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								51				611	06100	51	FT	15" CONDUIT, TYPE C	
			131								131				611	06400	131	FT	15" CONDUIT, TYPE D	
			50								50				611	07900	50	FT	18" CONDUIT, TYPE D	
						190								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						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	7
	10										10				611	97400	10	FT	CONDUIT, MISC.: 6" TYPE C FOR DRAINAGE DISCHARGE CONTINUANCE	7
	10										10				611	97400	10	FT	CONDUIT, MISC.: 6" TYPE E FOR DRAINAGE DISCHARGE CONTINUANCE	7
	10										10				611	97400	10	FT	CONDUIT, MISC.: 6" TYPE F FOR DRAINAGE DISCHARGE CONTINUANCE	7
			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	6
				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	
				861	13						638	236			442	10000	874	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			188				644	00500	188	FT	STOP LINE	
								10			10				644	01300	10	EACH	LANE ARROW	
								0.21			0.21				646	10010	0.21	MILE	EDGE LINE, 6"	
								0.13			0.13				646	10200	0.13	MILE	CENTER LINE	
																			TRAFFIC SIGNALS	
										1	1				625	18510	1	EACH	BRACKET ARM, 30'	
										41	41				625	25400	41	FT	CONDUIT, 2", 725.04	
										32	32				625	25600	32	FT	CONDUIT, 4", 725.04	
										73	73				625	29000	73	FT	TRENCH	
										2	2				625	30706	2	EACH	PULL BOX, 725.08, 24"	
										6	6				625	31510	6	EACH	PULL BOX REMOVED	
										10	10				625	32000	10	EACH	GROUND ROD	
										8	8				630	97700	8	EACH	SIGNING, MISC.: "SIGNAL OPERATION CHANGED" SIGN	95
										16	16				632	05007	16	EACH	VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN	95
										4	4				632	05087	4	EACH	VEHICULAR SIGNAL HEAD, (LED), 5-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN	95

REV. BY	DATE	DESCRIPTION
JMK	01/14/20	ITEM 442 - AC SURFACE COURSE QUANTITY REVISED
AMP	12/30/19	ITEM 621 - RPM AND RPM REMOVED ADDED
DATE COMPLETED		

CALCULATED JMK
CHECKED KMK

GENERAL SUMMARY

DEL-42-1.41

\\10.120.108.5\ibishare\116558_D6 CO GES\5.0 Design (Work) Phase\Task 6-E_DEL-42-1.56 Safety Improvements\108685\Design\Roadway\Sheets\108685_GG002.dgn Sheet 2020-01-14 3:50:24 PM jennifer.kelly

