ADDENDUM 4 - JULY 31, 2015

SUMMARY OF LANDSCAPE & IRRIGATION	ITEM	170	170	EP-LAND	EP-LAND	EP-LAND	192	192	1005	192
	CODE	6006	6007				6024	6017	6001	6001
	DESC	IRRIGATION SYSTEM LOCATION A	IRRIGATION SYSTEM LOCATION B	WATER METER ASSEMBLY	FURN AND INSTALL TREE GRATE - EJCO 8691-48X72	FURN AND INSTL TREE GRATE-EJCO86 9410 48X96	PLANT MATERIAL (30 GAL) (TREE)	VEGETATION BARRIER	LOOSE AGGR FOR GROUNDCOVER (TYPE I)	PLANT MAINTENANCE
SHEET:	UNIT	EA	EA	EA	EA	EA	EA	LF	CY	EA
1 of 28										
2 of 28										
3 of 28		1					1		0.5	1
4 of 28										
5 of 28		2				2	2	20		2
6 of 28										
7 of 28		1				1	1	10		1
8 of 28		1				1	1	10		1
9 of 28			2	1		2	2	20		2
10 of 28			2	1		2	2	20		2
11 of 28		1				1	1	10		1
12 of 28			1	1		2	2	20		2
13 of 28										
14 of 28			2	1	1	1	2	20		2
15 of 28										
16 of 28										
17 of 28			1	1		1	1	10		1
18 of 28		1					1			1
19 of 28										
20 of 28										
21 of 28										
22 of 28										
23 of 28										
24 of 28										
25 of 28										
26 of 28										
27 of 28		2				2	2	20		2
PROJECT TOTAL		9	8	5	1	15	18	160	0.5	18

NO	DATE	REVISION	APPROVED
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URS
2829 Montana Suite 206
El Paso, Texas 79903
(915) 493-6468
TBPE REGISTRATION NO. F-3162

COEP STREETCAR

QUANTITY SUMMARY

G011

CONT	SECT	JOB	HIGHWAY
0924	06	446	VARIOUS
DIST		COUNTY	SHEET NO.
EL PASO		EL PASO	14

DATE: 7/31/2015 11:50:05 AM
FILE: c:\pwworking\andrew_higgins\transportationus\dms36669\GEN_QTY_01.dgn

DN: URS CK: URS DW: URS CK: URS

ADDENDUM 4 - JULY 31, 2015

SUMMARY OF SITEWORK AT TPSS	ITEM	104	105	104	400	531	530	529	550	476
	CODE	6015	6026	6022	6001	6003	6005	6004	6001	6020
	DESC	REMOVING CONC (SIDEWALKS)	REMOVE STAB BASE & ASPH PAV (13"-18")	REMOVING CONC (CURB AND GUTTER)	STRUCT EXCAV	CONC SIDEWALKS (6")	DRIVEWAYS (ACP)	CONC CURB (MONO) (TY I)	CHAIN LINK FENCE (INSTALL) (6')	JACK BOR OR TUN PIPE (30 IN) (RC) (CL IV)
SHEET:	UNIT	SY	SY	LF	CY	SY	SY	LF	LF	LF
TPSS A1					51.2	92			132	
TPSS A2			59	60		40		78	110	160
TPSS A3		62	159	130		110	116	195	67	
TPSS A4			124	31		91		64		
PROJECT TOTAL		62	342	221	51.2	333	116	337	400	160

SUMMARY OF TRACK & SPECIAL TRACKWORK	ITEM	EP-TRACK	EP-TRACK	EP-TRACK	EP-TRACK	EP-TRACK	EP-TRACK	EP-TRACK	EP-TRACK	216	247
	CODE	34 11 23.33	34 11 23.33	34 11 23.33	34 11 23.33	34 11 23.33	34 11 23.33	34 11 29.10	35 11 29.10	6001	6041
	DESC	FRANKLIN - STANTON TURNOUT - FURNISH AND INSTALL	OREGON - FRANKLIN TURNOUT - FURNISH AND INSTALL	SANTA FE - 4TH AVE TURNOUT - FURNISH AND INSTALL	SANTA FE - 3RD AVE TURNOUT - FURNISH AND INSTALL	MF STORAGE TURNOUT 3 UNITS - FURNISH AND INSTALL (ADD-ALT)	MF BUILDING TURNOUT UNITS 3 UNITS - FURNISH AND INSTALL	EMBEDDED TRACK CONSTRUCTION	EMBEDDED TRACK CONSTRUCTION (ADD-ALT)	PROOF ROLLING	FL BS (CMP IN PLC) (TYA GR1-2) (FNAL POS)
SHEET:	UNIT	LS	LS	LS	LS	LS	LS	TF	TF	HR	CY
K948		1	1	1	1	1	1	26693.9	185.8	25.3	3954.6
PROJECT TOTAL		1	1	1	1	1	1	26693.9	185.8	25.3	3954.6

MISCELLANEOUS LUMP SUM BID ITEMS	ITEM	EP-MSF	EP-SYSTEM	EP-SYSTEM	EP-SYSTEM	EP-SYSTEM	EP-SYSTEM	EP-SYSTEM	EP-SYSTEM	EP-SYSTEM	EP-SYSTEM
	CODE										
	DESC	MAINTENANCE STORAGE FACILITY (INDUSTRIAL EQUIPMENT & FURNISHINGS)	OVERHEAD CONTACT SYSTEM (COMPLETE IN PLACE) - MATERIALS	OVERHEAD CONTACT SYSTEM SPARE PARTS	TRACTION POWER SUBSTATION (COMPLETE IN PLACE) - LOCATION A1	TRACTION POWER SUBSTATION (COMPLETE IN PLACE) - LOCATION A2	TRACTION POWER SUBSTATION (COMPLETE IN PLACE) - LOCATION A3	TRACTION POWER SUBSTATION (COMPLETE IN PLACE) - LOCATION A4	TRACTION POWER SUBSTATION (COMPLETE IN PLACE) - LOCATION S1	TRACTION POWER SPARE PARTS	OCS - STORAGE TRACKS - ADD ALT (COMPLETE IN PLACE) - MATERIALS
	UNIT	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS
LUMP SUM ITEMS		1	1	1	1	1	1	1	1	1	1
PROJECT TOTAL		1	1	1	1	1	1	1	1	1	1

MISCELLANEOUS LUMP SUM ITEMS	ITEM	100	500	502	EP - UTL COORD RELO	EP - TWC	EP - TWC	EP - TWC	EP - TWC	EP - TWC
	CODE	6002	6001	6001		34 71.29.10	35 71.29.10	36 71.29.10	37 71.29.10	38 71.29.10
	DESC	PREP ROW	MOBILIZATION	BARRICADES, SIGNS, AND TRAFFIC HANDLING	UTILITY COORDINATION	TWC - OREGON/YANDELL (LOOP & INTERROGATOR: TWC 1 - TWC 3)	TWC - STANTON/FRANKLIN (LOOP & INTERROGATOR: TWC 4 - TWC 5)	TWC - SANTA FE/4TH (LOOP & INTERROGATOR: TWC 6 - TWC 8)	TWC - SANTA FE/OVERLAND (LOOP & INTERROGATOR: TWC 9 - TWC 11)	TWC - STANTON/BALTIMIMORE (LOOP & INTERROGATOR: TWC 12 - TWC 14)
	UNIT	STA	LS	MO	LS	LS	LS	LS	LS	LS
LUMP SUM ITEMS		255	1	30	1	1	1	1	1	1
PROJECT TOTAL		255	1	30	1	1	1	1	1	1

NO	DATE	REVISION	APPROVED
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COEP STREETCAR

QUANTITY SUMMARY

G016

CONT	SECT	JOB	HIGHWAY
0924	06	446	VARIOUS
DIST		COUNTY	SHEET NO.
EL PASO		EL PASO	19

DN: URS CK: URS DW: URS CK: URS

DATE: 7/31/2015 11:52:17 AM
FILE: c:\pwworking\andrew_higgins\transportations\dms36669\GEN_QTY_06.dgn

ADDENDUM 4 - JULY 31, 2015

SUMMARY OF SIGNING AND STRIPING	ITEM	636	644	644	644	666	666	666	666	666	666	666	666	666	666	666	666	666	677	677	677	678	678	666	666
	CODE	6007	6001	6068	6076	6024	2030	6036	6042	6045	6048	6054	6057	6096	6060	6078	6102	6141	6006	6007	2015	2005	6008	6300	6303
	DESC	REPLACE EXISTING ALUMINUM SIGNS (TY A)	IN SM RD SN SUP&AM TY10BWG (1)SA(P)	RELOCATE SM RD SN SUP&AM TY10BWG	REMOVE SM RD SN SUP& AM	REFL PAV MRK TY I (W) 6" (SLD) (100MIL)	REFL PAV MRK TY I (W) 8" (DOT) (100MIL)	REFL PAV MRK TY I (W) 8" (SLD) (100MIL)	REFL PAV MRK TY I (W) 12" (SLD) (100MIL)	REFL PAV MRK TY I (W) 18" (SLD) (100MIL)	REFL PAV MRK TY I (W) 24" (SLD) (100MIL)	REFL PAV MRK TY I (W) (ARROW) (100MIL)	REFL PAV MRK TY I (W) (DBL ARROW) (100MIL)	REFL PAV MRK TY I (W) (SYMBOL) (100MIL)	REFL PAV MRK TY I (W) (TPL ARRW) (100MIL)	REFL PAV MRK TY I (W) (WORD) (100MIL)	REF PAV MRK TY I (W) 36" (YLD TRI) (100MIL)	REFL PAV MRK TY I (Y) 12" (SLD) (100MIL)	ELIM EXT PAV MRK & MRKS (18")	ELIM EXT PAV MRK & MRKS (24")	ELIM EXT PAV MRK & MRKS (SYMBOL)	PAV SURF PREP FOR MRK (18")	PAV SURF PREP FOR MRK (24")	RE PM W/RET REQ TY I (W) 4" (BRK) (100MIL)	RE PM W/RET REQ TY I (W) 4" (SLD) (100MIL)
Sheet:	UNIT	SF	EA	EA	EA	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	LF	LF	LF	EA	LF	LF	LF	LF
Sheet 1 of 66		0	2	0	0	0	0	0	0	340	89	5	0	0	0	0	0	0	109	23	0	109	23	70	100
Sheet 2 of 66		0	0	0	5	0	0	0	0	123	31	3	1	0	0	1	0	0	75	11	0	75	11	70	100
Sheet 3 of 66		0	0	0	2	0	0	0	0	227	66	3	3	0	0	2	0	17	103	10	0	103	10	120	269
Sheet 4 of 66		0	2	0	1	0	0	0	0	346	85	4	0	0	0	1	0	50	282	27	0	282	27	130	250
Sheet 5 of 66		0	0	0	1	0	0	0	0	365	91	0	0	0	0	0	0	80	33	44	0	33	44	160	281
Sheet 6 of 66		0	2	0	0	0	0	0	0	668	141	2	2	0	0	1	0	0	247	56	0	247	56	110	423
Sheet 7 of 66		0	0	0	0	0	0	0	0	161	342	0	0	0	0	0	0	0	229	38	0	29	238	100	300
Sheet 8 of 66		0	5	0	1	32	0	0	21	0	359	0	0	0	0	0	0	49	147	47	0	0	187	80	85
Sheet 9 of 66		0	4	0	0	42	0	0	6	0	321	0	0	0	0	0	0	0	74	22	0	0	92	74	130
Sheet 10 of 66		0	2	0	1	38	0	0	0	188	47	0	0	0	0	0	0	0	91	13	0	91	13	120	50
Sheet 11 of 66		0	1	0	0	38	2	0	0	465	132	0	0	0	0	0	0	0	217	70	0	217	70	100	368
Sheet 12 of 66		0	0	0	1	7	0	0	0	534	89	0	0	0	0	0	0	0	257	40	0	257	40	206	150
Sheet 13 of 66		0	0	0	1	63	0	0	0	299	73	0	0	0	0	0	0	0	168	25	0	168	25	220	150
Sheet 14 of 66		0	0	0	3	16	0	0	0	358	81	2	0	0	0	1	0	0	257	38	0	257	38	150	200
Sheet 15 of 66		0	0	0	0	10	28	0	0	666	165	0	0	0	0	0	0	0	445	69	0	445	69	40	298
Sheet 16 of 66		0	0	0	0	19	0	0	0	331	59	0	0	0	0	0	0	0	183	24	0	183	24	140	100
Sheet 17 of 66		0	1	0	0	65	0	0	0	196	46	1	0	0	0	1	0	0	195	46	0	195	46	160	56
Sheet 18 of 66		0	1	0	0	8	0	0	0	38	41	1	0	0	0	0	0	0	23	0	0	23	0	0	92
Sheet 19 of 66		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sheet 20 of 66		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sheet 21 of 66		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sheet 22 of 66		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sheet 23 of 66		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sheet 24 of 66		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sheet 25 of 66		0	0	0	1	0	0	0	0	36	0	0	0	1	0	0	0	0	0	0	0	0	0	20	0
Sheet 26 of 66		0	0	0	0	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	120	0
Sheet 27 of 66		0	1	0	0	56	0	0	0	544	157	0	0	0	0	0	0	0	328	60	0	328	60	100	200
Sheet 28 of 66		0	3	0	2	0	0	0	0	400	71	0	0	0	0	0	0	0	98	0	0	98	0	40	100
Sheet 29 of 66		0	0	0	1	0	0	0	0	503	98	2	1	0	0	2	0	0	50	25	0	50	25	60	501
Sheet 30 of 66		0	0	0	0	0	0	0	0	363	95	0	1	0	0	0	0	0	148	49	0	148	49	70	112
Sheet 31 of 66		0	0	0	1	0	0	0	0	422	94	0	0	0	0	0	0	0	97	49	0	97	49	70	50
Sheet 32 of 66		0	3	0	0	0	0	0	0	0	90	0	0	0	0	0	18	0	0	0	0	0	0	90	0
Sheet 33 of 66		0	3	0	1	0	0	0	0	0	219	0	0	0	0	0	19	0	0	39	0	0	39	90	0
Sheet 34 of 66		0	2	0	0	0	0	0	0	0	127	0	0	0	0	0	14	0	0	18	0	0	18	110	0
Sheet 35 of 66		0	0	0	0	0	0	0	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	200	0
Sheet 36 of 66		0	0	0	0	0	0	0	0	336	99	0	0	0	0	0	0	0	202	30	0	202	30	120	150
Sheet 37 of 66		0	0	0	0	0	0	0	0	331	64	0	0	0	0	0	0	0	103	40	0	103	40	140	50
Sheet 38 of 66		0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200	0
Sheet 39 of 66		0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200	0
Sheet 40 of 66		0	0	0	0	0	0	0	0	409	97	0	0	0	0	0	0	0	0	0	0	0	0	140	100
Sheet 41 of 66		0	0	0	0	0	0	0	0	390	78	0	0	0	0	0	0	0	0	18	0	0	18	130	398
Sheet 42 of 66		0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200	389
Sheet 43 of 66		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200	282
Sheet 44 of 66		0	0	0	1	0	0	0	0	475	97	0	0	0	0	0	0	0	46	0	0	46	0	130	183
Sheet 45 of 66		0	0	0	1	0	0	0	0	418	98	0	0	0	0	0	0	0	31	0	0	132	50	30	230
Sheet 46 of 66		0	0	0	1	0	0	0	569	135	0	0	0	0	0	0	0	0	93	68	0	93	68	0	0
Sheet 47 of 66		6.25	0	0	2	0	0	260	0	0	190	0	0	0	0	4	0	0	91	20	0	0	100	0	0
Sheet 48 of 66		10	0	0	0	0	12	580	0	244	57	0	0	1	0	3	0	0	38	18	0	38	18	0	0
Sheet 49 of 66		22.5	0	0	0	0	24	665	0	74	18	0	0	1	0	5	0	0	0	18	0	0	18	0	0
Sheet 50 of 66		5	0	0	0	0	0	800	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0
Sheet 51 of 66		5	0	0	0	0	12	666	0	0	0	0	0	1	0	5	0	0	0	0	0	0	0	0	0
Sheet 52 of 66		12.5	0	0	1	0	24	521	0	371	91	0	0	1	0	5	0	0	44	19	0	44	19	0	0
Sheet 53 of 66		5	0	0	0	0	12	705	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sheet 54 of 66		5	1	0	0	0	24	515	0	85	400	0	0	1	0	3	0	0	0	38	0	0	38	0	0
Sheet 55 of 66		19.25	1	0	0	0	24	535	0	351	80	0	0	2	0	3	0	0	0	20	1	0	20	0	0
Sheet 56 of 66		6.25	0	0	0	0	18	311	0	194	44	0	0	1	0	3	0	0	136	32	1	167	32	0	0
Sheet 57 of 66		17.5	0	0	0	0	31	211	0	0	0	0	0	1	0	2	0	0	0	1	0	0	0	0	0
Sheet 58 of 66		27.5	0	1	0	0	18	264	0	0	0	0	0	1	0	4	0	0	0	0	1	0	0	0	0
Sheet 59 of 66		11.25	0	0	0	0	28	358	0	0	0	0	0	1	0	4	0	0	0	0	1	0	0	0	0
Sheet 60 of 66		16.25	0	0	0	0	12	431	0	0	0	0	0	2	0	4	0	0	0	0	1	0	0	0	0
Sheet 61 of 66		11.25	1	0	0	0	0	207	0	160	54	0	0	1	2	0	7	0	85	83	2	85	83	0	0
Sheet 62 of 66		0	1	0	0	0	12	201	0	108	122	0	0	1	0	2	7	0	166	20	1	166	90	0	0
Sheet 63 of 66		11.25	2	1	0	0	12	250	0	378	83	0	0	1	0	4	0	0	259	71	1	259	71	0	0
Sheet 64 of 66		0	3	0	0	35	0	211	0	242	85	0	0	0	0	2	0	71	68	53	0	68	53	0	0
Sheet 65 of 66		0	0	0	0	3	0	0	0	284	49	0	0	0	0	0	0	0	164	35	0	164	35	0	0
Sheet 66 of 66		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Project Total		191.75	41	2	31	530	293	7691	596	12603	5022	23	8	17	2	66	65	267	5382	1427	9	5002	2036	4510	6147

NO	DATE	REVISION	APPROVED
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URS
2829 Montana Suite 206
El Paso, Texas 79903
(915) 493-6468
TBPE REGISTRATION NO. F-3162

COEP STREETCAR

QUANTITY SUMMARY

G017

CONT	SECT	JOB	HIGHWAY
0924	06	446	VARIOUS
DIST		COUNTY	SHEET NO.
EL PASO		EL PASO	20

DATE: 7/31/2015 11:53:32 AM
FILE: c:\pwworking\andrew_higgins\transportationus\dms36669\GEN_QTY_07.dgn
DN: URS CK: URS DW: URS CK: URS

