

\\10.120.108.5\ibishare\16558.D6 CO GES\5.0 Design (Work) Phase\Task 6-E_DEL-42-1.56 Safety Improvements\08685_GG002.dgn Sheet 2019-12-31 11:3:43 PM anthony.pison

SHEET NUM.											PART.				ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.								
6	7	26	27	27A	76	78	79	80	82	97	01/SAF/PV	02/SAF/PV	03/NHS/CV	04/SAF/CV														
DRAINAGE (CONT.)																												
			10										10		611	02000	10	FT	8" CONDUIT, TYPE C									
	50											50			611	03600	50	FT	10" CONDUIT, TYPE E									
	50											50			611	05200	50	FT	12" CONDUIT, TYPE F									
			171												171	611	05900	171	FT	15" CONDUIT, TYPE B								
			51												611	06100	51	FT	15" CONDUIT, TYPE C									
												131			611	06400	131	FT	15" CONDUIT, TYPE D									
			131									50			611	07900	50	FT	18" CONDUIT, TYPE D									
			50							190					611	16200	190	FT	36" CONDUIT, TYPE A, 706.02; OR 42" 707.02 (0.064) ALUMINIZED, 42" 707.04 (0.064), 42" 707.21, 36" 707.33 (WITH A WELDED BELL)									
			105										105		611	16400	105	FT	36" CONDUIT, TYPE B									
			125										125		611	16600	125	FT	36" CONDUIT, TYPE C									
										119					611	19200	119	FT	42" CONDUIT, TYPE A, 706.02; OR 707.02 (0.064) ALUMINIZED, 707.04 (0.064), 707.21, 707.33 (WITH A WELDED BELL)									
	10											10			611	97400	10	FT	CONDUIT, MISC.: 6" TYPE B FOR DRAINAGE DISCHARGE CONTINUANCE									
	10											10			611	97400	10	FT	CONDUIT, MISC.: 6" TYPE C FOR DRAINAGE DISCHARGE CONTINUANCE									
	10											10			611	97400	10	FT	CONDUIT, MISC.: 6" TYPE E FOR DRAINAGE DISCHARGE CONTINUANCE									
	10											10			611	97400	10	FT	CONDUIT, MISC.: 6" TYPE F FOR DRAINAGE DISCHARGE CONTINUANCE									
			3									1		2	611	98470	3	EACH	CATCH BASIN, NO. 2-2B									
			1										1		611	98700	1	EACH	INLET, SIDE DITCH									
			1									1			611	99574	1	EACH	MANHOLE, NO. 3									
	5		20									25			611	99710	25	EACH	PRECAST REINFORCED CONCRETE OUTLET									
	1											1			611	99720	1	EACH	INSPECTION WELL									
PAVEMENT																												
680												680			251	01041	680	SY	PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE), AS PER PLAN									
			12,484									9,269	3,215		254	01000	12,484	SY	PAVEMENT PLANING, ASPHALT CONCRETE (1.5")									
45			2,073	49								1,709	413	21	24	301	46000	2,167	CY	ASPHALT CONCRETE BASE, PG64-22								
			1,502	41								1,231	312			304	20000	1,543	CY	AGGREGATE BASE								
			2,587	22								2,030	579			407	20000	2,609	GAL	NON-TRACKING TACK COAT								