PAVEMENT CALCULATIONS

STATION RANGE			ROUTE	SIDE	LENGTH L (FT)	AVERAGE WIDTH W (FT)	SURFACE AREA A (SF) A=LxW	EDGE COURSE AREAS 4" BEYOND	10" BEYOND	16" BEYOND	SAFETY EDGE	204 SUBGRADE COMPACTION	204 PROOF ROLLING	209 PREPARING SUBGRADE FOR SHOULDER PAVING	254 PAVEMENT PLANING, ASPHALT CONCRETE (1.5")	301 ASPHALT CONCRETE BASE, PG64-22	304 AGGREGATE BASE	407 NON-TRACKING TACK COAT	411 STABILIZED CRUSHED AGGREGATE	442 ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)	442 ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (446)	618 RUMBLE STRIPES, EDGE LINE (ASPHALT CONCRETE)			
											CY	SY	HOUR	MILE	SY	CY	CY	GAL	CY	CY	CY	MILES			
73+50	TO	74+20	US 42 PAVED SHOULDER (FULL DEPTH)	LT	70.00	3.49	244.30	23.33	58.33	93.33	0.16	37.51	0.02	0.013		7.92	6.25	5.49		1.30	1.32	70.00			
73+50	TO	74+20	US 42 PAVED SHOULDER (FULL DEPTH)	RT	70.00	2.70	189.00	23.33	58.33	93.33	0.16	31.37	0.02	0.013		6.38	5.23	4.39		1.04	1.02	70.00			
74+20	TO	80+87	US 42 PAVED SHOULDER (FULL DEPTH)	LT	667.00	4.00	2668.00	222.33	555.83	889.33	1.57	395.26	0.20	0.126		84.92	65.88	59.15		13.92	14.41	667.00			
74+20	TO	80+75.35	US 42 PAVED SHOULDER (FULL DEPTH)	RT	655.35	4.00	2621.40	218.45	546.13	873.80	1.54	388.36	0.19	0.124		83.44	64.73	58.12		13.68	14.16	655.35			
73+50	TO	80+87	US 42 AGGREGATE SHOULDER	LT	737.00	4.00	2948.00												72.79						
73+50	TO	80+75.35	US 42 AGGREGATE SHOULDER	RT	725.35	4.00	2901.40												71.64						
73+50	TO	73+82	US 42 MAINLINE (FULL DEPTH)	LT	32.00	1.00	32.00					3.56	0.00			0.89	0.59	0.64		0.15	0.17				
73+82	TO	77+42	US 42 MAINLINE (FULL DEPTH)	LT	360.00	4.00	1440.00					160.00	0.08			40.00	26.67	28.80		6.67	7.78				
77+42	TO	80+87	US 42 MAINLINE (FULL DEPTH)	LT	345.00	7.00	2415.00					268.33	0.13			67.08	44.72	48.30		11.18	13.04				
73+50	TO	73+82	US 42 MAINLINE (FULL DEPTH)	RT	32.00	1.00	32.00					3.56	0.00			0.89	0.59	0.64		0.15	0.17				
73+82	TO	77+42	US 42 MAINLINE (FULL DEPTH)	RT	360.00	4.00	1440.00					160.00	0.08			40.00	26.67	28.80		6.67	7.78				
77+42	TO	80+87	US 42 MAINLINE (FULL DEPTH)	RT	345.00	7.00	2415.00					268.33	0.13			67.08	44.72	48.30		11.18	13.04				
82+73.53	TO	102+18	US 42 PAVED SHOULDER (FULL DEPTH)	LT	1944.47	4.00	7777.88	648.16	1620.39	2592.63	4.58	1152.28	0.58	0.368		247.56	192.05	172.44		40.58	42.01	1944.47			
82+38.90	TO	102+18	US 42 PAVED SHOULDER (FULL DEPTH)	RT	1979.10	4.00	7916.40	659.70	1649.25	2638.80	4.66	1172.80	0.59	0.375		251.97	195.47	175.51		41.31	42.76	1979.10			
102+18	TO	102+68	US 42 PAVED SHOULDER (FULL DEPTH)	LT	50.00	5.00	250.00	16.67	41.67	66.67	0.12	35.19	0.02	0.009		7.75	5.86	5.43		1.28	1.35	50.00			
102+18	TO	102+68	US 42 PAVED SHOULDER (FULL DEPTH)	RT	50.00	5.00	250.00	16.67	41.67	66.67	0.12	35.19	0.02	0.009		7.75	5.86	5.43		1.28	1.35	50.00			
102+68	TO	102+88.03	US 42 PAVED SHOULDER (FULL DEPTH)	LT	20.03	6.00	120.18	6.68	16.69	26.71	0.05	16.32	0.01	0.004		3.66	2.72	2.58		0.60	0.65	20.03			
102+68	TO	102+88.03	US 42 PAVED SHOULDER (FULL DEPTH)	RT	20.03	6.00	120.18	6.68	16.69	26.71	0.05	16.32	0.01	0.004		3.66	2.72	2.58		0.60	0.65	20.03			