ADDENDUM 4 - JULY 31, 2015

SUMMARY OF SIGNING AND STRIPING	666	666	666	666	666	666	666	666	666	666	666	666	666	666	666	666	666	666
	6312	6315	2142	2145	2149	6176	2153	2155	2156	2157	2160	2165	2170	2173	2175	2176	2178	2183
	RE PM W/RET REQ TY I (Y) 4" (BRK) (100MIL)	RE PM W/RET REQ TY I (Y) 4" (SLD) (100MIL)	REF PAV MRK TY II (W) 4" (BRK)	REF PAV MRK TY II (W) 4" (SLD)	REF PAV MRK TY II (W) 6" (SLD)	REF PAV MRK TY II (W) 8" (DOT)	REF PAV MRK TY II (W) 8" (SLD)	REF PAV MRK TY II (W) 12" (SLD)	REF PAV MRK TY II (W) 18" (SLD)	REF PAV MRK TY II (W) 24" (SLD)	REF PAV MRK TY II (W) (ARROW)	REF PAV MRK TY II (W) (DBL ARROW)	REF PAV MRK TY II (W) (SYMBOL)	REF PAV MRK TY II (W) (WORD)	REF PAV MRK TY II (W) 36" (YLD TRI)	REFL PAV MRK TY II (Y) 4" (BRK)	REFL PAV MRK TY II (Y) 4" (SLD)	REF PAV MRK TY II (Y) 12" (SLD)
Sheet:	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	LF	LF	LF	LF
Sheet 1 of 66	60	642	70	100	0	0	0	0	340	89	5	0	0	0	0	60	642	0
Sheet 2 of 66	60	840	70	100	0	0	0	0	123	31	3	1	0	1	0	60	840	0
Sheet 3 of 66	0	660	120	269	0	0	0	0	227	66	3	3	0	2	0	0	660	17
Sheet 4 of 66	0	913	130	250	0	0	0	0	346	85	4	0	0	1	0	0	913	50
Sheet 5 of 66	0	904	160	281	0	0	0	0	365	91	0	0	0	0	0	0	904	80
Sheet 6 of 66	0	460	110	423	0	0	0	0	668	141	2	2	0	1	0	0	460	0
Sheet 7 of 66	0	500	100	300	0	0	0	0	161	342	0	0	0	0	0	0	500	0
Sheet 8 of 66	0	875	80	85	32	0	0	21	0	359	0	0	0	0	0	0	875	49
Sheet 9 of 66	0	460	74	130	42	0	0	6	0	321	0	0	0	0	0	0	460	0
Sheet 10 of 66	0	0	120	50	38	0	0	0	188	47	0	0	0	0	0	0	0	0
Sheet 11 of 66	0	0	100	368	38	2	0	0	465	132	0	0	0	0	0	0	0	0
Sheet 12 of 66	0	0	206	150	7	0	0	0	534	89	0	0	0	0	0	0	0	0
Sheet 13 of 66	0	56	220	150	63	0	0	0	299	73	0	0	0	0	0	0	56	0
Sheet 14 of 66	0	0	150	200	16	0	0	0	358	81	2	0	0	1	0	0	0	0
Sheet 15 of 66	0	0	40	298	10	28	0	0	666	165	0	0	0	0	0	0	0	0
Sheet 16 of 66	0	0	140	100	19	0	0	0	331	59	0	0	0	0	0	0	0	0
Sheet 17 of 66	0	0	160	56	65	0	0	0	196	46	1	0	0	1	0	0	0	0
Sheet 18 of 66	0	0	0	92	8	0	0	0	38	41	1	0	0	0	0	0	0	0
Sheet 19 of 66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sheet 20 of 66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sheet 21 of 66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sheet 22 of 66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sheet 23 of 66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sheet 24 of 66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sheet 25 of 66	40	100	20	0	0	0	0	0	36	0	0	0	1	0	0	40	100	0
Sheet 26 of 66	0	0	120	0	98	0	0	0	0	0	0	0	0	0	0	0	0	0
Sheet 27 of 66	0	0	100	200	56	0	0	0	544	157	0	0	0	0	0	0	0	0
Sheet 28 of 66	0	0	40	100	0	0	0	0	400	71	0	0	0	0	0	0	0	0
Sheet 29 of 66	0	166	60	501	0	0	0	0	503	98	2	1	0	2	0	0	166	0
Sheet 30 of 66	0	632	70	112	0	0	0	0	363	95	0	1	0	0	0	0	632	0
Sheet 31 of 66	0	634	70	50	0	0	0	0	422	94	0	0	0	0	0	0	634	0
Sheet 32 of 66	0	656	90	0	0	0	0	0	0	90	0	0	0	0	18	0	656	0
Sheet 33 of 66	0	610	90	0	0	0	0	0	0	219	0	0	0	0	19	0	610	0
Sheet 34 of 66	0	680	110	0	0	0	0	0	0	127	0	0	0	0	14	0	680	0
Sheet 35 of 66	0	800	200	0	0	0	0	0	45	0	0	0	0	0	0	0	800	0
Sheet 36 of 66	0	614	120	150	0	0	0	0	336	99	0	0	0	0	0	0	614	0
Sheet 37 of 66	0	624	140	50	0	0	0	0	331	64	0	0	0	0	0	0	624	0
Sheet 38 of 66	0	800	200	0	0	0	0	0	0	0	0	0	0	0	0	0	800	0
Sheet 39 of 66	0	800	200	0	0	0	0	0	0	0	0	0	0	0	0	0	800	0
Sheet 40 of 66	0	626	140	100	0	0	0	0	409	97	0	0	0	0	0	0	626	0
Sheet 41 of 66	0	628	130	398	0	0	0	0	390	78	0	0	0	0	0	0	628	0
Sheet 42 of 66	0	800	200	389	0	0	0	0	0	0	0	0	0	0	0	0	800	0
Sheet 43 of 66	0	800	200	282	0	0	0	0	0	0	0	0	0	0	0	0	800	0
Sheet 44 of 66	0	614	130	183	0	0	0	0	475	97	0	0	0	0	0	0	614	0
Sheet 45 of 66	0	410	30	230	0	0	0	0	418	98	0	0	0	0	0	0	410	0
Sheet 46 of 66	514	0	0	0	0	0	0	569	135	0	0	0	0	0	0	514	0	0
Sheet 47 of 66	0	15	0	0	0	0	260	0	0	190	0	0	0	4	0	0	15	0
Sheet 48 of 66	0	630	0	0	0	12	580	0	244	57	0	0	1	3	0	0	630	0
Sheet 49 of 66	0	730	0	0	0	24	665	0	74	18	0	0	1	5	0	0	730	0
Sheet 50 of 66	0	800	0	0	0	0	800	0	0	0	0	0	0	4	0	0	800	0
Sheet 51 of 66	0	652	0	0	0	12	666	0	0	0	0	0	1	5	0	0	652	0
Sheet 52 of 66	0	574	0	0	0	24	521	0	371	91	0	0	1	5	0	0	574	0
Sheet 53 of 66	0	710	0	0	0	12	705	0	0	7	0	0	0	0	0	0	710	0
Sheet 54 of 66	0	614	0	0	0	24	515	0	85	400	0	0	1	3	0	0	614	0
Sheet 55 of 66	0	638	0	0	0	24	535	0	351	80	0	0	2	3	0	0	638	0
Sheet 56 of 66	0	158	0	0	0	18	311	0	194	44	0	0	1	3	0	0	158	0
Sheet 57 of 66	0	0	0	0	0	31	211	0	0	0	0	0	1	2	0	0	0	0
Sheet 58 of 66	40	98	0	0	0	18	264	0	0	0	0	0	1	4	0	40	98	0
Sheet 59 of 66	160	670	0	0	0	28	358	0	0	0	0	0	1	4	0	160	670	0
Sheet 60 of 66	80	292	0	0	0	12	431	0	0	0	0	0	2	4	0	80	292	0
Sheet 61 of 66	0	0	0	0	0	0	207	0	160	54	0	0	1	0	7	0	0	0
Sheet 62 of 66	0	0	0	0	0	12	201	0	108	122	0	0	1	2	7	0	0	0
Sheet 63 of 66	0	0	0	0	0	12	250	0	378	83	0	0	1	4	0	0	0	0
Sheet 64 of 66	0	520	0	0	35	0	211	0	242	85	0	0	0	2	0	0	520	71
Sheet 65 of 66	0	676	0	0	3	0	0	0	284	49	0	0	0	0	0	0	676	0
Sheet 66 of 66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Project Total	954	25081	4510	6147	530	293	7691	596	12603	5022	23	8	17	66	65	954	25081	267

NO	DATE	REVISION	APPROVED
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COEP STREETCAR

QUANTITY SUMMARY

G018

CONT	SECT	JOB	HIGHWAY
0924	06	446	VARIOUS
DIST		COUNTY	SHEET NO.
EL PASO		EL PASO	21

DN: URS CK: URS DW: URS CK: URS

DATE: 7/31/2015 11:54:51 AM
FILE: c:\pwworking\andrew_higgins\transportationus\dms36669\GEN_QTY_08.dgn

ADDENDUM 4 - JULY 31, 2015

SUMMARY OF STREET RECONSTRUCTION	ITEM	104	104	104	104	105	105	341	341	247	247	305	305	315	360	360	360
	CODE	6001	6015	6017	6029	2039	2039	6026	6026	6041	6041	2014	2014	6004	6011	6011	6003
	DESC	REMOVING CONC (PAV)	REMOVING CONC (SIDEWALKS)	REMOVING CONC (DRIVEWAYS)	REMOVING CONC (CURB OR CURB & GUTTER)	REMOVE STAB BASE AND ASPH PAV (6"-20")	REMOVE STAB BASE AND ASPH PAV (6"-20") (ADD-ALT)	D-GR HMA TY-C SAC-A PG70-22	D-GR HMA TY-C SAC-A PG70-23 (ADD-ALT)	FL BS (CMP IN PLC) (TYA GR1-2) (FNAL POS)	FL BS (CMP IN PLC) (TYA GR1-2) (FNAL POS) (ADD-ALT)	SALV, HAUL& STKPL RCL APH PV (VAR DEPTH)	SALV, HAUL& STKPL RCL APH PV (VAR DEPTH) (ADD-ALT)	FOG SEAL (CSS-1H) (ADD-ALT	CONC PVMT (CONT REINF-CRCP) (8.5")	CONC PVMT (CONT REINF-CRCP) (8.5") IN LIEU OF D-GR HMA TY-C SAC-A PG70-23 (ADD-ALT)	CONC PVMT (CONT REINF-CRCP) (9")
DRAWING NO.	UNIT	SY	SY	SY	LF	SY	SY	TON	TON	CY	CY	SY	SY	GAL	SY	SY	SY
Stanton-Oregon Loop																	
C113		3174	123	0	88	3795	0	0	0	485	0	0	0	0	2285	0	0
C114		177	314	318	574	3922	0	747	0	774	0	148	0	0	426	0	0
C115		0	493	445	694	4219	0	797	0	772	0	222	0	0	0	0	0
C116		0	381	196	1344	4406	0	1335	0	821	0	117	0	0	0	0	0
C117		14	618	288	1082	4560	0	1688	9	851	0	0	86	0	14	0	0
C118		684	365	162	528	1975	0	158	190	279	0	0	1730	0	127	0	0
C119		0	193	114	875	2342	0	488	286	359	0	0	2598	0	0	0	0
C120		0	187	42	580	2589	0	571	299	414	0	0	2721	0	0	0	0
C121		0	228	61	787	2648	0	573	291	428	0	0	2645	0	0	0	0
C122		0	314	127	581	2320	0	730	68	374	0	1748	620	0	0	0	0
C123		1386	180	0	117	2578	0	161	0	716	0	136	0	0	0	0	1386
C124		142	131	0	631	1778	0	203	0	235	0	0	0	361	0	0	142
C125		0	217	41	615	1704	0	218	0	218	0	0	0	398	0	0	0
C126		0	26	0	597	2338	0	358	0	358	0	0	0	403	0	0	0
C127		0	15	0	497	1812	0	242	0	244	0	0	0	479	0	0	0
C128		1638	40	0	585	1735	0	12	0	175	0	0	0	23	0	0	0
C129		2685	0	0	631	2685	0	0	0	226	0	0	0	0	0	0	0
C130		1750	0	0	592	1750	0	0	0	100	0	0	0	0	0	0	0
C131		1372	0	0	582	1372	0	0	0	56	0	0	0	0	0	0	0
C132		2213	39	0	180	2213	0	9	0	155	0	0	0	0	0	0	0
Downtown Loop																	
C100		2558	0	233	271	2558	0	0	0	415	0	0	0	0	1855	0	0
C101		1495	163	263	970	3410	1476	425	0	600	328	0	0	0	775	3396	0
C102		0	480	110	450	3986	1325	740	0	728	295	0	0	0	0	4600	0
C103		340	89	0	280	1938	496	291	95	294	110	0	860	0	0	1185	0
C104		2423	15	0	150	2743	0	42	48	430	0	0	440	0	1735	0	0
C105		2461	100	0	25	2523	0	12	3	409	0	0	28	0	1786	0	0
C106		1328	40	285	405	2416	0	439	151	780	0	0	1375	0	1020	0	0
C107		1540	435	375	520	2862	0	238	111	281	0	0	1015	0	1265	0	0
C108		500	155	0	290	1586	0	164	66	245	0	0	605	0	350	0	0
C112		792	0	0	110	792	0	0	0	139	0	0	0	0	622	0	0
Project-Wide																	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROJECT TOTAL		28672	5341	3060	15631	77555	3297	10640	1618	12361	733	2371	14723	1664	12260	9181	1528

SUMMARY OF STREET RECONSTRUCTION	ITEM	360	529	530	531	531	531	531	531	EP - TRACK REMOVAL
	CODE		6008	6004	6001	2022			2060	
	DESC	CONC PVMT (CONT REINF-CRCP) (9.5")	CONC CURB & GUTTER (TY II)	DRIVEWAYS (CONC)	CONC SIDEWALKS (4")	CURB RAMPS (TY 7) (MOD)	CURB RAMPS (TY 5) (MOD)	CURB RAMPS (TY 6) (MOD)	CURB RAMPS (TY 1) (MOD)	HISTORIC STREETCAR TRACK REMOVAL
DRAWING NO.	UNIT	SY	LF	SY	SY	EA	EA	EA	EA	LF
Stanton-Oregon Loop										
C113		0	88	0	123	7	2	0	1	50
C114		0	574	318	314	8	0	0	0	450
C115		0	694	445	493	14	0	0	0	130
C116		0	1344	196	381	8	1	0	1	0
C117		0	1082	288	618	4	0	0	2	0
C118		558	528	162	365	10	0	0	0	210
C119		0	875	114	193	0	0	0	0	0
C120		0	580	42	187	0	0	0	2	0
C121		0	787	61	228	0	0	0	0	0
C122		0	581	127	314	2	0	0	2	0
C123		0	117	0	180	1	0	0	3	0
C124		0	631	0	131	0	0	0	0	0
C125		0	615	41	217	0	0	0	0	0
C126		0	597	0	26	0	0	0	0	0
C127		0	497	0	15	0	0	0	0	0
C128		720	585	0	40	8	0	0	0	100
C129		1745	631	0	0	0	0	0	0	515
C130		800	592	0	0	0	0	0	0	290
C131		442	582	0	0	0	0	0	0	285
C132		1238	180	0	132	1	0	0	1	810
Downtown Loop										
C100		0	271	233	0	0	0	0	0	0
C101		0	970	263	163	5	0	2	1	90
C102		0	450	90	480	3	0	1	2	80
C103		0	280	0	90	0	0	1	0	0
C104		0	150	0	125	3	0	0	1	130
C105		0	25	0	100	13	0	0	1	50
C106		0	485	285	135	2	0	0	2	140
C107		0	520	375	531	13	0	0	1	200
C108		0	290	0	198	7	0	0	1	0
C112		0	110	0	0	0	0	0	0	0
Project-Wide										
		0	0	0	0	0	0	0	0	180
PROJECT TOTAL		5503	15711	3040	5779	109	3	4	21	3710

NO	DATE	REVISION	APPROVED
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COEP STREETCAR

QUANTITY SUMMARY

G019

CONT	SECT	JOB	HIGHWAY
0924	06	446	VARIOUS
DIST		COUNTY	SHEET NO.
EL PASO		EL PASO	22

DN: URS CK: URS DW: URS CK: URS

DATE: 7/31/2015 11:55:51 AM
FILE: c:\pwworking\andrew_higgins\transportationus\dms36669\GEN_QTY_09.dgn

ADDENDUM 4 - JULY 31, 2015

SUMMARY OF MSF DRAINAGE

Item No.	Item Specification	Estimated Quantity	Unit	Item Description
1	(EP-MSF) 33 11 13 & Std W&S Specs	241	LF	6" Sanitary Sewer (SDR 35)(PVC)
2	(EP-MSF) 33 11 13 & Std W&S Specs	51	LF	4" Sanitary Sewer (SDR 13)(PVC)
3	(EP-MSF) 33 05 13	4	EA	48" Sanitary Sewer Manhole
4	(EP-MSF) 33 11 13 & Std W&S Specs	124	LF	6" Fire Service Line (DR 18)(PVC)
5	(EP-MSF) 33 11 13 & Std W&S Specs	119	LF	2" Water Service Line (TY K)(COPPER)
6	(EP-MSF) 33 11 13 & Std W&S Specs	1	EA	6" Backflow (Fire Service Line)
7	(EP-MSF) 33 11 13 & Std W&S Specs	1	EA	6" Water Valve (Fire Service Line)
8	(EP-MSF) 33 11 13 & Std W&S Specs	1	EA	2" Meter Assembly (Water Line)
9	(EP-MSF) 32 13 13	467	SY	Conc Sidewalks (4")
10	(EP-MSF) 32 13 13	1,638	SY	Conc Pvmt (Jointed-CPCD)(8")
11	(EP-MSF) 32 13 13	3	EA	Curb Ramps (TY 1)
12	(EP-MSF) 32 13 13	2	EA	Curb Ramps (TY 10)
13	(EP-MSF) 32 13 13	918	LF	Conc Curb & Gutter (TY II)
14	(EP-MSF) 32 13 13	125	LF	Conc Curb (TY II)
15	(EP-MSF) 33 05 13	4	EA	INLET (TY II)
16	(EP-MSF) 33 41 00	832	LF	RC Pipe (CL III)(18 IN)
17	(EP-MSF) 33 05 13	6	EA	Manh (48")
18	(EP-MSF) 33 05 13	1	EA	Manh (Junct Box)
19	(EP-MSF) 01 50 00	433	LF	Temporary Sediment Control Fence Instl
20	(EP-MSF) 01 50 00	70	SY	Construction Exits (Install) (TY 1)
21	644	1	EA	ACCESSIBLE PARKING SIGN
22	(EP-MSF) 32 17 13	2	EA	WHEEL STOPS
23	(EP-MSF) 32 17 23	275	LF	Ref Pav Mrk TY II (W) 4" (SLD)
24	(EP-MSF) 32 17 23	88	LF	Ref Pav Mrk TY II (W) 24" (SLD)
25	(EP-MSF) 32 13 13	22	SY	6" Reinforced Concrete
26	(EP-MSF) 04 20 00	5.3	CY	3' High Rockwall (1' Above Ground, 1' Vertical Difference, 1' Below Ground)
10A	(EP-MSF) 32 13 13	513	SY	Conc Pvmt (Jointed-CPCD)(8") (ADD-ALT)

SUMMARY OF MSF LANDSCAPING	ITEM	170	1003	1003	1005	EP-LAND	1003	170	192	192	192	170	751
	CODE												
	DESC	ALTER EXISTING IRRIGATION SYSTEM	TRANSPLANT PLANT MATERIAL - TREES	TRANSPLANT PLANT MATERIAL - SHRUBS	FURNISH AND INSTALL LOOSE AGGREGATE	FURNISH AND INSTALL TREE GRATE-CLYDE BY CITYGREEN	RELOCATE BOULDERS	IRRIGATION SYSTEM	PLANT MATERIAL (TREE)	PLANT MATERIAL (SHRUB)	PLANT MATERIAL (GROUNDCOVER)	IRRIGATION SYSTEM OPERATION AND REPAIR	PLANT BED MAINTENANCE
	UNIT	LS	EA	EA	CY	EA	TON	LS	EA	EA	EA	MONTH	CYCLE
MSF LAND & IRRIGATION		1	11	90	20	2	5	1	4	106	22	3	1

SUMMARY OF DRAINAGE	ITEM	400	402	420	464	464	464	464	464	481	465	465	465	479	496
	CODE	6003	6001	6071	6003	6005	6008	6009	6012	6016	6269	6270	6251	6007	6002
	DESC	STRUCT EXCAV (PIPE)	TRENCH EXCAVATION PROTECTION	CL C CONC (COLLAR)	RC PIPE (CL III) (18 IN)	RC PIPE (CL III)(24 IN)	RC PIPE (CL III)(36 IN)	RC PIPE (CL III)(42 IN)	RC PIPE (CL III)(60 IN)	PVC PIPE (SCH 40)(12 IN)	INLET (COMPL)(TY C)	MANH (COMPL)(TY M)	INLET EXT (TY E)	ADJ MANH (CAP)	REMOV STR (INLET)
DRAWING NO:	UNIT	CY	LF	EA	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA
Storm Sewer Plan & Profile															
C622		75	28	2	-	16	-	-	-	12	1	-	2	-	1
C623		84	20	2	16	-	-	-	-	-	2	-	-	-	2
C624		331	35	4	-	-	16	8	8	-	-	1	-	-	-
C629		156	70	1	60	-	-	-	-	-	-	-	-	-	-
C630		32	10	1	-	8	-	-	-	-	1	-	1	2	1
C631		32	10	1	-	8	-	-	-	-	1	-	2	2	1
C632		32	10	1	-	8	-	-	-	-	1	-	1	1	1
C633		50	30	-	-	-	-	-	-	-	-	-	-	2	-
PROJECT TOTAL		792	213	12	76	40	16	8	8	12	6	1	6	7	6