			842									582	260			411	10000	842	CY	STABILIZED CRUSHED AGGREGATE								
			1,323	13								973	363			442	10000	1,336	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446)								
			376									304	72			442	10100	376	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)								
		76										38	38			609	24510	76	FT	CURB, TYPE 4-C								
			1.63									1.13	0.5			618	41000	1.63	MILE	RUMBLE STRIPES, EDGE LINE (ASPHALT CONCRETE)								
TRAFFIC CONTROL																												
								206				206				621	00100	206	EACH	RPM								
								136				136				621	54000	136	EACH	RAISED PAVEMENT MARKER REMOVED								
		58										36	18	4		626	00110	58	EACH	BARRIER REFLECTOR, TYPE 2 (BI-DIRECTIONAL)								
									240			240				630	02100	240	FT	GROUND MOUNTED SUPPORT, NO. 2 POST								
									480			480				630	03100	480	FT	GROUND MOUNTED SUPPORT, NO. 3 POST								
									15			15				630	08520	15	FT	STREET NAME SIGN SUPPORT, NO. 3 POST								
									303.7			303.7				630	80100	303.7	SF	SIGN, FLAT SHEET								
									61			61				630	84900	61	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL								
									44			44				630	86002	44	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL								
								1.7				1.7				644	00104	1.7	MILE	EDGE LINE, 6"								
								1.13				1.13				644	00300	1.13	MILE	CENTER LINE								
								841				841				644	00400	841	FT	CHANNELIZING LINE, 8"								
												188				644	00500	188	FT	STOP LINE								
												10				644	01300	10	EACH	LANE ARROW								
												0.21				646	10010	0.21	MILE	EDGE LINE, 6"								
												0.13				646	10200	0.13	MILE	CENTER LINE								
TRAFFIC SIGNALS																												
												1				625	18510	1	EACH	BRACKET ARM, 30'								
												41				625	25400	41	FT	CONDUIT, 2", 725.04								
												32				625	25600	32	FT	CONDUIT, 4", 725.04								
												73				625	29000	73	FT	TRENCH								
												2				625	30706	2	EACH	PULL BOX, 725.08, 24"								
												6				625	31510	6	EACH	PULL BOX REMOVED								
												10				625	32000	10	EACH	GROUND ROD								
AMP	12/30/19	ITEM 621 - RPM AND RPM REMOVED ADDED																	8	8			630	97700	8	EACH	SIGNING, MISC.: "SIGNAL OPERATION CHANGED" SIGN	95
REV. BY	DATE	DESCRIPTION																	16	16			632	05007	16	EACH	VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN	95
DATE COMPLETED																			4	4			632	05087	4	EACH	VEHICULAR SIGNAL HEAD, (LED), 5-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN	95

