that have been accepted in this manner.

**1. Boxes for Jacking Operations.** For boxes to be used for jacking operations (as defined in Item 476, "Jacking, Boring, or Tunneling Pipe or Box,") meet the following additional requirements:

- The box ends must be square such that no point deviates more than 3/8 in. from a plane placed on the end of the box that is perpendicular to the box sides, and
- The slab and wall thicknesses must not be less than specified on the plans and must not exceed the specified thickness by more than 1/2 in.

**Article 462.2. Materials, Section G. Defects and Repair.** The following paragraph is added:

Repair machine-made precast boxes in accordance with DMS-7310, "Reinforced Concrete Pipe and Machine-Made Precast Box Culvert Fabrication and Plant Qualification."

**Article 462.2. Materials, Section H. Storage and Shipment.** The following paragraph is added:

Store and ship machine-made precast boxes in accordance with DMS-7310, “Reinforced Concrete Pipe and Machine-Made Precast Box Culvert Fabrication and Plant Qualification.”

**Article 462.3 Construction, Section C. Jointing.** The first paragraph is voided and replaced by the following:

Unless otherwise shown on the plans, use any of the jointing materials in accordance with the joint requirements specified in Item 464, “Reinforced Concrete Pipe.” Rubber gasketed joints may be substituted for tongue and groove joints, provided they meet the requirements of ASTM C 1677 for design of the joints and permissible variations in dimensions.

## **SPECIAL PROVISION**

**687---005**

### **Pedestal Pole Assemblies**

For this project, Item 687, "Pedestal Pole Assemblies," 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 687.2. Materials** is supplemented by the following:

- C. Pedestrian Push Button Pole Assembly.** Provide diameter as shown in the plans, schedule 40 steel pipe or tubing, aluminum pipe (alloy 6061-T6), or rigid metal conduit. Do not use aluminum conduit. Galvanize pedestrian push button post in accordance with Item 445, "Galvanizing," unless otherwise shown on the plans.

**Article 687.3 Construction, Sections B. Installation and C. Painted Finish.** are voided and replaced by the following:

- B. Installation.** Install pedestal pole assemblies and pedestrian push button pole assemblies as shown on the plans or as directed. Pedestal pole assemblies include foundation, pole shaft, base, anchor bolts, anchor bolt nuts, anchor bolt template, shims, and miscellaneous components. Watertight breakaway electrical disconnects are required for pedestal pole assemblies used in conjunction with vehicle and pedestrian heads and components. Pedestrian push button post assemblies include foundation, post, and post cap.

Use established industry and utility safety practices to erect assemblies near overhead or underground utilities. Consult with the appropriate utility company prior to beginning such work.

Repair damaged galvanizing in accordance with Section 445.3.D, "Repairs."

- C. Painted Finish.** When required, paint pedestal pole and pedestrian push button post assemblies in accordance with details shown on the plans.

**Article 687.4 Measurement** is voided and replaced by the following:

**687.4 Measurement.** This Item will be measured by each pedestal pole assembly or each pedestrian pushbutton post assembly."

**Article 687.5 Payment** is voided and replaced by the following:

**687.5. Payment.** The work performed and materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for at the unit price bid for "Pedestal Pole Assembly" or by the unit bid price for "Pedestrian Push Button Post Assembly."

This price is full compensation for furnishing and installing the shaft; base, shims, anchor bolts, and foundation; and materials, equipment, labor, tools, and incidentals.

New signal heads will be paid for under Item 682, "Vehicle and Pedestrian Signal Heads."

**SPECIAL PROVISION  
TO  
SPECIAL SPECIFICATION  
6834--002  
Portable Changeable Message Sign**

For this project, Special Specification Item 6834, “Portable Changeable Message Sign,” 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 2. Materials, Section A. Minimum Luminance Requirements,** is voided and not replaced.

**Article 2. Materials, Section C. Changeable Message Sign.** The second paragraph is voided and replaced by the following:

Provide a sign with 3 separate lines of text and 8 characters per line minimum. Provide a minimum 18 in. character height. Provide a 5 x 7 character pixel matrix. Provide a message legibility distance of 600 ft. for nighttime conditions and 800 ft. for normal daylight conditions. Provide for manual and automatic dimming light sources.

This page intentionally left blank.