SUMMARY OF DRAINAGE	ITEM	496	496	465
	CODE	6003	6007	
	DESC	REMOV STR (MANHOLE)	REMOV STR (PIPE)	INLET (COMPL)(DROP)(TY III)(10 GRATE)
DRAWING NO:	UNIT	EA	LF	EA
Storm Sewer Plan & Profile				
C622		-	28	-
C623		-	16	-
C624		1	35	-
C629		-	24	-
C630		-	8	-
C631		-	8	-
C632		-	8	-
C633		-	-	2
PROJECT TOTAL		1	127	2

NO	DATE	REVISION	APPROVED
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COEP STREETCAR

QUANTITY SUMMARY

G020

CONT	SECT	JOB	HIGHWAY
0924	06	446	VARIOUS
DIST		COUNTY	SHEET NO.
EL PASO		EL PASO	23

DATE: 7/31/2015 11:56:56 AM
FILE: c:\pwworking\andrew_higgins\transportationus\dms36669\GEN_QTY_10.dgn
DN: URS CK: URS DW: URS CK: URS

ADDENDUM 4 - JULY 31, 2015

SUMMARY OF STRUCTURAL ITEMS	ITEM	416/34 23 71	416/34 23 71	34 23 71-1	34 23 71-2	420	420	439	442	EP-GROUT	EP-GROUT	422
	CODE	6004	6004			6043	6025		6007			6015
	DESC	DRILL SHAFT (36 IN)	DRILL SHAFT (36 IN) (ADD-ALT)	DRILL SHAFT (36 IN) (ROCK) (ALLOWANCE)	DRILL SHAFT CASING (36 IN) (ALLOWANCE)	CL C CONC (FOOTING)	CL C CONC (BENT)	LATEX-MODIFIED CONC OVERLAY (2.8 IN)	STRUCTURAL STEEL (MISCELLANEOUS NON-BRIDGE)	PRESSURE GROUT INJECTION (UP TO 720 CF)	GROUT VOLUME IN EXCESS OF 720 CF	APPROACH SLAB
	UNIT	LF	LF	LF	LF	CY	CY	SY	LB	LS	CF	CY
Oregon Street Underpass							0.9	956	527			
Stanton Street Underpass							0.9	956	659			
TPSS A1 Foundation						15						
TPSS A2 Foundation						15						
TPSS A3 Foundation						15						
TPSS A4 Foundation						15						
UPTOWN LOOP:												
P1		1590		(ALLOWANCE)	(ALLOWANCE)							
P2		451										
P3		266										
P4		187										
DOWNTOWN LOOP:												
P1		410	140									
P2		1152										
P3		768										
P4		600										
STANTON ST. BRIDGE @ I-10:												80
P2		86										
OREGON ST. BRIDGE @ I-10:												
P1		42										
										1	200	
PROJECT TOTAL		5552	140	750	500	60	1.8	1912	1186	1	200	80

NO	DATE	REVISION	APPROVED
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URS
2829 Montana Suite 206
El Paso, Texas 79903
(915) 493-6468
TBPE REGISTRATION NO. F-3162

COEP STREETCAR

QUANTITY SUMMARY

G021

CONT	SECT	JOB	HIGHWAY
0924	06	446	VARIOUS
DIST		COUNTY	SHEET NO.
EL PASO		EL PASO	24

DATE: 7/31/2015 11:57:50 AM
FILE: c:\pwworking\andrew_higgins\transportationus\dms36669\GEN_QTY_11.dgn
DN: URS CK: URS DW: URS CK: URS

ADDENDUM 4 - JULY 31, 2015

SUMMARY OF LIGHTING	ITEM	416	618	618	620	624	~~EP-LUMI~~NAIRE	EP-LUMINAIRE	EP-FENCE GROUND	416	618	618	620	624	EP-LUMINAIRE
	CODE	6029	6023	6024	6006					6029	6023	6024	6006		
	DESC	DRILL SHAFT (RDWY ILL POLE) (30 IN)	CONDT (PVC) (SCHD 40) (2")	CONDT (PVC) (SCHD 40) (2") (BORE)	ELEC CONDR (NO. 10) INSULATED	JUNCTION BOX	LED FIXTURES (DARK SKY COMPLIANT)	LED FIXTURES (STANDARD TYPE)	FENCE GROUNDING	DRILL SHAFT (RDWY ILL POLE) (30 IN) (ADD-ALT)	CONDT (PVC) (SCHD 40) (2") (ADD-ALT)	CONDT (PVC) (SCHD 40) (2") (BORE) (ADD-ALT)	ELEC CONDR (NO. 10) INSULATED (ADD-ALT)	JUNCTION BOX (ADD-ALT)	LED FIXTURES (DARK SKY COMPLIANT) (ADD-ALT)
STOP:	UNIT	LF	LF	LF	LF	EA	EA	EA	LS	LF	LF	LF	LF	EA	EA
C501											78		234	2	
C502										8	59		177	1	
C503											76		228		
C504										8	25		75	2	
C505											218		654	2	
C507										8	215		645	2	
C506										8	122		366	1	
C508		8	99	58	471	4		2							
C510											219		657	1	2
C511										8	89		267	1	2
C512										8	257		771	3	
C513											106		318	1	2
C514										8	81		243	2	2
C515										8	111		333	1	2
C516										8	65	16	243	2	2
C517											213		639	1	2
C518										8	32		96	1	2
C519										8	76	108	552	6	2
C520		8	92		276		2								2
C521			74		222	2	2								
C522			38	27	195	2	2								
C523											24		72		
C524											32		96		2
C525										8	4		12		2
C526		8	70		210	2	2								
C527										8	43		129		2
C528											234		702	1	
JOINT USE POLES NOT AT STOP LOCATIONS											16031	0	47662	31	34
STANTON/OREGON BRIDGES OVER IH10															
Project Total		24	373	85	1374	10	8	2	1	104	18410	124	55171	61	60

SUMMARY OF LIGHTING	EP-LUMINAIRE	EP-LUMINAIRE	EP-ARM
	LED FIXTURES (STANDARD TYPE) (ADD-ALT)	DECORATIVE LIGHT POLE (NON-OCS) (ADD-ALT)	BANNER ARMS (2 PER EACH)
STOP:	EA	EA	EA
C501	2		
C502	2	1	
C503	2		
C504	2	1	
C505	2		
C507	2	1	
C506	2	1	
C508		1	
C510			
C511		1	
C512	2	1	
C513		1	
C514			
C515		1	
C516			
C517			
C518			
C519			
C520			
C521		1	
C522		1	
C523	2		
C524			
C525		1	
C526		1	
C527		1	
C528	2	1	
JOINT USE POLES NOT AT STOP LOCATIONS	44		230
STANTON/OREGON BRIDGES OVER IH10			
Project Total	64	15	230

NO	DATE	REVISION	APPROVED
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2829 Montana Suite 206
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(915) 493-6468
TBPE REGISTRATION NO. F-3162

COEP STREETCAR

QUANTITY SUMMARY

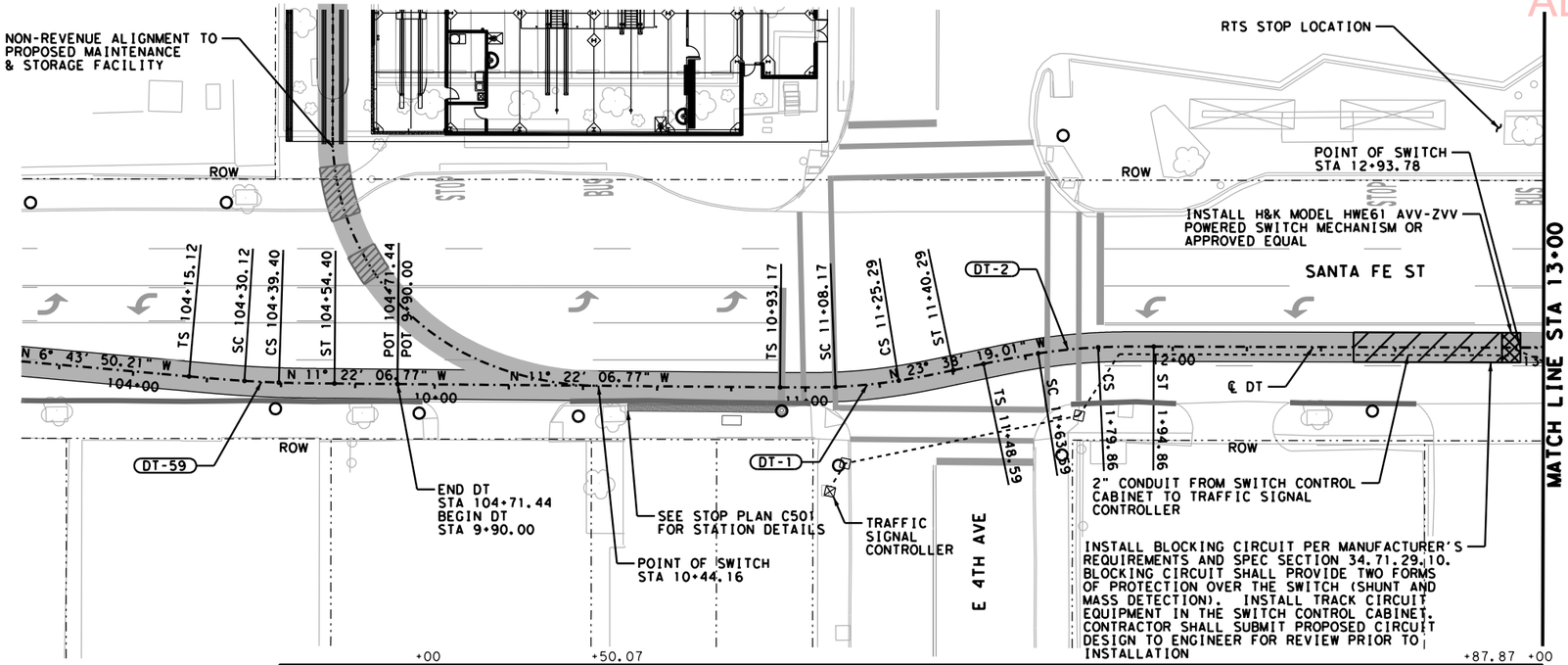
G022

CONT	SECT	JOB	HIGHWAY
0924	06	446	VARIOUS
DIST		COUNTY	SHEET NO.
EL PASO		EL PASO	25

DN: URS CK: URS DW: URS CK: URS

DATE: 7/31/2015 11:58:48 AM
FILE: c:\pwworking\andrew_higgins\transportationus\dms36669\GEN_QTY_12.dgn

ADDENDUM 4 - JULY 21, 2015



TRACK SECTION	K942	A/K940	K943
TEX-LEFT		0%	
e		0%	
TEX-RIGHT		0%	

0' 20' 40'
SCALE IN FEET

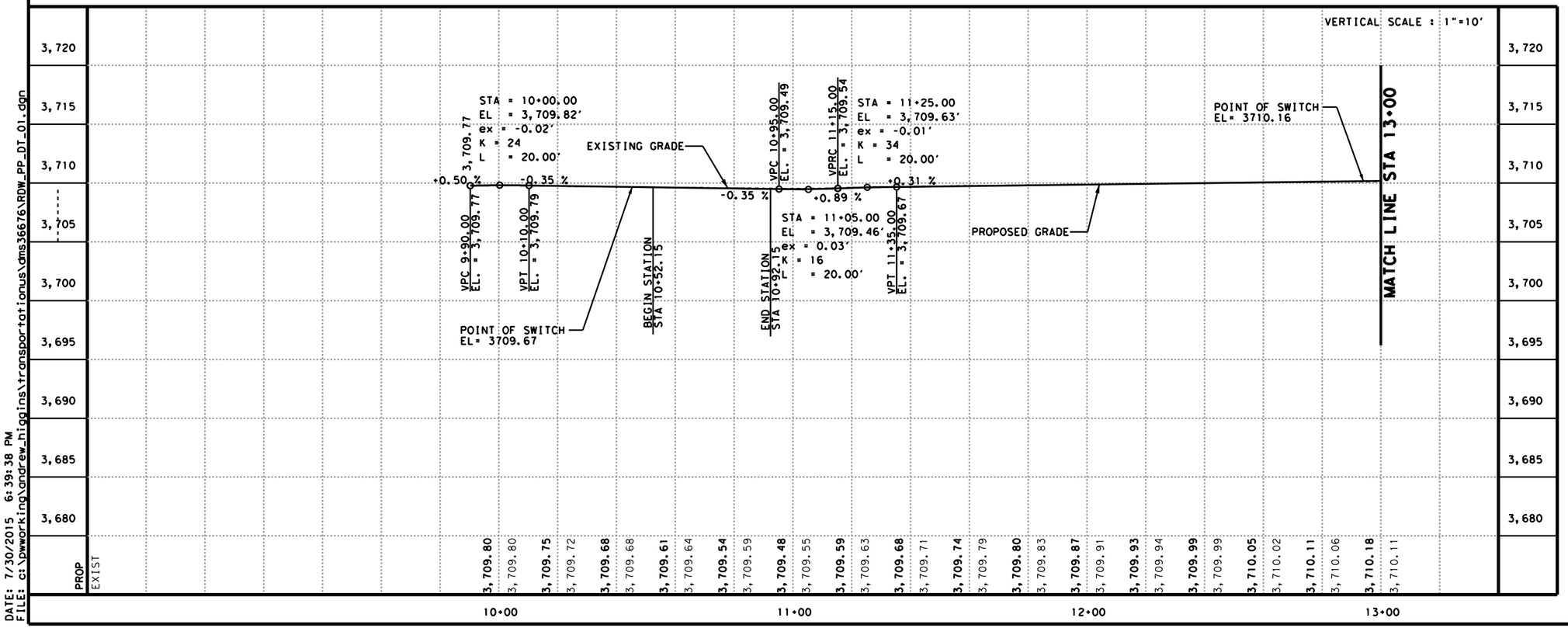
N

LEGEND

- LIMITS OF STREET RECONSTRUCTION
- CENTERLINE STREETCAR ALIGNMENT
- TRACK SLAB
- TRACK SLAB OVER UTILITY VAULT SEE DETAIL K956
- (XX-XX) CURVE NAME
- PROPOSED OCS POLE

NOTES:

1. SEE TRAFFIC SIGNAL SHEETS FOR TRAFFIC SIGNAL MODIFICATIONS.
2. SEE UTILITY SHEETS FOR EXISTING AND PROPOSED UTILITY INFORMATION.
3. REFER TO HORIZONTAL ALIGNMENT DATA SHEETS FOR CURVE DATA AND ALIGNMENT INFORMATION.
4. SEE STOP DETAIL SHEETS FOR PROPOSED STOP INFORMATION.
5. CONTRACTOR TO FIELD ADJUST TRACK SLOPE TRANSITIONS AS NECESSARY.
6. BASEMENT INFORMATION SHOWN HEREON IS APPROXIMATE AND BASED ON CBD II AND CBD III AS-BUILTS AND IDENTIFICATION OF SURFACE FEATURES ONLY.
7. EXISTING ROADWAY PROFILE MAY VARY FROM SURVEY PERFORMED SPRING 2013.
8. SEE GEOTECH REPORT FOR INFORMATION REGARDING BORE HOLES.
9. SEE STREET RECONSTRUCTION SHEETS FOR PROPOSED RECONSTRUCTION LIMITS.
10. SEE TYPICAL SECTIONS FOR WIDENED TRACK SLAB LIMITS.
11. SEE TRACK DETAIL DRAWING SERIES K940 TO K956 FOR TRACK SLAB AND SPECIAL TRACKWORK DETAILS.
12. SEE OVERHEAD CONTACT SYSTEM SHEETS FOR PROPOSED OCS POLE LAYOUT.



NO	DATE	REVISION	APPROVED
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	/ /		
	/ /		

STATE OF TEXAS
DEREK E. BENEDICT
112544
LICENSED
PROFESSIONAL ENGINEER
7/24/15

URS
2829 Montana Suite 206
El Paso, Texas 79903
(915) 493-6468
TBPE REGISTRATION NO. F-3162

COEP STREETCAR TRACK PLAN AND PROFILE

BEGIN DT LOOP TO STA 13+00

THE CITY OF EL PASO TEXAS

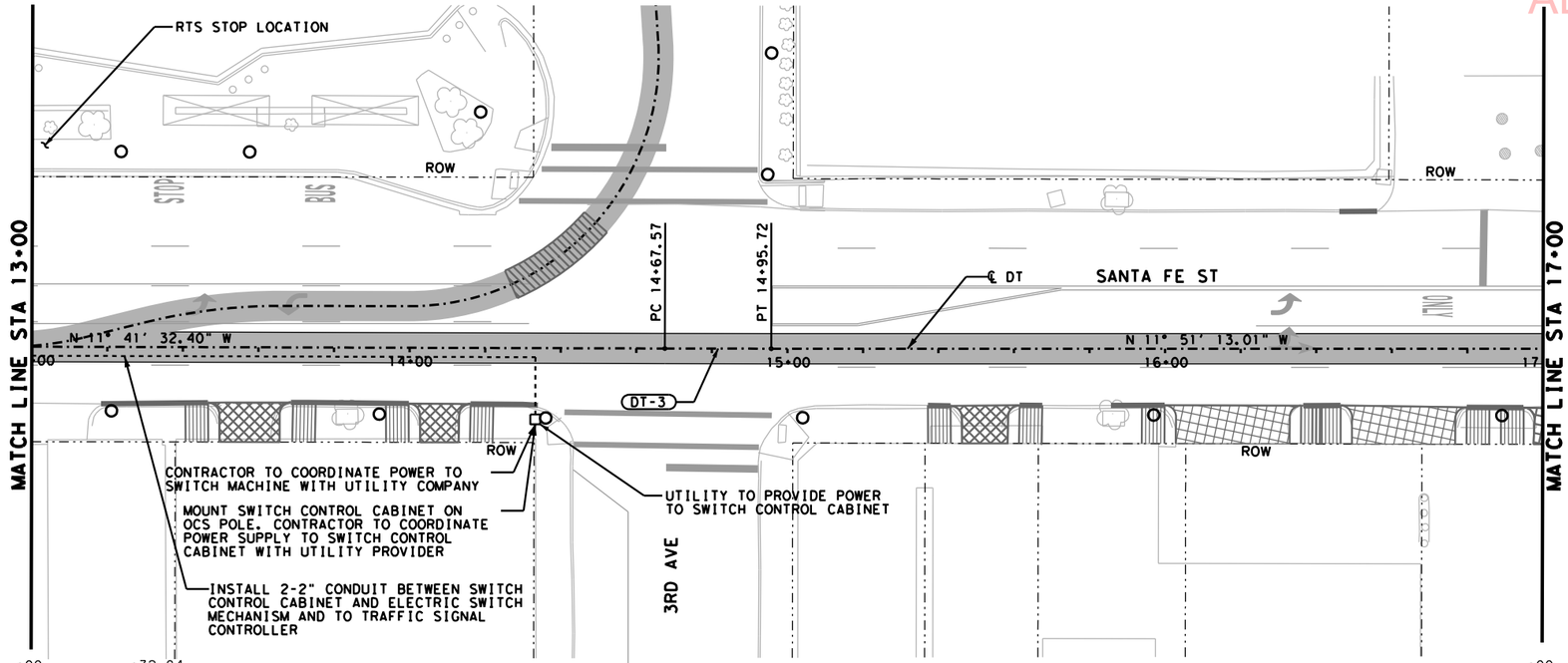
K100

CONT	SECT	JOB	HIGHWAY
0924	06	446	VARIOUS
DIST		COUNTY	SHEET NO.
EL PASO		EL PASO	42

DATE: 7/30/2015 6:39:38 PM
FILE: c:\pwworking\andrew_higgins\transportationus\dms36676\ROW_PP_DT_01.dgn

DN: URS CK: URS DW: URS CK: URS

ADDENDUM 4 - JULY 21, 2015



TRACK SECTION	K943	A/K940
TEX-LEFT		0%
e		0%
TEX-RIGHT		0%

0' 20' 40'
SCALE IN FEET

N

LEGEND

- LIMITS OF STREET RECONSTRUCTION
- CENTERLINE STREETCAR ALIGNMENT
- TRACK SLAB
- TRACK SLAB OVER UTILITY VAULT SEE DETAIL K956
- (XX-XX) CURVE NAME
- PROPOSED OCS POLE

NOTES:

1. SEE TRAFFIC SIGNAL SHEETS FOR TRAFFIC SIGNAL MODIFICATIONS.
2. SEE UTILITY SHEETS FOR EXISTING AND PROPOSED UTILITY INFORMATION.
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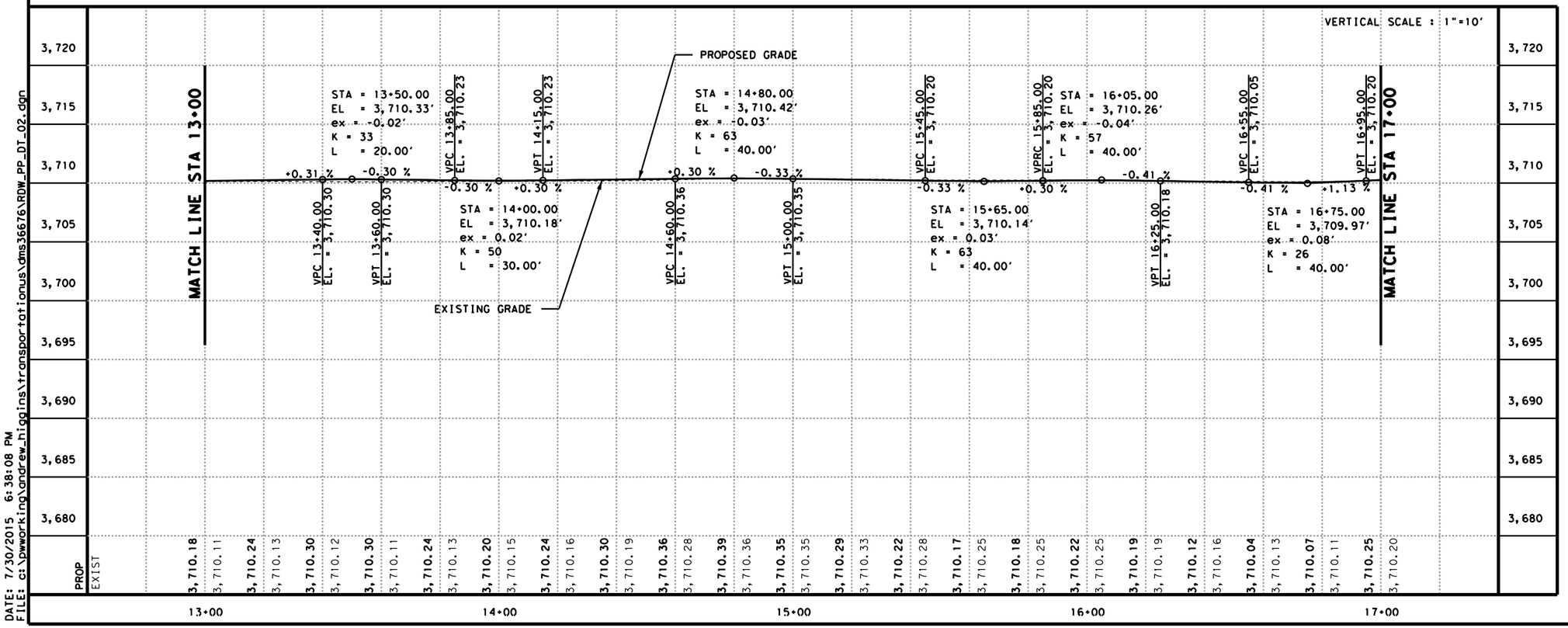
10. SEE TYPICAL SECTIONS FOR WIDENED TRACK SLAB LIMITS.
11. SEE TRACK DETAIL DRAWING SERIES K940 TO K956 FOR TRACK SLAB AND SPECIAL TRACKWORK DETAILS.
12. SEE OVERHEAD CONTACT SYSTEM SHEETS FOR PROPOSED OCS POLE LAYOUT.



NO	DATE	REVISION	APPROVED
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	/ /		

STATE OF TEXAS
DEREK E. BENEDICT
112544
LICENSED
PROFESSIONAL ENGINEER
7/24/15

URS
2829 Montana Suite 206
El Paso, Texas 79903
(915) 493-6468
TBPE REGISTRATION NO. F-3162

COEP STREETCAR TRACK PLAN AND PROFILE

STA 13+00 TO STA 17+00

THE CITY OF EL PASO TEXAS

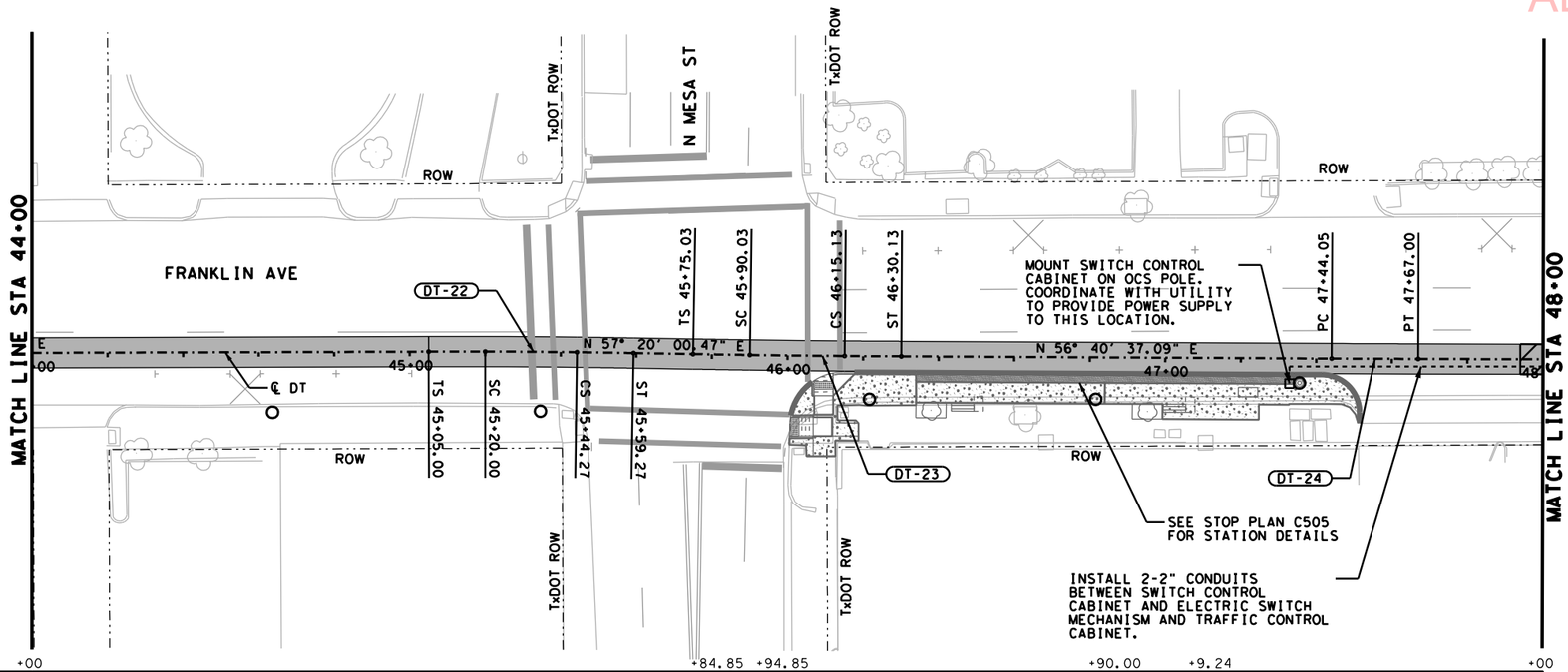
K101

CONT	SECT	JOB	HIGHWAY
0924	06	446	VARIOUS
DIST		COUNTY	SHEET NO.
EL PASO		EL PASO	43

DN: URS CK: URS DW: URS CK: URS

DATE: 7/30/2015 6:38:08 PM
FILE: c:\pwworking\andrew_higgins\transportationus\dms36676\ROW_PP_DT_02.dgn

ADDENDUM 4 - JULY 1, 2015



TRACK SECTION	A/K940	K956	A/K940	K956	A/K940
TEX-LEFT	0%				
e	0%				
TEX-RIGHT	0%				

0' 20' 40'
SCALE IN FEET

LEGEND

- LIMITS OF STREET RECONSTRUCTION
- CENTERLINE STREETCAR ALIGNMENT
- TRACK SLAB
- TRACK SLAB OVER UTILITY VAULT SEE DETAIL K956
- (XX-XX) CURVE NAME
- ○ PROPOSED OCS POLE

NOTES:
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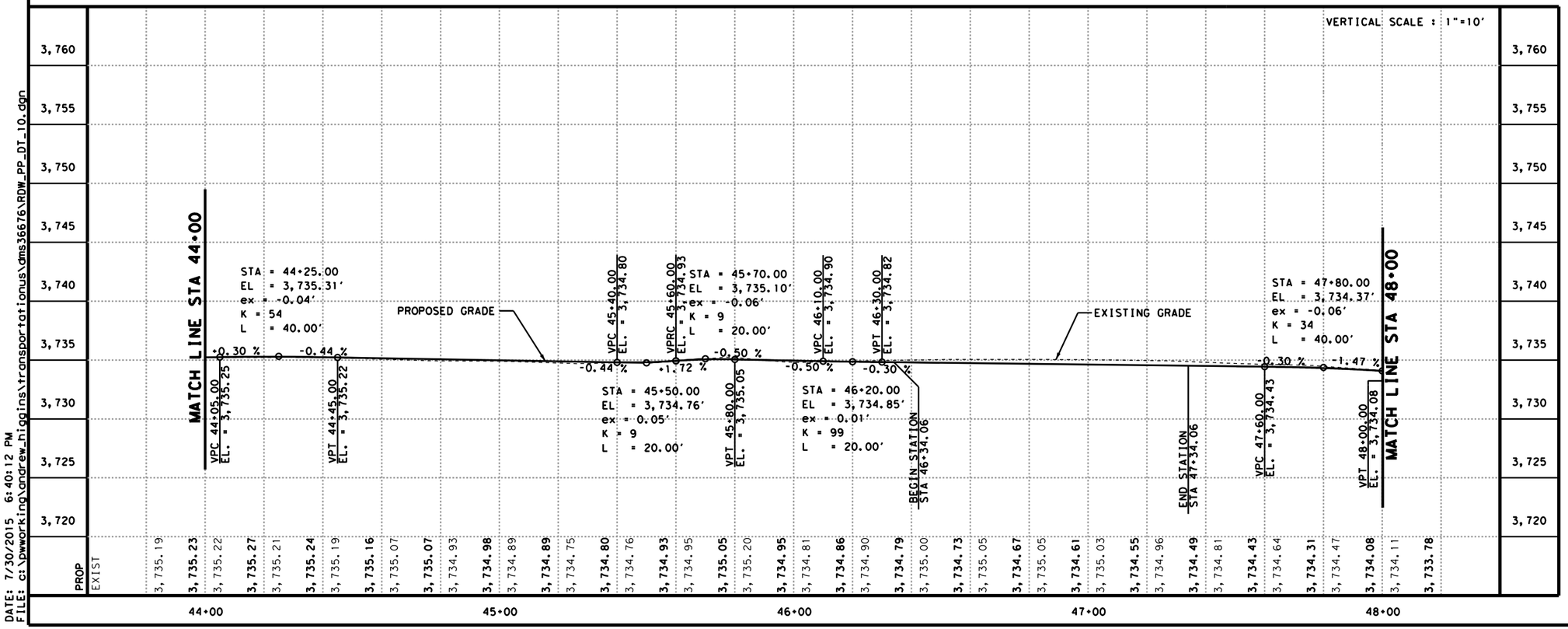

NO	DATE	REVISION	APPROVED
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STATE OF TEXAS
DEREK E. BENEDICT
112544
LICENSED
PROFESSIONAL ENGINEER
7/24/15

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2829 Montana Suite 206
El Paso, Texas 79903
(915) 493-6468
TBPE REGISTRATION NO. F-3162

COEP STREETCAR TRACK PLAN AND PROFILE

STA 44+00 TO STA 48+00

THE CITY OF EL PASO TEXAS

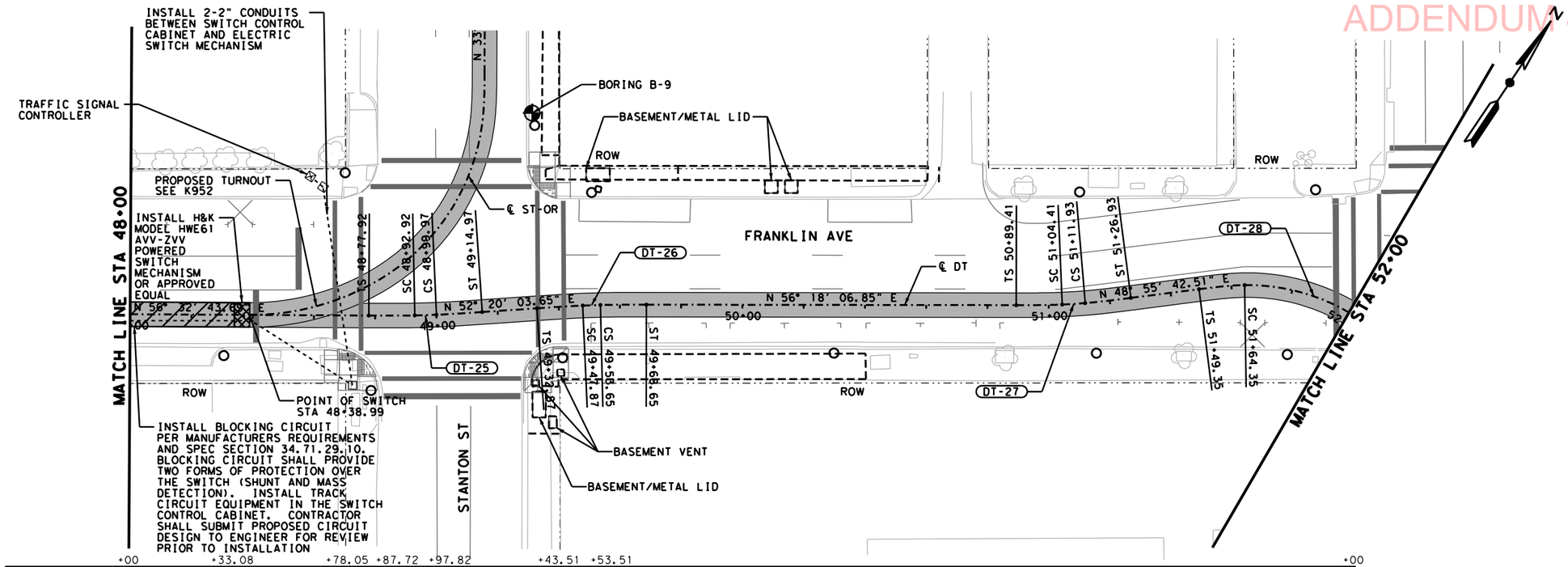
K109

CONT	SECT	JOB	HIGHWAY
0924	06	446	VARIOUS
DIST		COUNTY	SHEET NO.
EL PASO		EL PASO	51

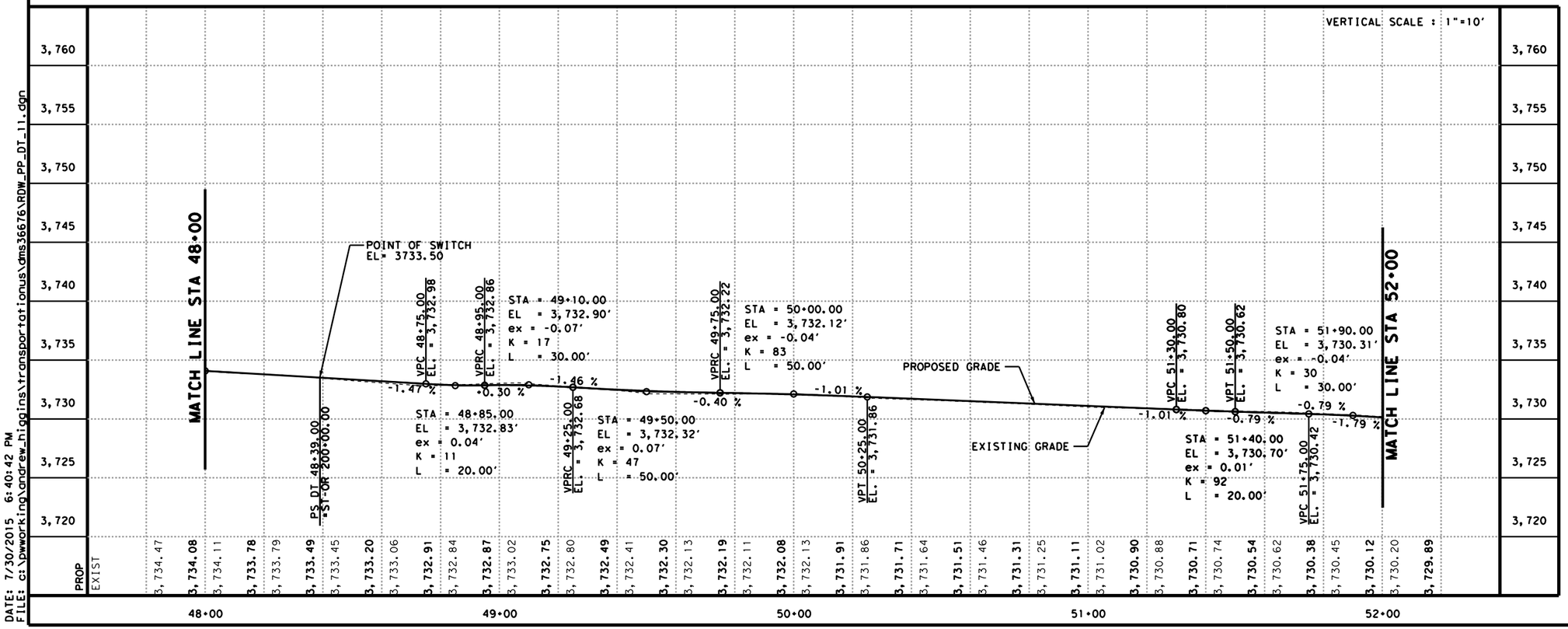
DN: URS CK: URS DW: URS CK: URS

DATE: 7/30/2015 6:40:12 PM
FILE: c:\pwworking\andrew_higgins\transportationus\dms36676\ROW_PP_DT_10.dgn

ADDENDUM 4 - JULY 1, 2015



TRACK SECTION	A/K940	K942	K956	A/K940	K956	A/K940
TEX-LEFT	0%					
e	0%					
TEX-RIGHT	0%					



LEGEND

- LIMITS OF STREET RECONSTRUCTION
- CENTERLINE STREETCAR ALIGNMENT
- TRACK SLAB
- TRACK SLAB OVER UTILITY VAULT SEE DETAIL K956
- (XX-XX) CURVE NAME
- PROPOSED OCS POLE

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NO	DATE	REVISION	APPROVED
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STATE OF TEXAS
DEREK E. BENEDICT
112544
LICENSED
PROFESSIONAL ENGINEER
7/24/15

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(915) 493-6468
TBPE REGISTRATION NO. F-3162

COEP STREETCAR TRACK PLAN AND PROFILE

STA 48+00 TO STA 52+00

THE CITY OF EL PASO TEXAS

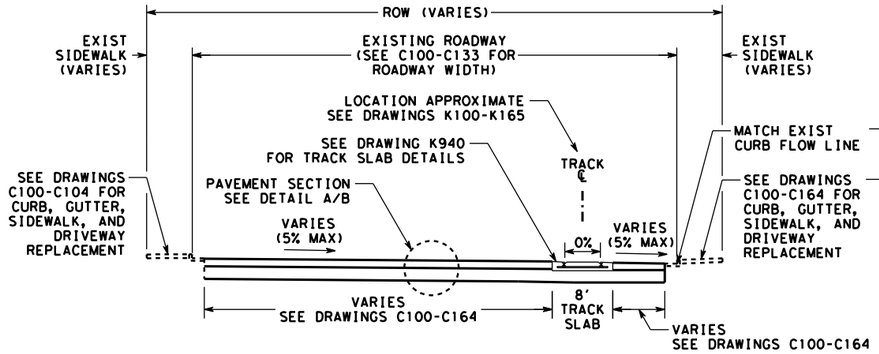
K110

CONT	SECT	JOB	HIGHWAY
0924	06	446	VARIOUS
DIST		COUNTY	SHEET NO.
EL PASO		EL PASO	52

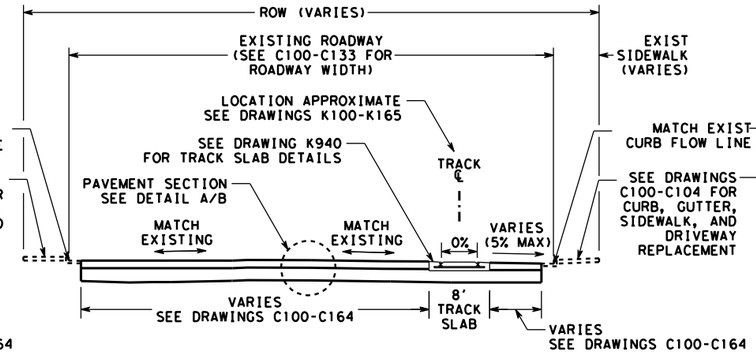
DATE: 7/30/2015 6:40:42 PM
FILE: c:\pwworking\andrew_higgins\transportationus\dms36676\ROW_PP_DT_11.dgn