GENERAL SUMMARY

DEL - 42 - 1.41

\\10.120.108.5\ibishare\16558.D6_CO_GES\5.0_Design (Work) Phase\Task 6-E_DEL-42-156 Safety Improvements\08685_Sheets\Roadway\Design\Roadway\Sheets\08685_GG003.dgn Sheet 2019-12-30 4:15:54 PM anthony.pis

SHEET NUM.					PART.				ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
9	10	10A	11	97	01/SAF/PV	02/SAF/PV	03/NHS/CV	04/SAF/CV						
												TRAFFIC SIGNALS (CONT.)		
				20					632	25000	20	EACH	COVERING OF VEHICULAR SIGNAL HEAD	
				170					632	29900	170	FT	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES	
				760					632	30300	760	FT	MESSENGER WIRE, 7 STRAND, 7/16" DIAMETER WITH ACCESSORIES	
				760					632	30600	760	FT	TETHER WIRE, WITH ACCESSORIES	
				2,070					632	40700	2,070	FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	
				8					632	64000	8	EACH	STRAIN POLE FOUNDATION	
				70					632	68300	70	FT	POWER CABLE, 3 CONDUCTOR, NO. 6 AWG	
				250					632	69800	250	FT	SERVICE CABLE, 3 CONDUCTOR, NO. 6 AWG	
				2					632	70001	2	EACH	POWER SERVICE, AS PER PLAN	96
				4					632	83201	4	EACH	STRAIN POLE, TYPE TC-81.10, DESIGN 12, AS PER PLAN	95
				3					632	83301	3	EACH	STRAIN POLE, TYPE TC-81.10, DESIGN 13, AS PER PLAN	95
				1					632	85321	1	EACH	COMBINATION STRAIN POLE, TYPE TC-81.10, DESIGN 13, AS PER PLAN	95
				2					632	90100	2	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION	95
				3					632	90104	3	EACH	REUSE OF TRAFFIC CONTROL ITEM, WIRELESS COMMUNICATIONS EQUIPMENT	96
				2					633	01551	2	EACH	CONTROLLER UNIT, TYPE TS2/A2, WITH CABINET, TYPE TS2, AS PER PLAN	96
				2					633	67101	2	EACH	CABINET FOUNDATION, AS PER PLAN	96
				2					633	67201	2	EACH	CONTROLLER WORK PAD, AS PER PLAN	96
				2					633	75001	2	EACH	UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN	96
				4					809	69000	4	EACH	ADVANCE RADAR DETECTION	96A
				8					809	69100	8	EACH	STOP LINE RADAR DETECTION	96A
													MAINTENANCE OF TRAFFIC	
150					150				410	12000	150	CY	TRAFFIC COMPACTED SURFACE, TYPE A OR B	
	50				50				614	11110	50	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
			23		23				614	12350	23	EACH	WORK ZONE IMPACT ATTENUATOR	
	LS				LS				614	12420	LS		DETOUR SIGNING	
	30	20			50				614	13000	50	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
	120				120				614	13310	120	EACH	BARRIER REFLECTOR, TYPE 1 (ONE-WAY)	
	120				120				614	13350	120	EACH	OBJECT MARKER, ONE WAY	
			2.84		2.84				614	21100	2.84	MILE	WORK ZONE CENTER LINE, CLASS I, 642 PAINT	
			2.44		2.44				614	21550	2.44	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	
			4.21		4.21				614	22100	4.21	MILE	WORK ZONE EDGE LINE, CLASS I, 4", 642 PAINT	
			3.38		3.38				614	22350	3.38	MILE	WORK ZONE EDGE LINE, CLASS III, 4", 642 PAINT	
			148		148				614	26200	148	FT	WORK ZONE STOP LINE, CLASS I, 642 PAINT	
			376		376				614	26610	376	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	
			3,765		3,765				615	10000	LS		ROADS FOR MAINTAINING TRAFFIC	
									615	20000	3,765	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A	
65					65				616	10000	65	MGAL	WATER	
			9,709		9,709				622	41000	9,709	FT	PORTABLE BARRIER, 32"	
													INCIDENTALS	
					LS				614	11000	LS		MAINTAINING TRAFFIC	
					7				619	16010	7	MNTH	FIELD OFFICE, TYPE B	
					LS				623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
					LS				624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DEL - 42 - 1.41

AMP	12/30/19	ITEM 615 - ROADS FOR MAINTAINING PAVEMENT - ADDED
REV. BY	DATE	DESCRIPTION
DATE COMPLETED		

25
107

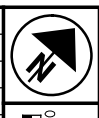
\\10.120.108.5\bishare\16558.D6 CO GFS\5.0 Design (Work) Phase\Task 6-E_DEL-42-156 Safety Improvements\08685\Design\Traffic\08685_TS001.dgn Sheet 209-12-31:09:20 PM anthony.pisonel

SHEET NO.	REFERENCE NO.	LOCATION	STATION		SIDE	621		644	644	644	644	644	646	646							
			FROM	TO		RPM	RAISED PAVEMENT MARKER REMOVED	EDGE LINE, 6"	CENTER LINE	CHANNELIZING LINE, 8"	STOP LINE	LANE ARROW	EDGE LINE, 6"	CENTER LINE							
						EACH	EACH	MILE	MILE	FT	FT	EACH	MILE	MILE							
83-89	CL-1	US 42	73+50	102+88	LT/RT	37	37		2938												
83-84	CL-2	US 42	73+82	77+92	RT	5		410													
83-85	EW-1	US 42	73+50	11+00 (DUBLIN RD)	LT			929													
83-85	EW-2	US 42	73+50	6+90 (DUBLIN RD)	RT	16	16	993													
85-89	EW-3	US 42	11+00 (DUBLIN RD)	102+88.10	LT	16	16	2147													
85-89	EW-4	US 42	6+90 (DUBLIN RD)	102+88.10	RT	16		2370													
90-91	EW-5	US 42	108+49	20+06.90 (KLONDIKE RD)	LT			422													
90-91	EW-6	US 42	108+49	17+50 (RIVERSIDE DR)	RT	16	16	341													
91-93	EW-7	US 42	20+06.90 (KLONDIKE RD)	120+27.77	LT	16	16	827													
91-93	EW-8	US 42	17+50 (RIVERSIDE DR)	120+27.77	RT	3	3	966													
84	A-1	US 42	78+81		€							1									
84-85	CH-1	US 42	78+17	80+87	RT	8			270												
85	A-2	US 42	79+69		€							1									
85	A-3	US 42	80+57		€							1									
85	A-4	US 42	82+69		€							1									
85	A-5	US 42	83+57		€							1									
85-86	CH-2	US 42	82+39	85+09	LT	8			270												
85	SL-1	US 42	80+87		LT/RT						25										
85	SL-2	DUBLIN ROAD	10+24		LT						13										
85	SL-3	US 42	82+39		LT/RT						30										
85	SL-4	DUBLIN ROAD	9+07		RT						13										
85	CL-3	DUBLIN ROAD	10+24	10+64	€	2	2		40												
85	CL-4	DUBLIN ROAD	6+90	9+07	€	4	4		217												
86	A-6	US 42	84+45		€							1									
	A-7		NOT USED																		
86-87	CL-5	US 42	85+34	89+44	LT	7		410													
89-90	CL-10	US 42	102+88	108+49	€	8	8							561							
89-90	EW-9	US 42	102+88	108+49	LT								561								
89-90	EW-10	US 42	102+88	108+49	RT								561								
90	CL-11	US 42	107+35	108+49	RT	2	2							114							
90-93	CL-12	US 42	108+49	120+00	LT/RT	14	14		1151												
90-91	CL-6	US 42	108+49	110+55	RT	6		206													
91	CH-3	US 42	110+65	110+95	RT	3			30												
91-92	CH-4	US 42	112+66	115+37	LT	8			271												
91	SL-5	US 42	110+95		LT/RT						37										
91	SL-6	US 42	19+32		LT						15										
91	SL-7	US 42	112+66		LT/RT						39										
91	SL-8	US 42	18+45		RT						16										
91	A-8	US 42	110+85		€							1									
91	A-9	US 42	112+96		€							1									
91	A-10	US 42	113+84		€							1									
91	CL-7	KLONDIKE ROAD	19+32	20+00	€	2		68													
91	CL-8	RIVERSIDE DRIVE	17+52	18+45	€	2	2	93													
92-93	CL-9	US 42	115+62	119+71	LT	7		409													
92	A-11	US 42	114+72		€							1									
								SUBTOTAL	SUBTOTAL				SUBTOTAL	SUBTOTAL							
								8995	5942				1122	675							
								FT	FT				FT	FT							
TOTALS CARRIED TO GENERAL SUMMARY						206	136	1.70	1.13	841	188	10	0.21	0.13							

CALCULATED		JAW		CHECKED		BSS	
TRAFFIC CONTROL SUBSUMMARY							
DEL -42 -1.41							
AMP	12/30/19	ITEM 621 - RPM AND RPM REMOVED ADDED					
REV. BY	DATE	DESCRIPTION					
DATE COMPLETED							
(8.0)							
107							

\\10.120.108.5\ibishare\16558.D6 CO GES\5.0 Design (Work) Phase\Task 6-E_DEL-42-1.56 Safety Improvements\08685_Sheets\TP001.dgn Sheet 2019-12-30 4:42:33 PM anthony.p.isaran