DN: URS CK: URS DW: URS CK: URS

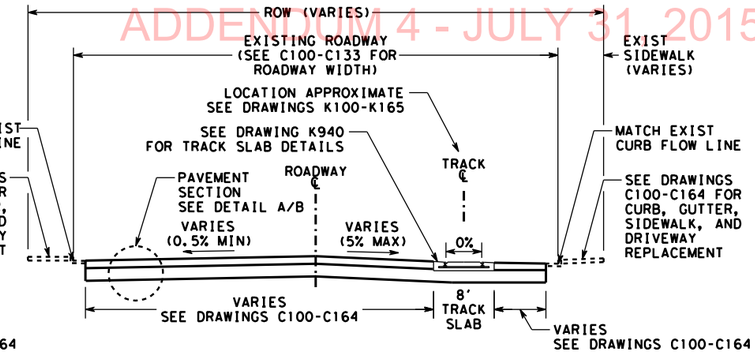
ADDENDUM 4 - JULY 31, 2015



PROPOSED FULL WIDTH RECONSTRUCTION
STRAIGHT GRADE



PROPOSED FULL WIDTH RECONSTRUCTION
MATCH EXISTING GRADE



PROPOSED FULL WIDTH RECONSTRUCTION
PROPOSED CROWN

CONCRETE PAVEMENT

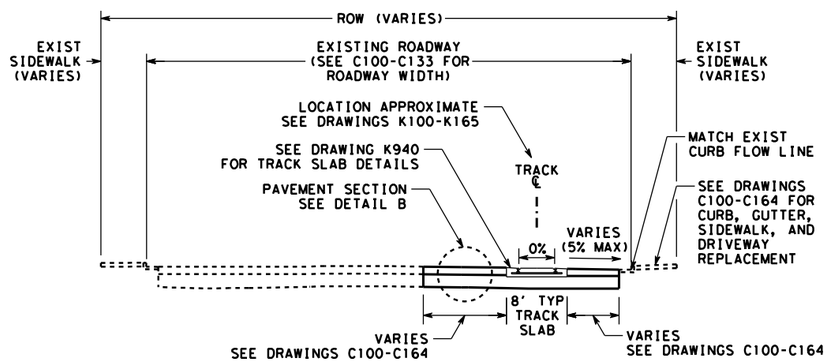
STATION RANGE	EXISTING	PROPOSED	SECTION
* DT LOOP STA 18+40.84 TO STA 23+34.85	3.25" HMAC, 8" BASE	8.5" CONC PVMT, 8" BASE	CROWNED
* DT LOOP STA 23+34.85 TO STA 24+05.12	8.5" CONC PVMT, 8" BASE	8.5" CONC PVMT, 8" BASE	CROWNED
* DT LOOP STA 24+05.12 TO STA 34+26.96	3.25" HMAC, 8" BASE	8.5" CONC PVMT, 8" BASE	STRAIGHT GRADE
DT LOOP STA 61+29.99 TO STA 61+90.96	8.5" CONC PVMT, 8" BASE	8.5" CONC PVMT, 8" BASE	STRAIGHT GRADE
* ST-OR LOOP STA 351+96.31 TO STA 352+75.16	9" - 9.5" CONC PVMT, 4" BASE	9" - 9.5" CONC PVMT, 4" BASE	CROWNED

* SEE STREET RECONSTRUCTION SHEETS (C100-C133) FOR LIMITS OF BASE BID AND ADDITIVE ALTERNATIVE RECONSTRUCTION

ASPHALT PAVEMENT

STATION RANGE	EXISTING	PROPOSED	SECTION
ST-OR LOOP STA 210+80.00 TO STA 214+59.00	3.25" HMAC, 8" BASE	4" HMAC, 8" BASE	CROWNED
ST-OR LOOP STA 219+30.00 TO STA 223+00.00	3.25" HMAC, 8" BASE	4" HMAC, 8" BASE	CROWNED
ST-OR LOOP STA 223+00.00 TO STA 230+07.79	6.5" HMAC, 4.5" BASE	6.5" HMAC, 8" BASE	CROWNED
* ST-OR LOOP STA 230+07.79 TO STA 238+90.27	8" HMAC, 6" BASE	8" HMAC, 8" BASE	MATCH EXISTING
ST-OR LOOP STA 302+43.60 TO STA 303+23.44	2.5" - 4" HMAC, 8" BASE	4" HMAC, 8" BASE	MATCH EXISTING

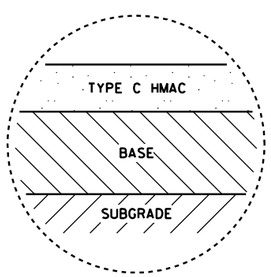
* SEE STREET RECONSTRUCTION SHEETS (C100-C133) FOR LIMITS OF BASE BID AND ADDITIVE ALTERNATIVE RECONSTRUCTION



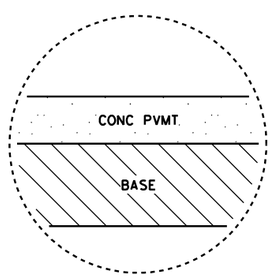
PROPOSED PARTIAL WIDTH RECONSTRUCTION
WITHOUT PAVEMENT MILL AND OVERLAY

STATION RANGE	EXISTING	PROPOSED
DOWNTOWN LOOP STA 9+90.00 TO STA 18+40.84	8.5" CONC PVMT, 8" BASE	8.5" CONC PVMT, 8" BASE
DOWNTOWN LOOP STA 18+40.84 TO STA 23+34.85	3.25" HMAC, 8" BASE	4" HMAC, 8" BASE
DOWNTOWN LOOP STA 23+34.85 TO STA 24+05.12	8.5" CONC PVMT, 8" BASE	4" HMAC, 8" BASE
DOWNTOWN LOOP STA 24+05.12 TO STA 34+26.96	3.25" HMAC, 8" BASE	4" HMAC, 8" BASE
DOWNTOWN LOOP STA 35+15.30 TO STA 35+81.46	3.25" HMAC, 8" BASE	4" HMAC, 8" BASE
* DOWNTOWN LOOP STA 35+15.30 TO STA 35+81.46	3.25" HMAC, 8" BASE	8.5" CONC PVMT, 8" BASE
DOWNTOWN LOOP STA 35+81.46 TO STA 36+18.64	8.5" CONC PVMT, 8" BASE	4" HMAC, 8" BASE
* DOWNTOWN LOOP STA 35+81.46 TO STA 36+18.64	8.5" CONC PVMT, 8" BASE	8.5" CONC PVMT, 8" BASE
DOWNTOWN LOOP STA 41+55.84 TO STA 42+10.00	3.25" HMAC, 8" BASE	8.5" CONC PVMT, 8" BASE
DOWNTOWN LOOP STA 42+10.00 TO STA 52+40.35	8.5" CONC PVMT, 8" BASE	8.5" CONC PVMT, 8" BASE
DOWNTOWN LOOP STA 52+40.35 TO STA 53+04.68	3.25" HMAC, 8" BASE	8.5" CONC PVMT, 8" BASE
DOWNTOWN LOOP STA 53+91.88 TO STA 54+95.31	7.5" HMAC, 8" BASE	8.5" CONC PVMT, 8" BASE
DOWNTOWN LOOP STA 54+95.31 TO STA 55+88.72	8.5" CONC PVMT, 8" BASE	8.5" CONC PVMT, 8" BASE
DOWNTOWN LOOP STA 57+98.74 TO STA 58+25.63	7.5" HMAC, 8" BASE	8.5" CONC PVMT, 8" BASE
DOWNTOWN LOOP STA 58+25.63 TO STA 58+96.89	8.5" CONC PVMT, 8" BASE	8.5" CONC PVMT, 8" BASE
DOWNTOWN LOOP STA 58+96.89 TO STA 59+21.24	7.5" HMAC, 8" BASE	8.5" CONC PVMT, 8" BASE
DOWNTOWN LOOP STA 61+90.96 TO STA 62+50.27	8.5" CONC PVMT, 8" BASE	8.5" CONC PVMT, 8" BASE
* DOWNTOWN LOOP STA 64+59.70 TO STA 65+69.52	8.5" CONC PVMT, 8" BASE	8.5" CONC PVMT, 8" BASE
* DOWNTOWN LOOP STA 66+37.15 TO STA 67+62.17	8.5" CONC PVMT, 8" BASE	8.5" CONC PVMT, 8" BASE
DOWNTOWN LOOP STA 69+97.29 TO STA 70+67.48	8.5" CONC PVMT, 8" BASE	8.5" CONC PVMT, 8" BASE
DOWNTOWN LOOP STA 73+27.26 TO STA 73+97.28	8.5" CONC PVMT, 8" BASE	8.5" CONC PVMT, 8" BASE
DOWNTOWN LOOP STA 76+47.59 TO STA 77+39.44	8.5" CONC PVMT, 8" BASE	8.5" CONC PVMT, 8" BASE
DOWNTOWN LOOP STA 103+09.08 TO STA 104+71.44	8.5" CONC PVMT, 8" BASE	8.5" CONC PVMT, 8" BASE
STANTON-OREGON LOOP STA 200+00.00 TO STA 206+50.27	9.5" CONC PVMT, 4.5" - 8" BASE	9.5" CONC PVMT, 4.5" - 8" BASE
* STANTON-OREGON LOOP STA 206+50.27 TO STA 207+32.71	3.25" HMAC, 8" BASE	8.5" CONC PVMT, 8" BASE
STANTON-OREGON LOOP STA 238+90.27 TO STA 239+83.33	8" HMAC, 6" BASE	8.5" CONC PVMT, 8" BASE
STANTON-OREGON LOOP STA 239+83.33 TO STA 240+57.32	9.5" CONC PVMT, 4.5" BASE	9.5" CONC PVMT, 4.5" BASE
STANTON-OREGON LOOP STA 240+57.32 TO STA 241+19.46	3.5" - 5.5" HMAC, 8" BASE	8.5" CONC PVMT, 8" BASE
STANTON-OREGON LOOP STA 280+37.13 TO STA 286+65.51	9" CONC PVMT, 8" BASE	9" CONC PVMT, 8" BASE
STANTON-OREGON LOOP STA 358+62.41 TO STA 359+47.23	9" - 9.5" CONC PVMT, 4" BASE	9" - 9.5" CONC PVMT, 4" BASE

* SEE STREET RECONSTRUCTION SHEETS (C100-C133) FOR LIMITS OF BASE BID AND ADDITIVE ALTERNATIVE RECONSTRUCTION



DETAIL A



DETAIL B

NOTES:

1. REFER TO DRAWINGS K100 - K165 FOR TRACK EDGE CROSS-SLOPE
2. REFER TO DRAWINGS S100 - S101 FOR IH10 BRIDGE TYPICALS
3. 5% MAX. CROSS SLOPE TYPICAL. DESIGN CROSS SLOPE IS GREATER THAN 5% AT ISOLATED LOCATIONS TO REDUCE LIMITS OF RECONSTRUCTION. CROSS SLOPE IS CONSTRUCTED BY STRAIGHT-GRADING FROM THE TRACK SLAB TO SAWCUT EXCEPT WHERE FULL WIDTH RECONSTRUCTION REQUIRES A CROWNED ROADWAY SECTION AS NOTED.
4. SEE PAVEMENT CONSTRUCTION NOTES SHEET C052

0' 10' 20'
SCALE IN FEET

NO	DATE	REVISION	APPROVED
	/ /		
	/ /		
	/ /		
	/ /		

STATE OF TEXAS
DEREK E. BENEDICT
112544
LICENSED
PROFESSIONAL ENGINEER
7/24/15

URS
2829 Montana Suite 206
El Paso, Texas 79903
(915) 493-6468
TBPE REGISTRATION NO. F-3162

COEP STREETCAR
ROADWAY TYPICAL SECTIONS

THE CITY OF EL PASO TEXAS

C050

CONT	SECT	JOB	HIGHWAY
0924	06	446	VARIOUS
DIST		COUNTY	SHEET NO.
EL PASO		EL PASO	139

CK: URS | DW: URS | CK: URS | DN: URS

DATE: 7/28/2015 2:51:47 PM
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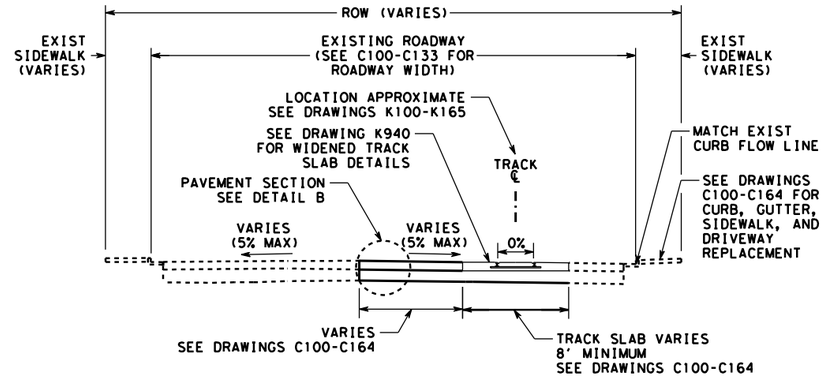
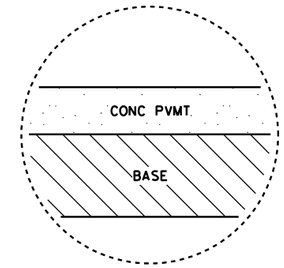
ADDENDUM 4 - JULY 31, 2015

NOTES:

1. REFER TO DRAWINGS K100 - K165 FOR TRACK EDGE CROSS-SLOPE
2. REFER TO DRAWINGS S100 - S101 FOR IH10 BRIDGE TYPICALS
3. 5% MAX. CROSS SLOPE TYPICAL. DESIGN CROSS SLOPE IS GREATER THAN 5% AT ISOLATED LOCATIONS TO REDUCE LIMITS OF RECONSTRUCTION. CROSS SLOPE IS CONSTRUCTED BY STRAIGHT-GRADING FROM THE TRACK SLAB TO SAWCUT EXCEPT WHERE FULL WIDTH RECONSTRUCTION REQUIRES A CROWNED ROADWAY SECTION AS NOTED
4. SEE PAVEMENT CONSTRUCTION NOTES SHEET C052



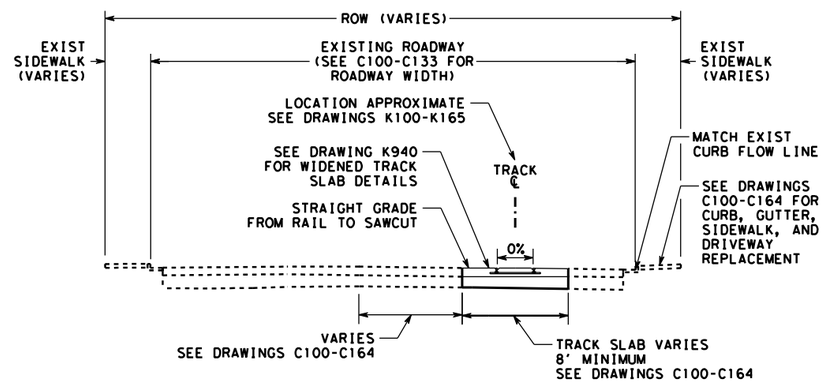
PROPOSED PARTIAL WIDTH RECONSTRUCTION WITH VARIABLE WIDTH TRACK SLAB



DETAIL B

STATION RANGE	EXISTING	PROPOSED
STANTON-OREGON LOOP STA 318+88.25 TO STA 319+73.82	9" - 9.5" CONC PVMT, 4" - 4.5" BASE	9" - 9.5" CONC PVMT, 4" - 4.5" BASE
STANTON-OREGON LOOP STA 327+04.00 TO STA 336+01.57	9" - 9.5" CONC PVMT, 4" - 4.5" BASE	9" - 9.5" CONC PVMT, 4" - 4.5" BASE
STANTON-OREGON LOOP STA 339+91.00 TO STA 340+06.08	9" - 9.5" CONC PVMT, 4" - 4.5" BASE	9" - 9.5" CONC PVMT, 4" - 4.5" BASE
STANTON-OREGON LOOP STA 343+35.78 TO STA 343+50.82	9" - 9.5" CONC PVMT, 4" - 4.5" BASE	9" - 9.5" CONC PVMT, 4" - 4.5" BASE
STANTON-OREGON LOOP STA 345+60.39 TO STA 346+20.49	9" - 9.5" CONC PVMT, 4" - 4.5" BASE	9" - 9.5" CONC PVMT, 4" - 4.5" BASE
STANTON-OREGON LOOP STA 346+80.43 TO STA 347+10.32	9" - 9.5" CONC PVMT, 4" - 4.5" BASE	9" - 9.5" CONC PVMT, 4" - 4.5" BASE
STANTON-OREGON LOOP STA 350+24.49 TO STA 350+44.39	9" - 9.5" CONC PVMT, 4" - 4.5" BASE	9" - 9.5" CONC PVMT, 4" - 4.5" BASE
STANTON-OREGON LOOP STA 352+75.16 TO STA 357+84.21	9" - 9.5" CONC PVMT, 4" - 4.5" BASE	9" - 9.5" CONC PVMT, 4" - 4.5" BASE ** RECONSTRUCTION TO THE RIGHT OF TRACK SLAB

0' 10' 20'
SCALE IN FEET



PROPOSED VARIABLE WIDTH TRACK SLAB GRADED TO EXISTING PAVEMENT

STATION RANGE	EXISTING	PROPOSED
STANTON-OREGON LOOP STA 318+42.41 TO STA 318+88.25	2.5" - 4" HMAC, 8" BASE	TRACK SLAB RECONSTRUCTION ONLY
STANTON-OREGON LOOP STA 319+73.82 TO STA 327+04.00	9" - 9.5" CONC PVMT, 4" - 4.5" BASE	TRACK SLAB RECONSTRUCTION ONLY
STANTON-OREGON LOOP STA 336+01.57 TO STA 339+91.00	9" - 9.5" CONC PVMT, 4" - 4.5" BASE	TRACK SLAB RECONSTRUCTION ONLY
STANTON-OREGON LOOP STA 340+06.08 TO STA 343+35.78	9" - 9.5" CONC PVMT, 4" - 4.5" BASE	TRACK SLAB RECONSTRUCTION ONLY
STANTON-OREGON LOOP STA 343+50.82 TO STA 345+60.39	9" - 9.5" CONC PVMT, 4" - 4.5" BASE	TRACK SLAB RECONSTRUCTION ONLY
STANTON-OREGON LOOP STA 346+20.49 TO STA 346+80.43	9" - 9.5" CONC PVMT, 4" - 4.5" BASE	TRACK SLAB RECONSTRUCTION ONLY
STANTON-OREGON LOOP STA 347+10.32 TO STA 350+24.49	9" - 9.5" CONC PVMT, 4" - 4.5" BASE	TRACK SLAB RECONSTRUCTION ONLY
STANTON-OREGON LOOP STA 357+84.21 TO STA 358+62.41	9" - 9.5" CONC PVMT, 4" - 4.5" BASE	TRACK SLAB RECONSTRUCTION ONLY

NO	DATE	REVISION	APPROVED
	/ /		
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STATE OF TEXAS
DEREK E. BENEDICT
112544
LICENSED
PROFESSIONAL ENGINEER
7/24/15

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(915) 493-6468
TBPE REGISTRATION NO. F-3162