AMP	12/30/19	RPM NOTE ADDED
REV. BY	DATE	DESCRIPTION
DATE COMPLETED		



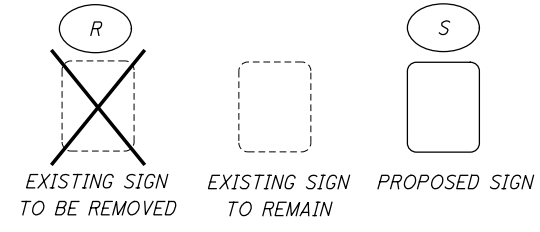
CALCULATED
JMK
CHECKED
KMK

SIGN & PAVEMENT MARKING PLAN - US 42
STA. 70+00 TO STA. 74+00

DEL-42-1.41

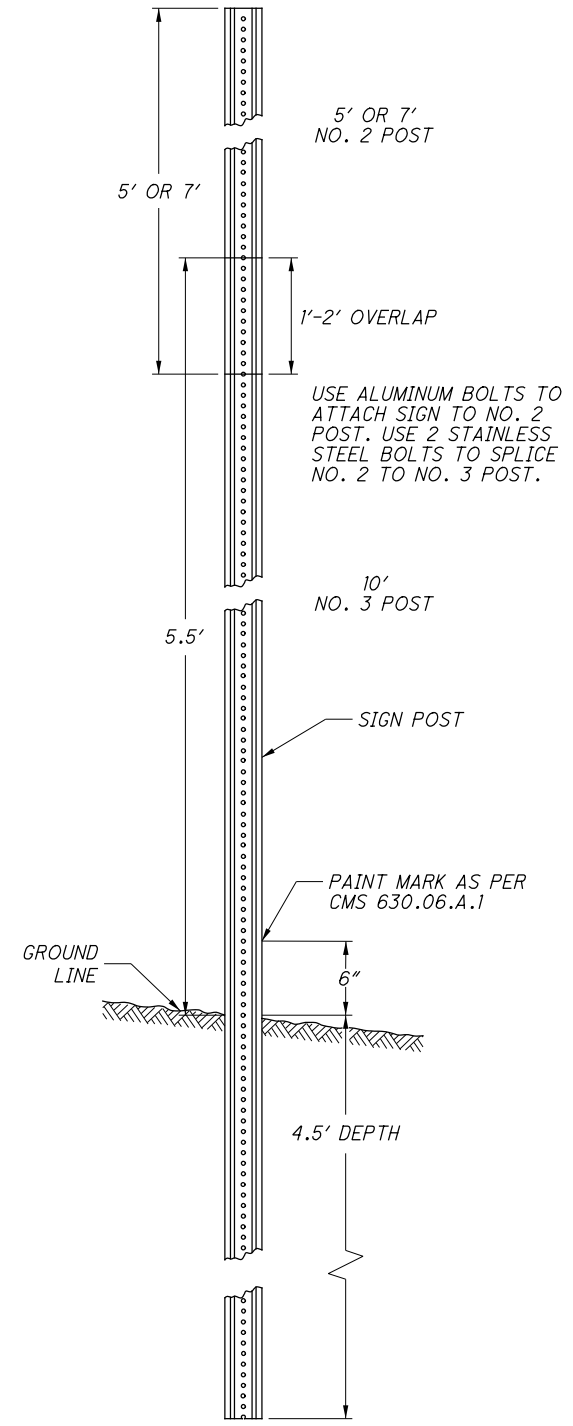
SIGN AND PAVEMENT MARKING LEGEND

- EDGE LINE, 6" WHITE
- CENTER LINE
- CHANNELIZING LINE
- STOP LINE
- CROSSWALK LINE
- TRANSVERSE/DIAGONAL LINE
- LANE ARROW



→ DIRECTION OF TRAVEL

NOTE
RPM'S SHALL BE INSTALLED PER SCD TC-65.10 & TC-65.11



TYPICAL NO. 2 & NO. 3 U CHANNEL SPLICE WITH 10' DRIVEN SECTION INSTALLATION