COEP STREETCAR

ROADWAY TYPICAL SECTIONS

THE CITY OF EL PASO TEXAS

C051

CONT	SECT	JOB	HIGHWAY
0924	06	446	VARIOUS
DIST		COUNTY	SHEET NO.
EL PASO		EL PASO	140

DN: URS CK: URS DW: URS CK: URS

DATE: 7/28/2015 2:54:21 PM
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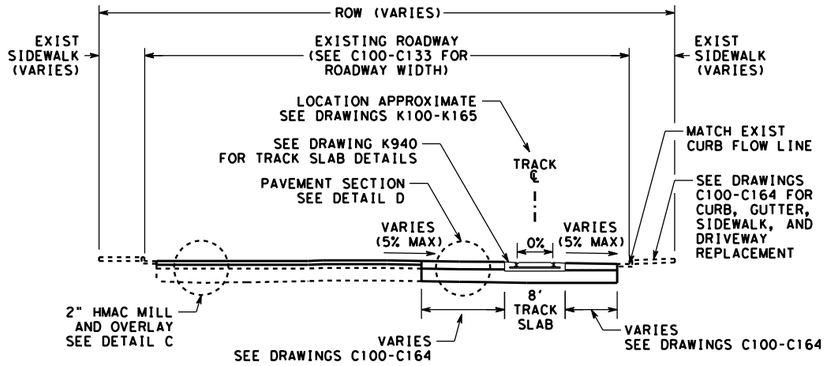
ADDENDUM 4 - JULY 31, 2015

NOTES:

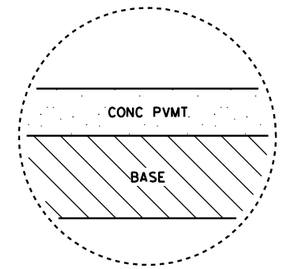
1. REFER TO DRAWINGS K100 - K165 FOR TRACK EDGE CROSS-SLOPE
2. REFER TO DRAWINGS S100 - S101 FOR IH10 BRIDGE TYPICALS
3. 5% MAX. CROSS SLOPE TYPICAL. DESIGN CROSS SLOPE IS GREATER THAN 5% AT ISOLATED LOCATIONS TO REDUCE LIMITS OF RECONSTRUCTION. CROSS SLOPE IS CONSTRUCTED BY STRAIGHT-GRADING FROM THE TRACK SLAB TO SAWCUT EXCEPT WHERE FULL WIDTH RECONSTRUCTION REQUIRES A CROWNED ROADWAY SECTION AS NOTED



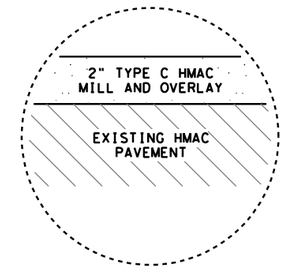
PROPOSED PARTIAL WIDTH RECONSTRUCTION WITH PAVEMENT MILL AND OVERLAY

STATION RANGE	EXISTING	PROPOSED	
* DOWNTOWN LOOP STA 36+18.64 TO STA 41+55.84	3.25" HMAC, 8" BASE	4" HMAC, 8" BASE	
* DOWNTOWN LOOP STA 55+88.72 TO STA 57+98.74	7.5" HMAC, 8" BASE	7.5" HMAC, 8" BASE	
* DOWNTOWN LOOP STA 59+21.24 TO STA 61+29.99	7.5" HMAC, 8" BASE	7.5" HMAC, 8" BASE	
* DOWNTOWN LOOP STA 62+50.27 TO STA 64+59.70	8" HMAC, 6" BASE	8" HMAC, 8" BASE	
* DOWNTOWN LOOP STA 65+69.52 TO STA 66+37.15	8" HMAC, 6" BASE	8" HMAC, 8" BASE	
* DOWNTOWN LOOP STA 67+62.17 TO STA 69+97.29	2" HMAC, 8" BASE	4" HMAC, 8" BASE	
* DOWNTOWN LOOP STA 70+67.48 TO STA 73+27.26	3" HMAC, 8" BASE	4" HMAC, 8" BASE	
* DOWNTOWN LOOP STA 73+97.28 TO STA 76+47.59	2.75" HMAC, 8" BASE	4" HMAC, 8" BASE	
STANTON-OREGON LOOP STA 209+24.43 TO STA 210+80.00	3.25" HMAC, 8" BASE	4" HMAC, 8" BASE	
STANTON-OREGON LOOP STA 214+59.00 TO STA 219+30.00	3.25" HMAC, 8" BASE	4" HMAC, 8" BASE	
* STANTON-OREGON LOOP STA 241+19.46 TO STA 280+37.13	3.5" - 5.5" HMAC, 8" BASE	4" - 5.5" HMAC, 8" BASE	
* STANTON-OREGON LOOP STA 286+65.51 TO STA 302+43.60	2.5" - 4" HMAC, 8" BASE	4" HMAC, 8" BASE	** FOG SEAL INSTEAD OF MILL AND OVERLAY
* STANTON-OREGON LOOP STA 303+23.44 TO STA 318+42.41	2.5" - 4" HMAC, 8" BASE	4" HMAC, 8" BASE	** FOG SEAL INSTEAD OF MILL AND OVERLAY

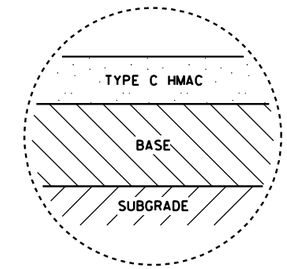
* SOME SEGMENTS OF PAVEMENT MILL AND OVERLAY ARE CONDSIDERED ADDITIVE ALTERNATIVES. SEE STREET RECONSTRUCTION SHEETS (C100-C133) FOR LIMITS OF BASE BID AND ADDITIVE ALTERNATIVE RECONSTRUCTION



DETAIL B



DETAIL C



DETAIL D

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SCALE IN FEET

PAVEMENT CONSTRUCTION NOTES

BASE, SUBGRADE, AND ASPHALTIC PAVEMENT

CONSTRUCTION OF THE ROADWAY SHOULD PROCEED IN ACCORDANCE WITH THE TEXAS DEPARTMENT OF TRANSPORTATION 2014 STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS AND BRIDGES

1. REMOVE ALL ORGANICS, EXISTING PAVEMENTS, ANY DELETERIOUS MATERIAL ENCOUNTERED, AND SURFICIAL SOILS TO A DEPTH OF AT LEAST 6 INCHES.
2. SCARIFY AND COMPACT THE CUT SOIL SUBGRADE TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY DETERMINED USING TXDOT TEST METHOD TEX-114-E IF CLAYEY SOILS, AND TEX-113-E IF GRAVELLY SOILS. HOLD WATER CONTENTS DURING CONSTRUCTION TO WITHIN ±2% OF THE OPTIMUM WATER CONTENT.
3. PROOFROLL THE PREPARED SUBGRADE IN ACCORDANCE WITH ITEM 216 OF THE CURRENT TXDOT STANDARD SPECIFICATIONS. THE PROOF ROLLING OPERATION SHOULD BE OBSERVED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER. ANY SOFT OR WEAK SUBGRADE SHOULD BE OVER EXCAVATED AND REPLACED WITH CRUSHED LIMESTONE BASE MATERIAL SELECTED AND PLACED AS RECOMMENDED IN ITEM 4 BELOW.
4. ON THE PREPARED SUBGRADE, PLACE THE RECOMMENDED THICKNESS OF CRUSHED LIMESTONE FLEXIBLE BASE WHICH CONFORMS TO ITEM 247, TYPE A, GRADE 1 OR 2 OF THE TXDOT STANDARD SPECIFICATIONS. COMPACT THE FLEXIBLE BASE TO 100% OF THE MAXIMUM DRY DENSITY DETERMINED USING TXDOT TEST METHOD TEX113E. HOLD WATER CONTENTS TO WITHIN ±2% OF THE OPTIMUM, AND MAINTAIN COMPACTED LIFT THICKNESSES TO 6 INCHES OR LESS.
5. PROVIDE AND PLACE THE PROPER THICKNESS TABULATED ABOVE OF HOT MIX ASPHALTIC CONCRETE WHICH CONFORMS TO TYPE C OR D, ITEM 340, HOT MIX ASPHALTIC CONCRETE PAVEMENT, TXDOT 2004 STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF HIGHWAYS, STREETS AND BRIDGES. PROJECT SPECIFICATIONS SHOULD DICTATE THAT THE HMAC THICKNESS SPECIFIED IN THE TABLE ABOVE BE A MINIMUM AT ANY LOCATION RATHER THAN AN AVERAGE.

CONCRETE PAVEMENT

CONSTRUCTION OF THE RIGID PAVEMENT SHOULD PROCEED IN ACCORDANCE WITH PERTINENT RECOMMENDATIONS ABOVE, TXDOT ITEM 360 CONCRETE PAVEMENT, AND THE FOLLOWING RECOMMENDATIONS:

1. THE PORTLAND CEMENT CONCRETE PAVEMENT SHOULD HAVE A 28-DAY COMPRESSIVE STRENGTH OF AT LEAST 4,000 PSI AND BE REINFORCED WITH A MINIMUM OF NO. 4 BARS AT 18-INCHES ON-CENTER EACH WAY.
2. (NOT USED)
3. SUPPORT REINFORCEMENT STEEL WITH CHAIRS OR PRECAST CONCRETE BLOCKS ABOUT 1 INCH BELOW THE BOTTOM OF THE PLANNED CONTRACTION JOINTS.
4. PROVIDE LOAD TRANSFER AT THE INTERFACE BETWEEN AREAS OF CONCRETE PLACED AT DIFFERENT TIMES USING TIED AND KEYED CONSTRUCTION JOINTS. PLACE CONSTRUCTION JOINTS AT PLANNED CONTRACTION JOINT LOCATIONS. (SEE ACI MANUAL OF CONCRETE PRACTICE, PART 2, FOR FURTHER GUIDANCE.)
5. STAGE PAVEMENT CONSTRUCTION SUCH THAT CONSTRUCTION TRAFFIC, INCLUDING CONCRETE TRUCKS, DO NOT TRAVEL ON NEWLY PLACED CONCRETE PAVEMENT UNTIL THE CONCRETE ACHIEVES AT LEAST 75 PERCENT OF THE DESIGN STRENGTH, USUALLY 7 DAYS.

NO	DATE	REVISION	APPROVED
	/ /		
	/ /		
	/ /		
	/ /		

STATE OF TEXAS
DEREK E. BENEDICT
112544
LICENSED
PROFESSIONAL ENGINEER
7/24/15

URS
2829 Montana Suite 206
El Paso, Texas 79903
(915) 493-6468
TBPE REGISTRATION NO. F-3162

COEP STREETCAR

ROADWAY TYPICAL SECTIONS

THE CITY OF EL PASO TEXAS

C052

CONT	SECT	JOB	HIGHWAY
0924	06	446	VARIOUS
DIST		COUNTY	SHEET NO.
EL PASO		EL PASO	141

DN: URS CK: URS DW: URS CK: URS

DATE: 7/28/2015 2:24:28 PM
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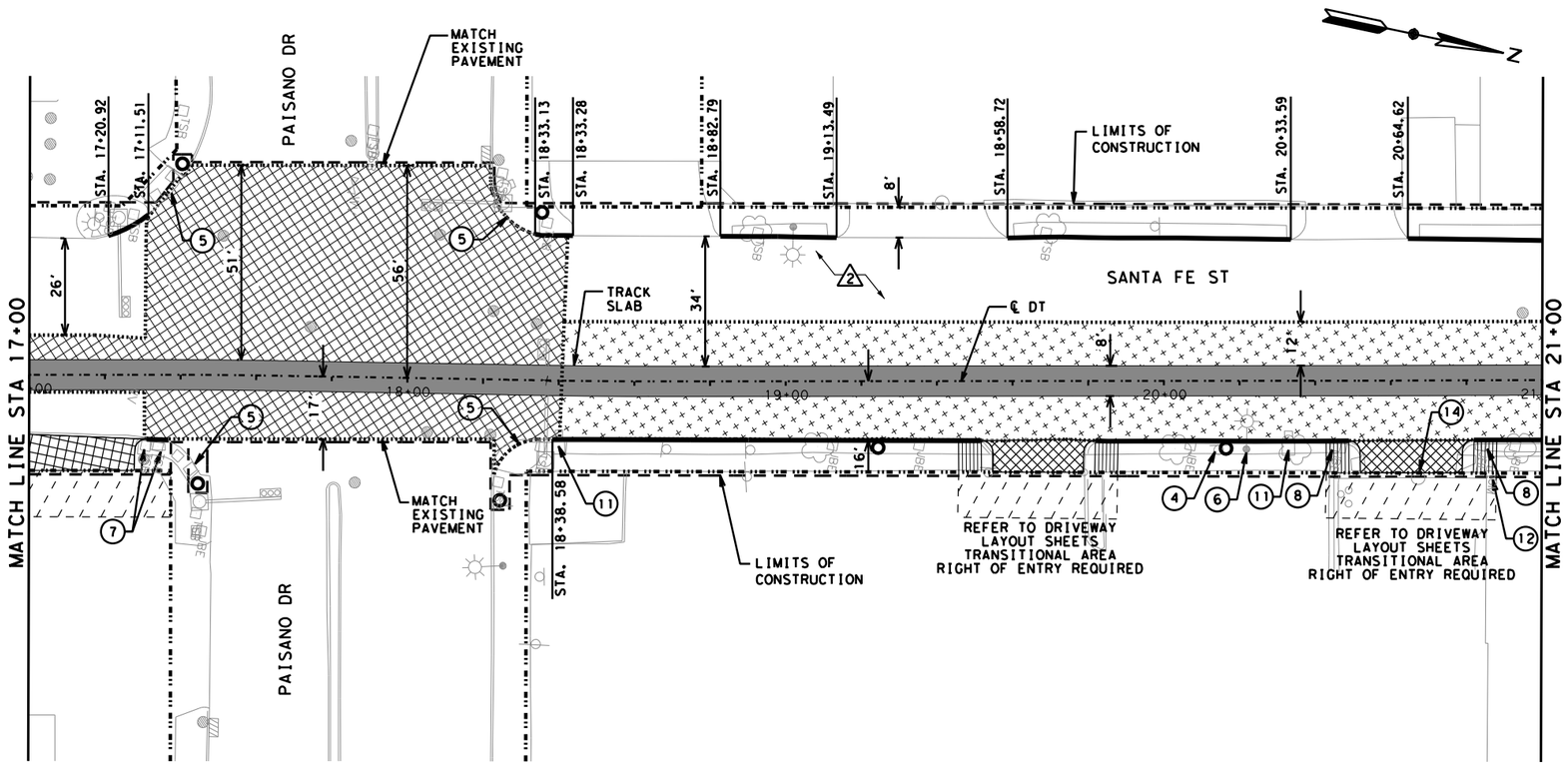
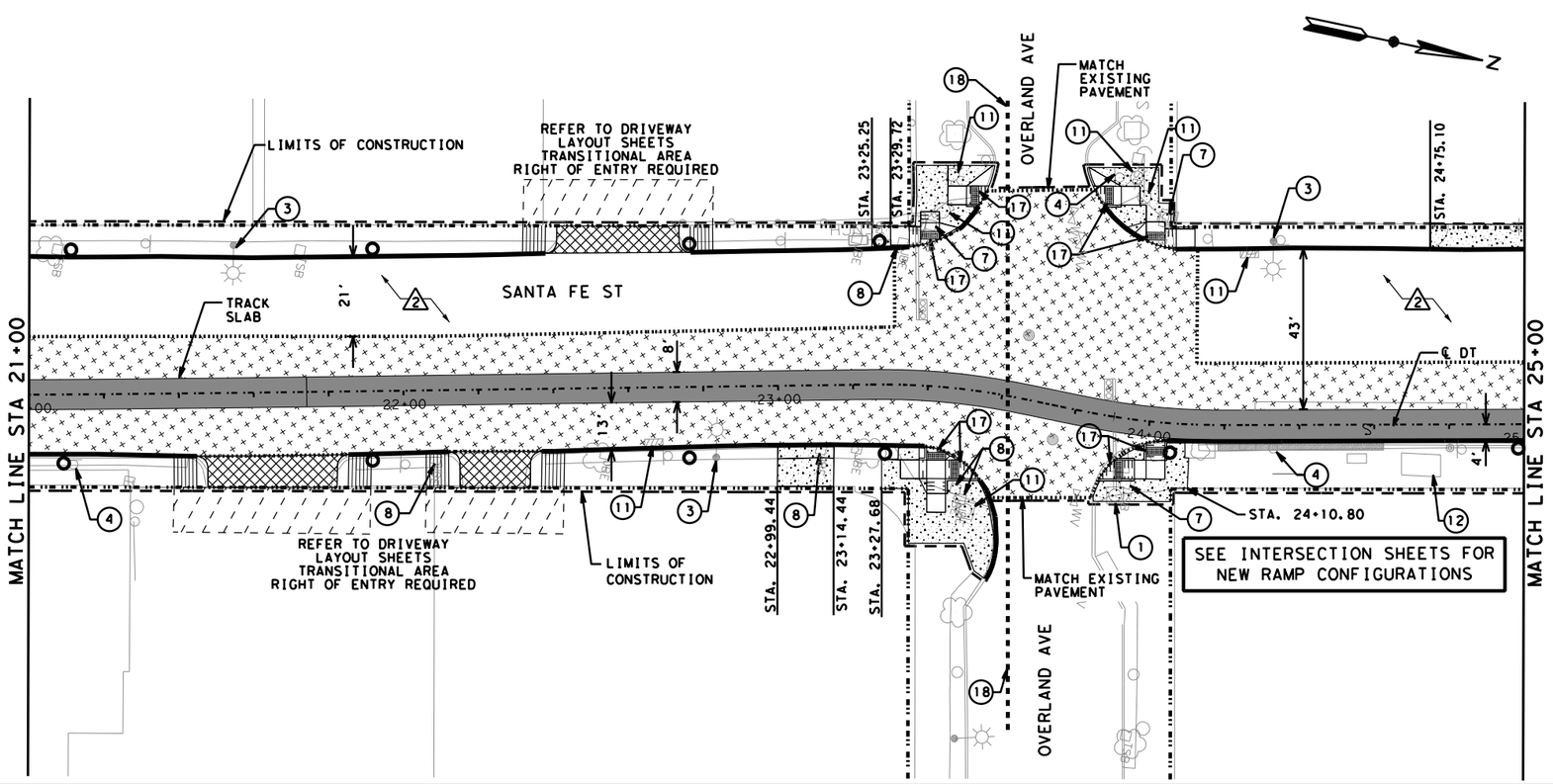
ADDENDUM 4 - JULY 31, 2015





KEYNOTES

1. CONFLICT WITH TRAFFIC SIGNAL. SEE NOTE 2
2. EXISTING SUN METRO SIGN/BENCH. SEE NOTE 3
3. PROTECT EXISTING LIGHT POLE
4. REPLACE/RELOCATE/REMOVE EXISTING SIGN SEE NOTE 2 & 12
5. EXISTING RAMP(S) TO REMAIN UNDISTURBED
6. ABANDON EXISTING LIGHT/FOUNDATION SEE SHEET N109
7. RELOCATE/ADJUST EXISTING TRAFFIC SIGNAL BOX. SEE NOTE 2
8. RELOCATE/ADJUST EXISTING ELECTRICAL BOX
9. RELOCATE/ADJUST EXISTING COMMUNICATION BOX
10. REMOVE AND SALVAGE EXISTING PARKING METER
11. PROTECT/TO REMAIN UNDISTURBED
12. EXISTING UTILITY BOX. SEE NOTE 4
13. EXISTING FIRE HYDRANT, SEE PROPOSED UTILITY PLANS
14. EXISTING POWER POLE TO BE RELOCATED
15. EXISTING MAILBOX TO BE RELOCATED
16. EXISTING TREE/BUSH TO BE RELOCATED
17. PROPOSED RAMP
18. APPROXIMATE HISTORIC STREETCAR TRACK ALINGMENT

LEGEND

- EXISTING ROW LINE
- CONSTRUCTION LIMITS
- STREETCAR ALIGNMENT
- PROPOSED CONCRETE TRACK SLAB
- REMOVE/REPLACE SIDEWALK
- REMOVE/REPLACE DRIVEWAY
- DRIVEWAY RIGHT OF ENTRY
- MILL/OVERLAY PAVEMENT
- FULL DEPTH ASPHALT PAVEMENT RECONSTRUCTION
- FULL DEPTH CONCRETE PAVEMENT RECONSTRUCTION
- SEAL COAT EXISTING ASPHALT PAVEMENT (CSS-1H) (0.2GAL/SY)
- REMOVE/REPLACE CURB & GUTTER
- PROPOSED OCS POLE SEE NOTE 8.

NOTES:

1. STATIONS SHOWN ARE APPROXIMATE. CONCRETE SIDEWALKS/CURB & GUTTER SHALL BE REPLACED TO NEAREST JOINT.
2. REFER TO TRAFFIC SHEETS FOR SIGNS AND TRAFFIC SIGNAL IMPROVEMENTS.
3. COORDINATE WITH SUN METRO FOR REMOVAL/REPLACEMENT OF ANY BUS STOP SIGNS/BENCHES SHOWN ON THIS PLAN.
4. ALL MANHOLES, VALVES, BOXES, ETC. TO REMAIN IN PLACE SHALL BE ADJUSTED TO NEW PAVEMENT/SIDEWALK GRADES. REFER TO UTILITY SHEETS FOR ANY UTILITY RELOCATIONS.
5. SEE TRACK PLAN AND PROFILE SHEETS FOR CONCRETE TRACK SLAB QUANTITIES, PLACEMENT AND CONSTRUCTION.
6. REFER TO PAVEMENT CROSS SECTIONS.
7. REFER TO TRAFFIC SHEETS FOR TRAFFIC RELATED ITEMS SHOWN TO BE RELOCATED.
8. REFER TO OCS SHEETS FOR PROPOSED OCS IMPROVEMENTS.
9. REFER TO ROADWAY TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
10. REFER TO PROPOSED STREETCAR STOP SHEETS FOR ADDITIONAL INFORMATION.
11. REMOVAL AND REPLACEMENT OF CONCRETE PAVEMENT SHALL BE TO THE NEAREST JOINT AND SHALL BE SAW-CUT TO NEAT LINE.
12. NEW LOCATIONS FOR ITEMS TO BE RELOCATED SHALL BE DETERMINED IN THE FIELD AND APPROVED BY THE CITY INSPECTOR.
12. REFER TO PLAN & PROFILE DRAINAGE SHEETS FOR IMPROVEMENTS

0' 20' 40'
SCALE IN FEET

NO	DATE	REVISION	APPROVED
2	7/14/15	REVISED PAVEMENT LIMITS	MM
	/ /		
	/ /		
	/ /		

STATE OF TEXAS
MARCOS MEDINA
93830
LICENSED PROFESSIONAL ENGINEER
7.14.15

MCi Moreno Cardenas Inc.
Leaders in Project Delivery & Performance
TBPE Firm Registration No. F-000554

URS
2829 Montana Suite 206
El Paso, Texas 79903
(915) 493-6468
TBPE REGISTRATION NO. F-3162

COEP STREETCAR DOWNTOWN LOOP STREET RECONSTRUCTION
STA. 17+00 - STA. 25+00

C101

CONT	SECT	JOB	HIGHWAY
			VARIOUS
DIST		COUNTY	SHEET NO.
EL PASO		EL PASO	143

BASE BID SHEET

DATE: 7/13/2015 3:34:23 PM
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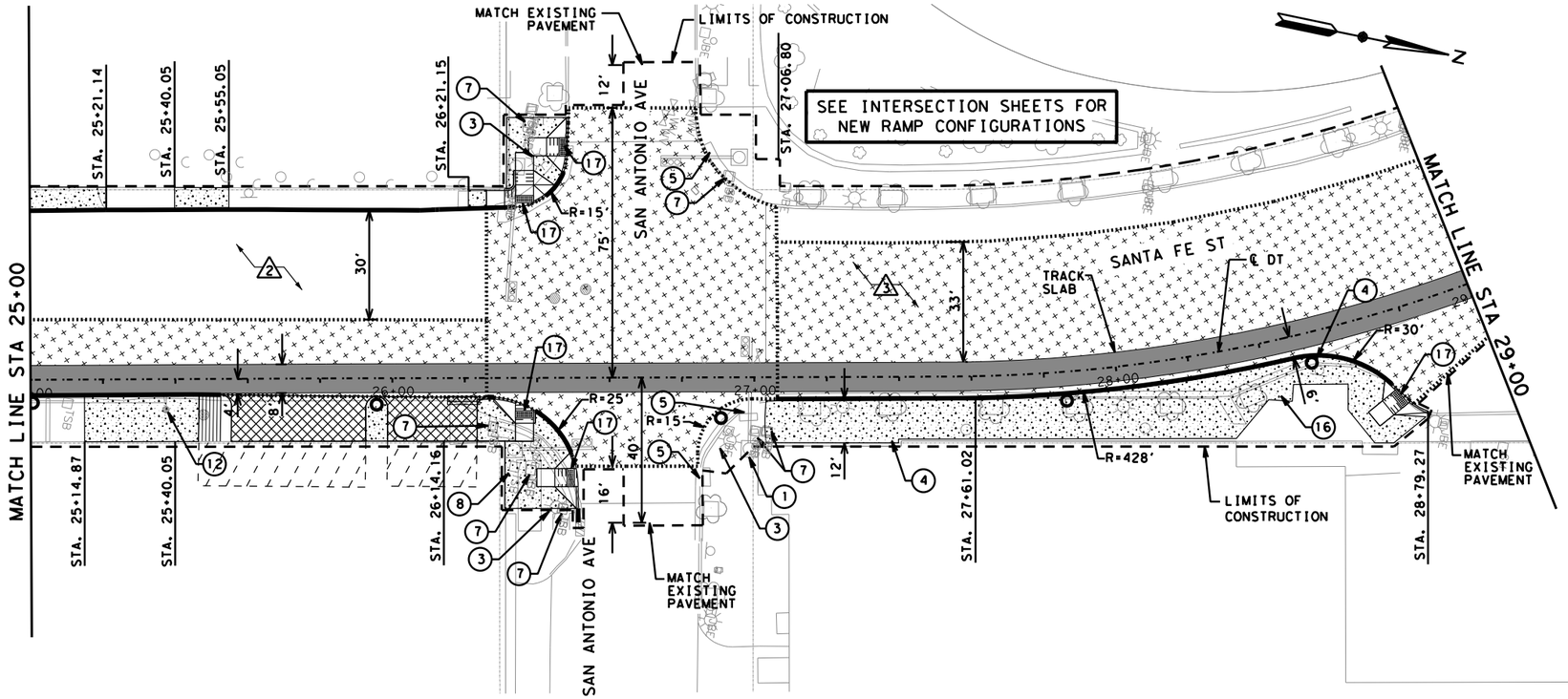
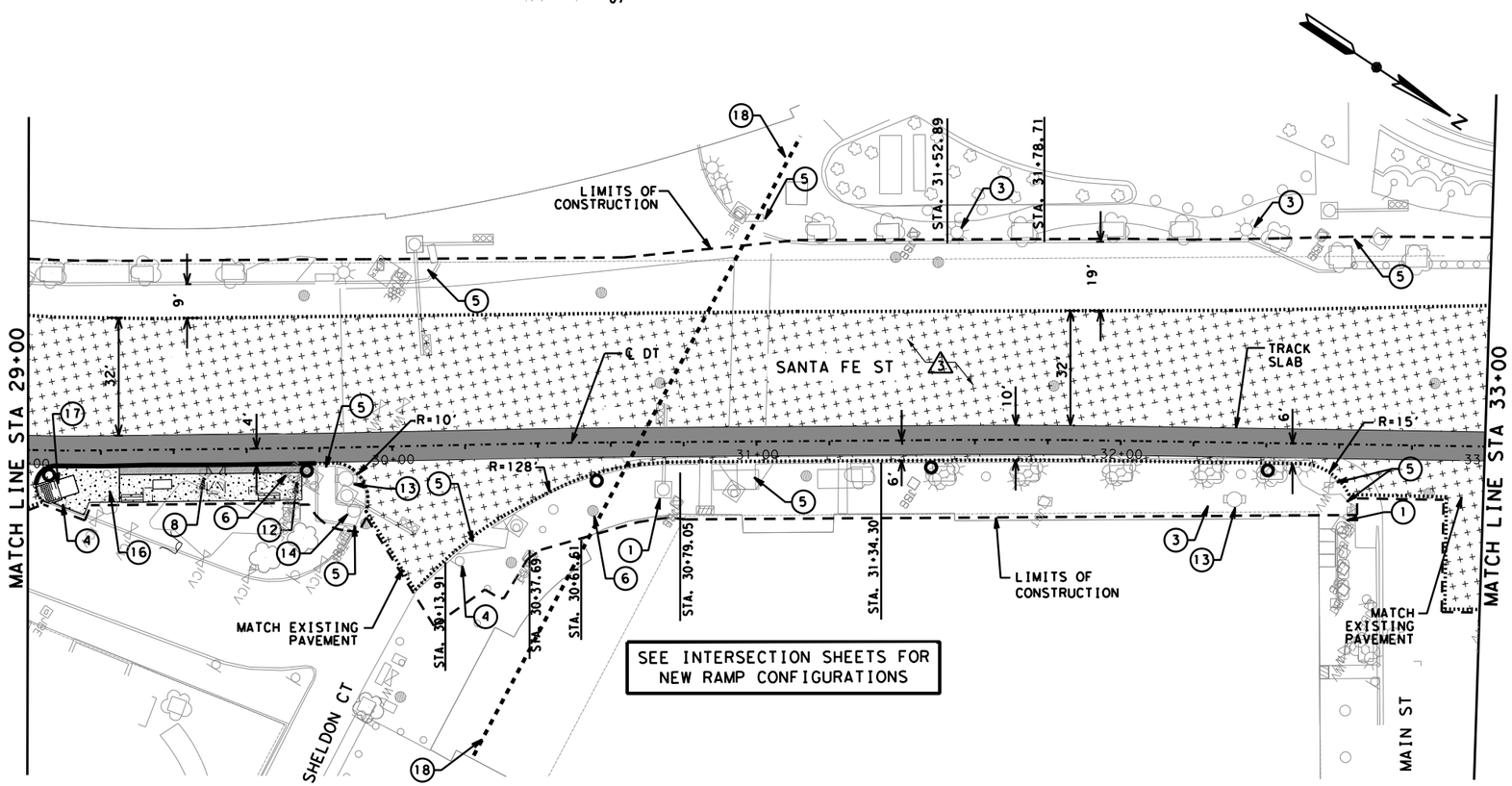
DN: URS CK: URS DN: URS CK: URS gerardo

ADDENDUM 4 - JULY 31, 2015





KEYNOTES

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16. EXISTING TREE/BUSH TO BE RELOCATED
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18. APPROXIMATE HISTORIC STREETCAR TRACK ALINGMENT

LEGEND

- EXISTING ROW LINE
- CONSTRUCTION LIMITS
- STREETCAR ALIGNMENT
- PROPOSED CONCRETE TRACK SLAB
- REMOVE/REPLACE SIDEWALK
- REMOVE/REPLACE DRIVEWAY
- DRIVEWAY RIGHT OF ENTRY
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0' 20' 40'
SCALE IN FEET

NO	DATE	REVISION	APPROVED
2	7/14/15	REVISED PAVEMENT LIMITS	MM
3	7/24/15	REVISED PAVEMENT LIMITS	MM
	/ /		
	/ /		

STATE OF TEXAS
MARCOS MEDINA
93830
LICENSED PROFESSIONAL ENGINEER
7/23/2015

MCi Moreno Cardenas Inc.
Leaders in Project Delivery & Performance
TBPE Firm Registration No. F-000554

URS
2829 Montana Suite 206
El Paso, Texas 79903
(915) 493-6468
TBPE REGISTRATION NO. F-3162

COEP STREETCAR DOWNTOWN LOOP STREET RECONSTRUCTION
STA. 25+00 - STA. 33+00

C102

CONT	SECT	JOB	HIGHWAY
			VARIOUS
DIST		COUNTY	SHEET NO.
EL PASO		EL PASO	144

BASE BID SHEET

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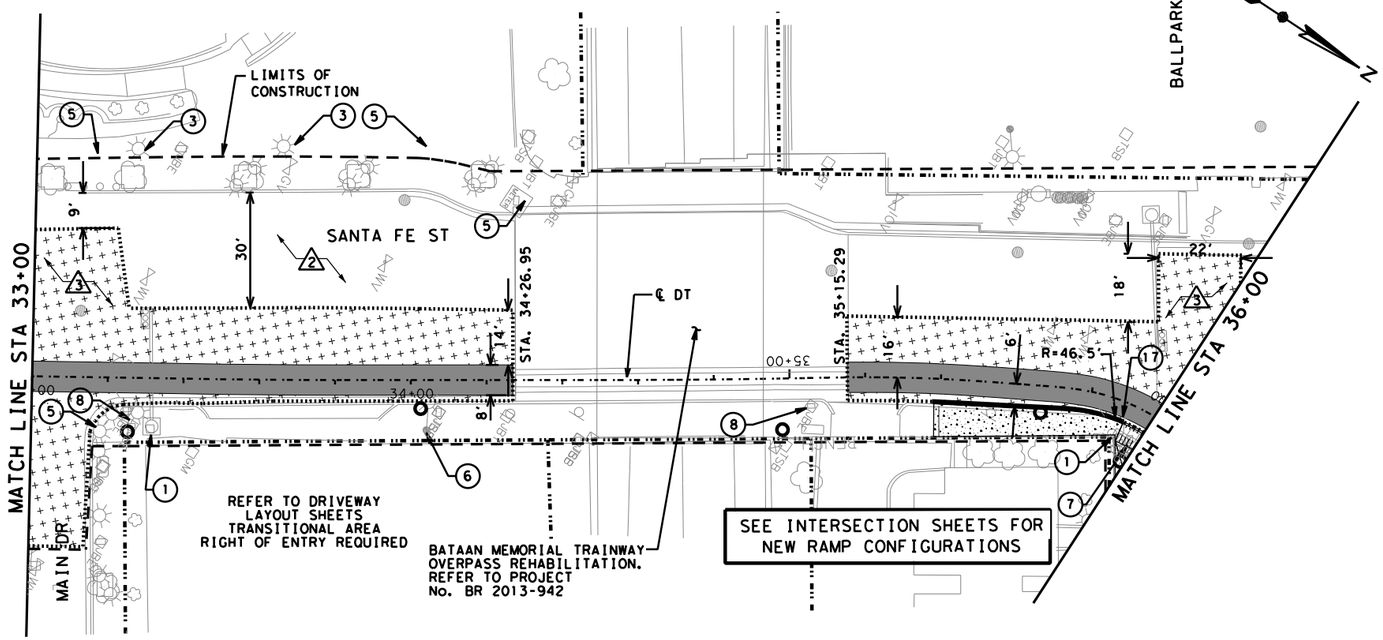

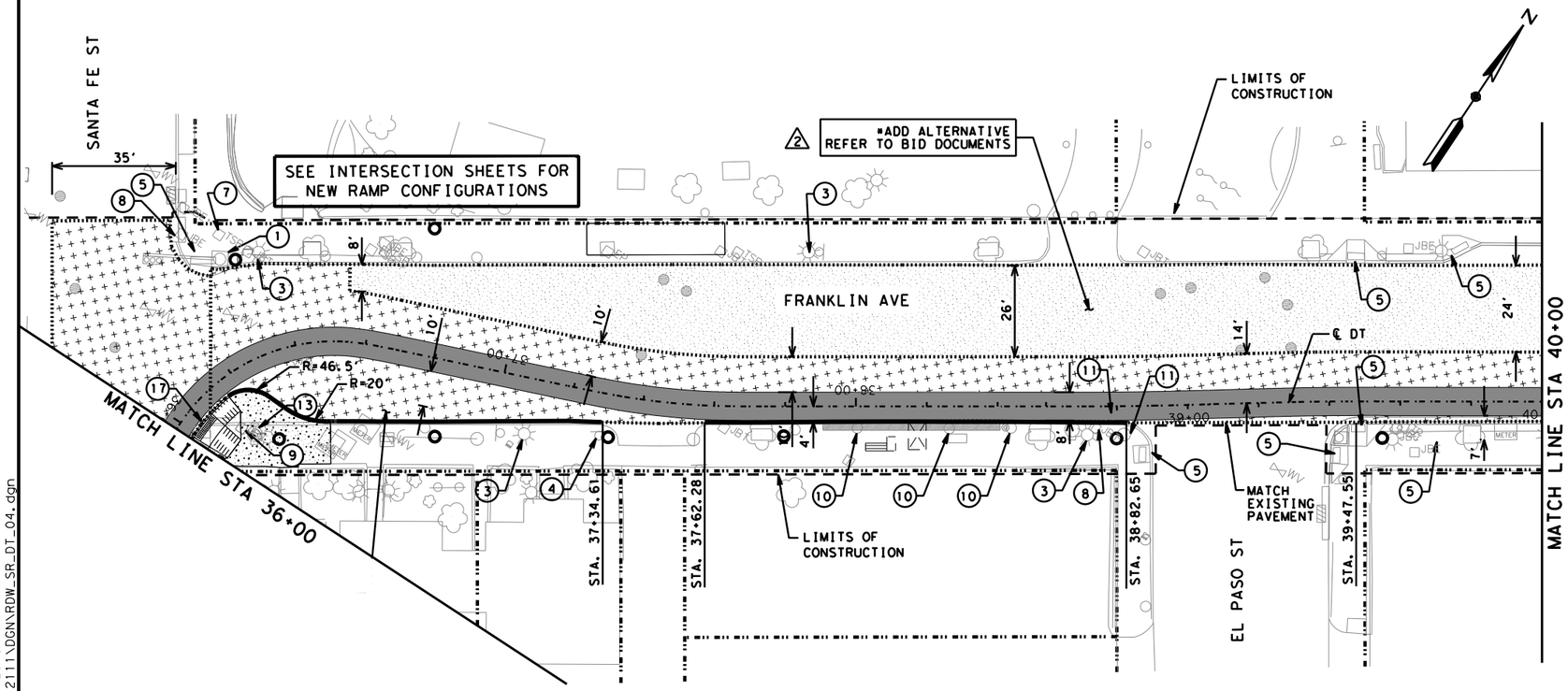

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0' 20' 40'
SCALE IN FEET

NO	DATE	REVISION	APPROVED
2.	7/14/15	REVISED PAVEMENT LIMITS	MM
	7/14/15	ADD ALTERNATIVE	MM
3.	7/24/15	REVISED PAVEMENT LIMITS	MM
	/ /		

STATE OF TEXAS
MARCOS MEDINA
93830
LICENSED PROFESSIONAL ENGINEER
7/23/2015

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COEP STREETCAR DOWNTOWN LOOP STREET RECONSTRUCTION
STA. 33+00 - STA. 40+00

C103

CONT	SECT	JOB	HIGHWAY
			VARIOUS
DIST		COUNTY	SHEET NO.
EL PASO		EL PASO	145

BASE BID SHEET

DATE: 7/23/2015 4:09:03 PM
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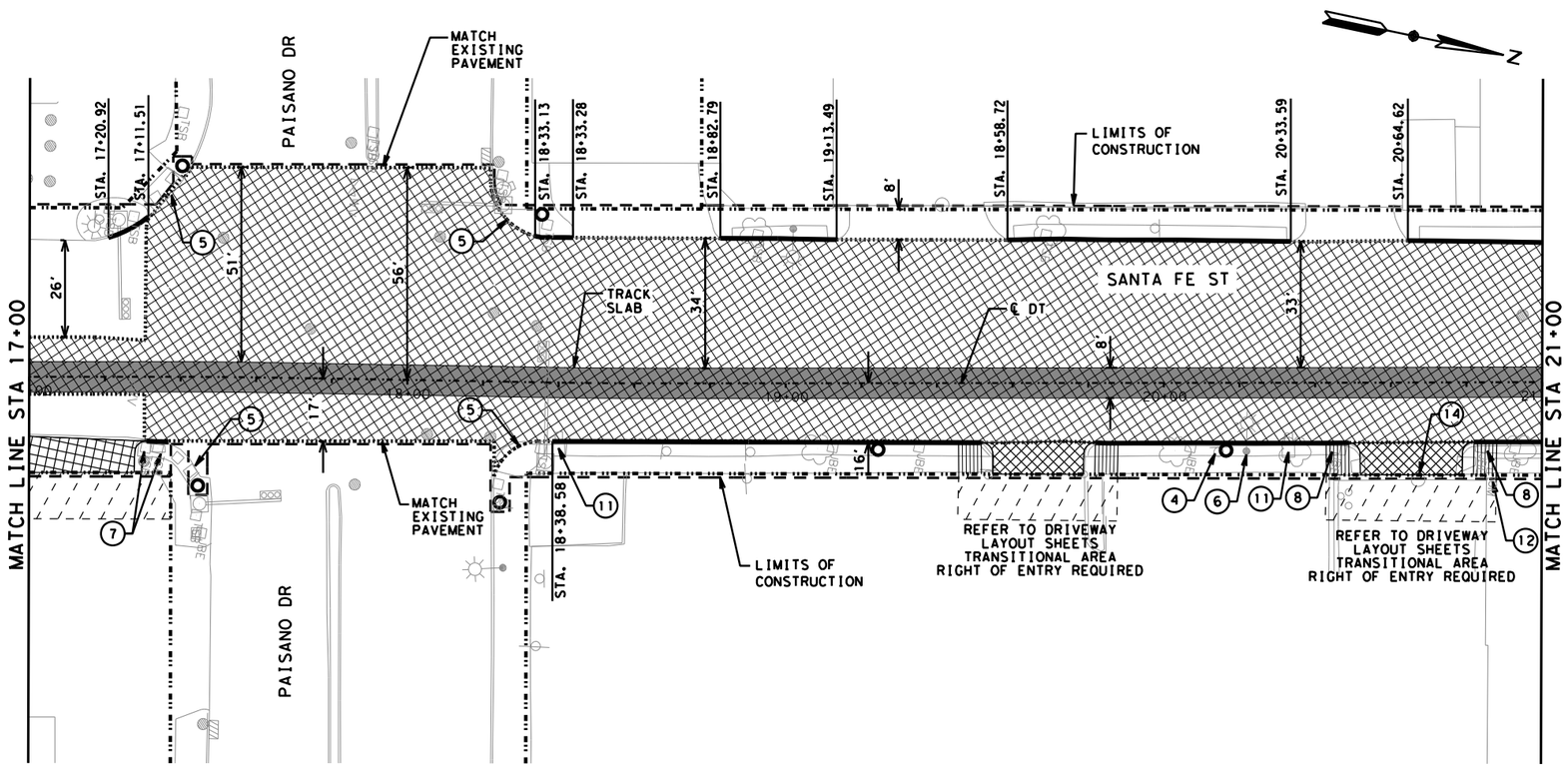

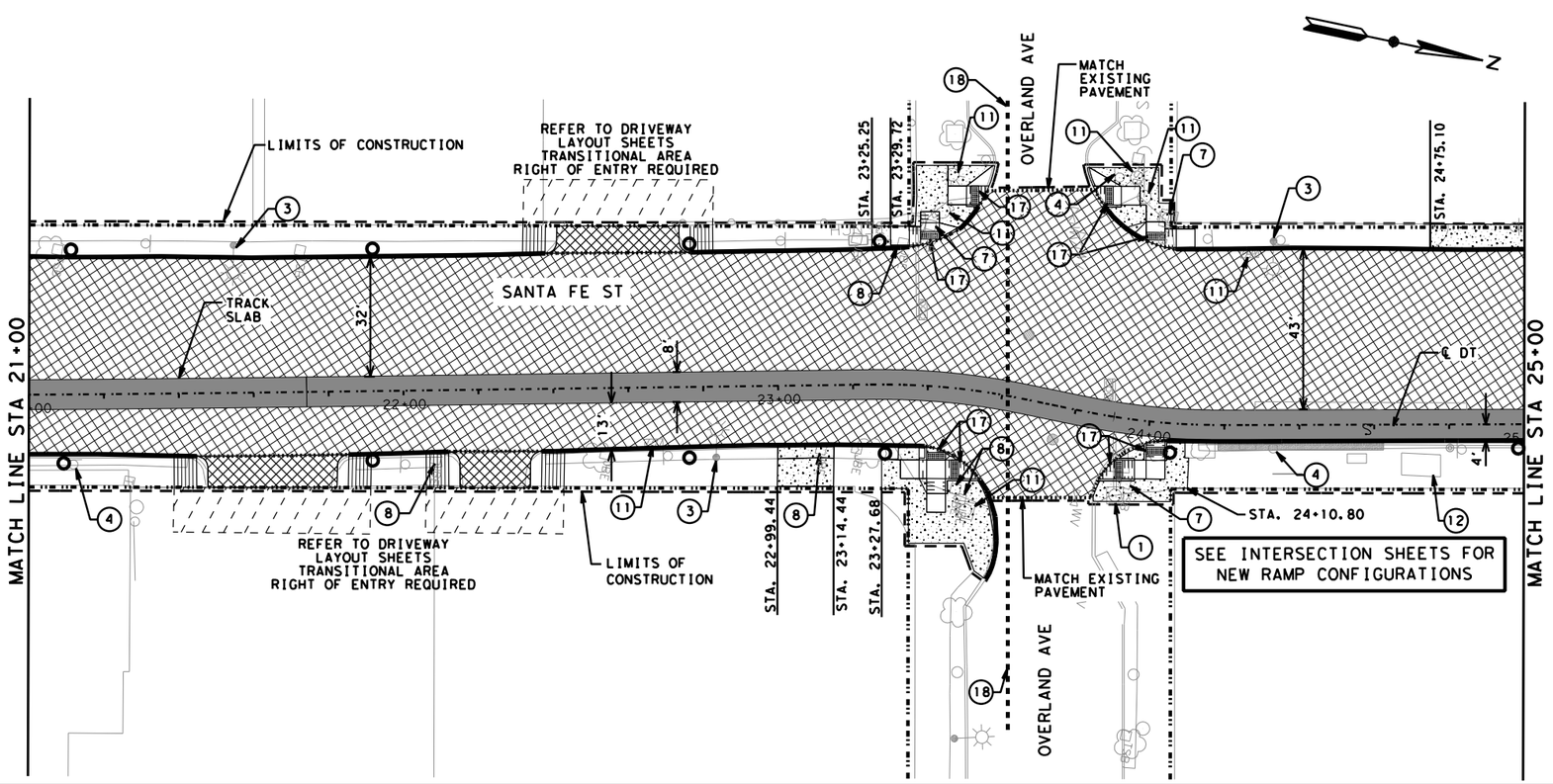

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0' 20' 40'
SCALE IN FEET

NO	DATE	REVISION	APPROVED
	/ /		
	/ /		
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STATE OF TEXAS
MARCOS MEDINA
93830
LICENSED
PROFESSIONAL ENGINEER

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TBPE REGISTRATION NO. F-3162

COEP STREETCAR DOWNTOWN LOOP STREET RECONSTRUCTION
STA. 17+00 - STA. 25+00

THE CITY OF EL PASO TEXAS

C101

CONT	SECT	JOB	HIGHWAY
			VARIOUS
DIST		COUNTY	SHEET NO.
EL PASO		EL PASO	143

ADD-ALTERNATIVE SHEET

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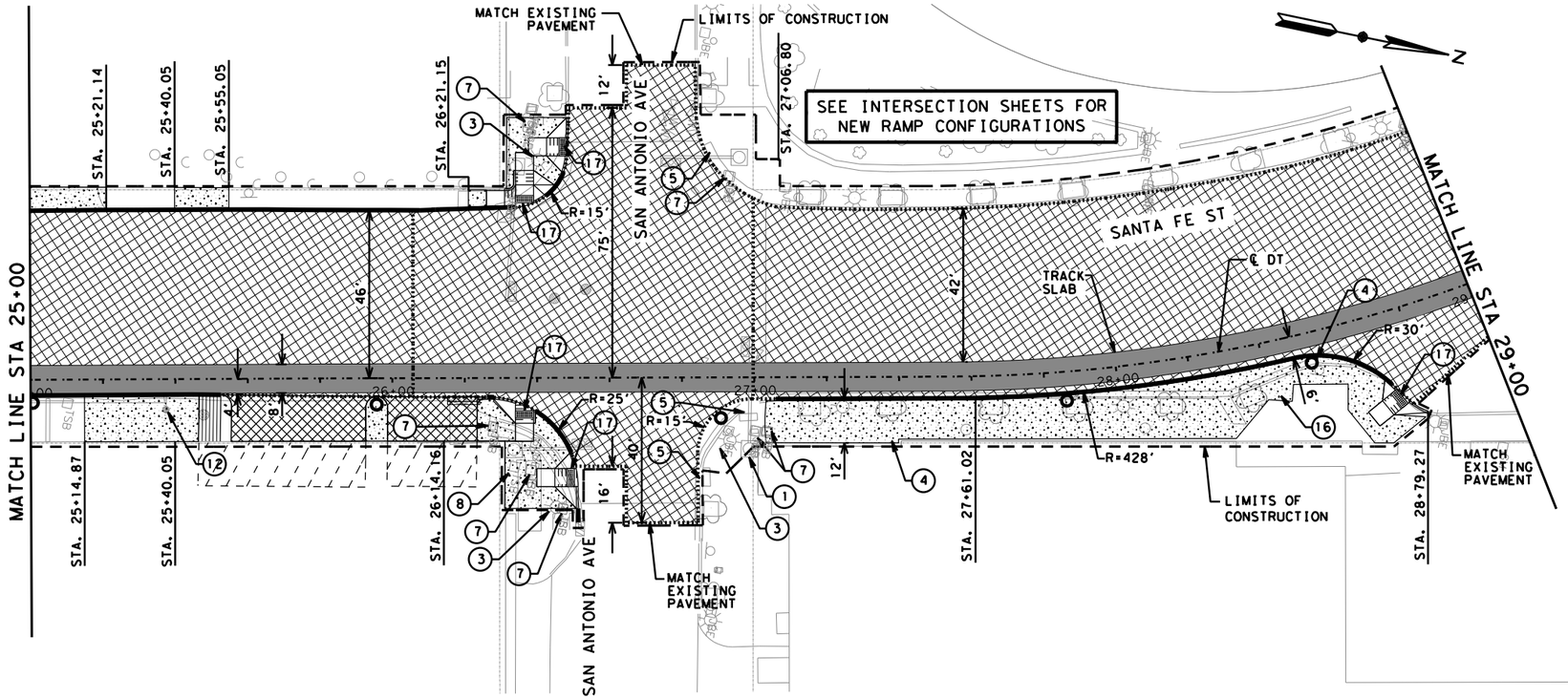

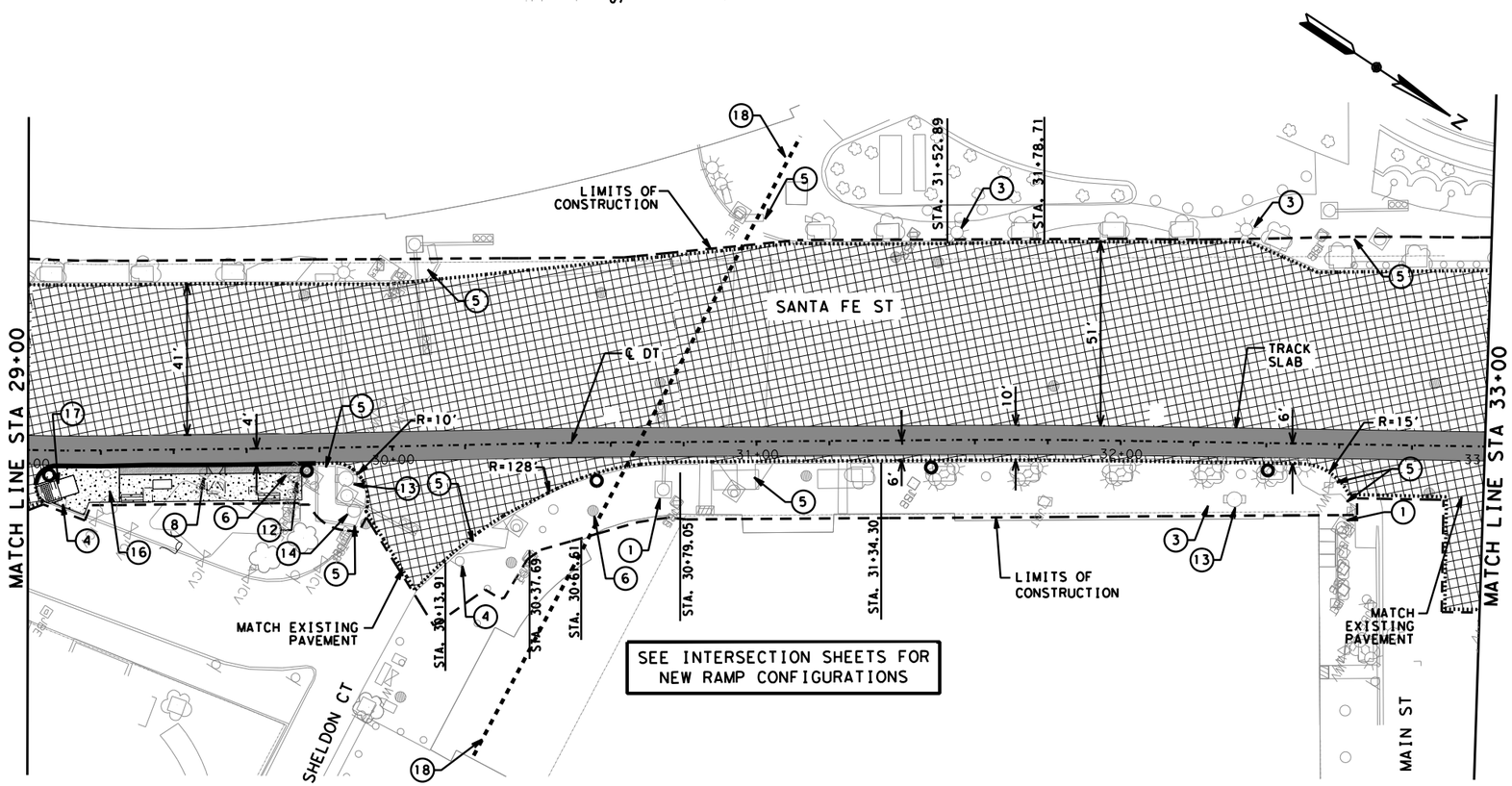

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SCALE IN FEET

NO	DATE	REVISION	APPROVED
	/ /		
	/ /		
	/ /		
	/ /		

STATE OF TEXAS
MARCOS MEDINA
93830
LICENSED
PROFESSIONAL ENGINEER
3.20.15

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COEP STREETCAR DOWNTOWN LOOP STREET RECONSTRUCTION
STA. 25+00 - STA. 33+00

C102

CONT	SECT	JOB	HIGHWAY
			VARIOUS
DIST		COUNTY	SHEET NO.
EL PASO		EL PASO	144

ADD-ALTERNATIVE SHEET

DATE: 6/19/2015 10:05:21 AM
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DN: URS | CK: URS | DW: URS | CK: URS | gerardo

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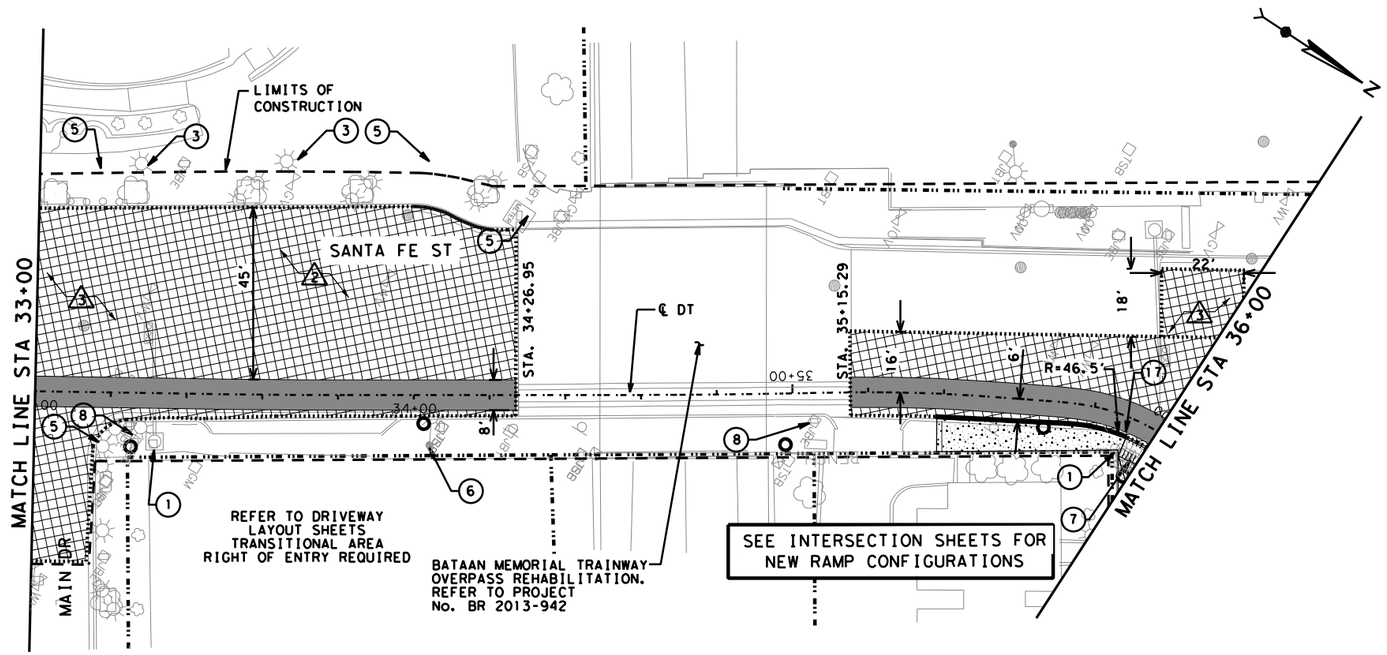

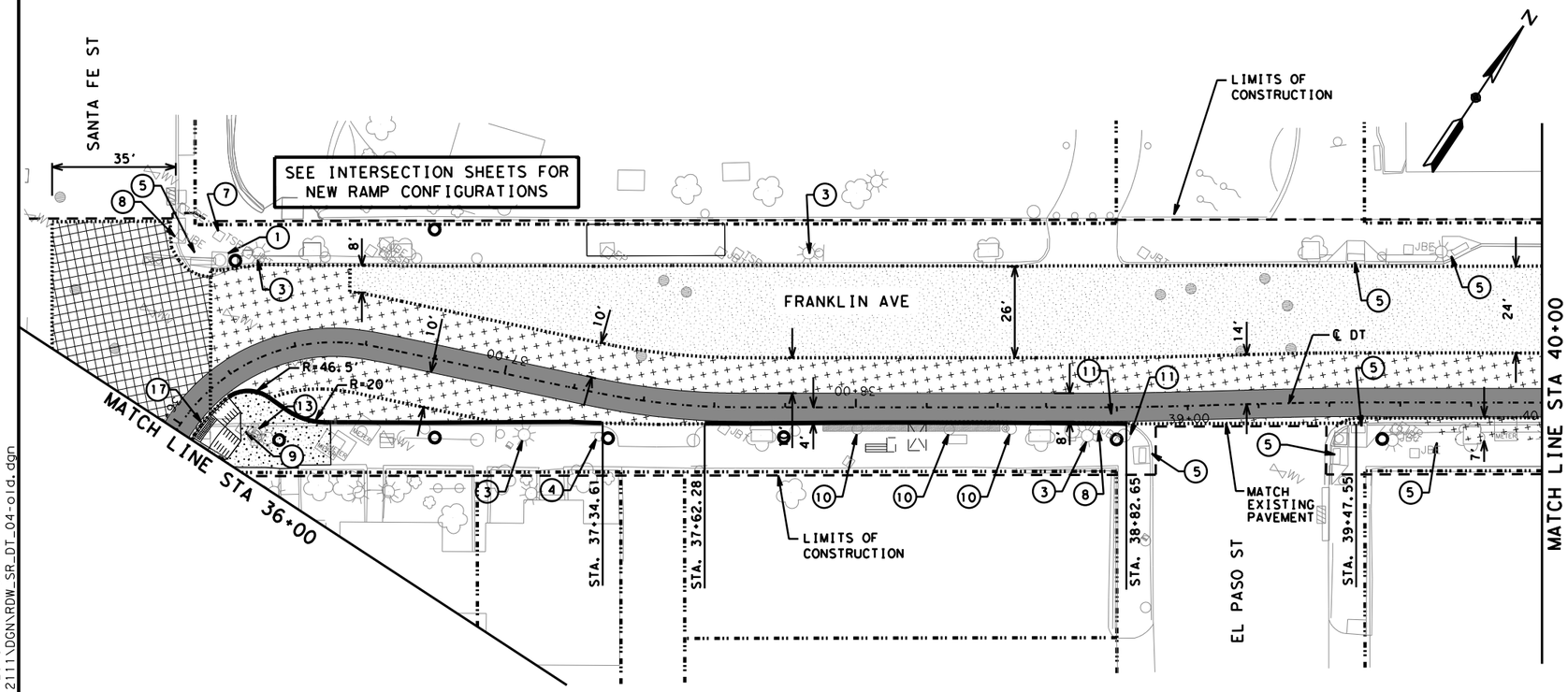

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NO	DATE	REVISION	APPROVED
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	7/14/15	ADD ALTERNATIVE	MM
3	7/24/15	REVISED PAVEMENT LIMITS	MM
	/ /		

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C103

CONT	SECT	JOB	HIGHWAY
			VARIOUS
DIST		COUNTY	SHEET NO.
EL PASO		EL PASO	145

ADD-ALTERNATIVE SHEET

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