82+73.53	TO	102+88.03	US 42 AGGREGATE SHOULDER	LT	2014.50	4.00	8058.00												198.96						
82+38.90	TO	102+88.03	US 42 AGGREGATE SHOULDER	RT	2049.13	4.00	8196.52												202.38						
82+57.58	TO	85+84.03	US 42 MAINLINE (FULL DEPTH)	LT	326.45	7.00	2285.15					253.91	0.13			63.48	42.32	45.70		10.58	12.34				
85+84.03	TO	89+44.48	US 42 MAINLINE (FULL DEPTH)	LT	360.45	4.00	1441.80					160.20	0.08			40.05	26.70	28.84		6.67	7.79				
89+44.48	TO	102+88.03	US 42 MAINLINE (FULL DEPTH)	LT	1343.55	1.00	1343.55					149.28	0.07			37.32	24.88	26.87		6.22	7.26				
82+38.90	TO	85+83.77	US 42 MAINLINE (FULL DEPTH)	RT	344.87	7.00	2414.09					268.23	0.13			67.06	44.71	48.28		11.18	13.04				
85+83.77	TO	89+43.54	US 42 MAINLINE (FULL DEPTH)	RT	359.77	4.00	1439.08					159.90	0.08			39.97	26.65	28.78		6.66	7.77				
89+43.54	TO	102+88.03	US 42 MAINLINE (FULL DEPTH)	RT	1344.49	1.00	1344.49					149.39	0.07			37.35	24.90	26.89		6.22	7.26				
108+50	TO	110+95	US 42 PAVED SHOULDER (FULL DEPTH)	LT	245.00	4.00	980.00	81.67	204.17	326.67	0.58	145.19	0.07	0.046		31.19	24.20	21.73		5.11	5.29	245.00			
108+50	TO	110+54.86	US 42 PAVED SHOULDER (FULL DEPTH)	RT	204.86	4.00	819.44	68.29	170.72	273.15	0.48	121.40	0.06	0.039		26.08	20.23	18.17		4.28	4.43	204.86			
108+50	TO	110+95	US 42 AGGREGATE SHOULDER	LT	245.00	4.00	980.00												24.20						
108+50	TO	110+54.86	US 42 AGGREGATE SHOULDER	RT	204.86	4.00	819.44												20.23						
108+50	TO	110+95	US 42 MAINLINE (FULL DEPTH)	LT	245.00	4.95	1212.75					134.75	0.07			33.69	22.46	24.26		5.61	6.55				
108+50	TO	110+60.67	US 42 MAINLINE (FULL DEPTH)	RT	210.67	4.65	979.62					108.85	0.05			27.21	18.14	19.59		4.54	5.29				
113+03.09	TO	119+72.77	US 42 PAVED SHOULDER (FULL DEPTH)	LT	669.68	4.00	2678.72	223.23	558.07	892.91	1.58	396.85	0.20	0.127		85.26	66.14	59.39		13.98	14.47	669.68			
112+66.42	TO	119+72.77	US 42 PAVED SHOULDER (FULL DEPTH)	RT	706.35	4.00	2825.40	235.45	588.63	941.80	1.66	418.58	0.21	0.134		89.93	69.76	62.64		14.74	15.26	706.35			
119+72.77	TO	120+27.77	US 42 PAVED SHOULDER (FULL DEPTH)	LT	55.00	3.34	183.70	18.33	45.83	73.33	0.13	28.56	0.01	0.010		5.99	4.76	4.15		0.98	0.99	55.00			
119+72.77	TO	120+27.77	US 42 PAVED SHOULDER (FULL DEPTH)	RT	55.00	2.91	160.05	18.33	45.83	73.33	0.13	25.93	0.01	0.010		5.34	4.32	3.68		0.87	0.86	55.00			
113+03.09	TO	120+27.77	US 42 AGGREGATE SHOULDER	LT	724.68	4.00	2898.72												71.57						
112+66.42	TO	120+27.77	US 42 AGGREGATE SHOULDER	RT	761.35	4.00	3045.40												75.20						
113+03.09	TO	116+11.42	US 42 MAINLINE (FULL DEPTH)	LT	308.33	7.00	2158.31					239.81	0.12			59.95	39.97	43.17		9.99	11.66				
116+11.42	TO	119+71.41	US 42 MAINLINE (FULL DEPTH)	LT	359.99	4.00	1439.96					160.00	0.08			40.00	26.67	28.80		6.67	7.78				
119+71.41	TO	120+27.77	US 42 MAINLINE (FULL DEPTH)	LT	56.36	1.00	56.36					6.26	0.00			1.57	1.04	1.13		0.26	0.30				
112+66.42	TO	116+11.42	US 42 MAINLINE (FULL DEPTH)	RT	345.00	7.00	2415.00					268.33	0.13			67.08	44.72	48.30		11.18	13.04				
116+11.42	TO	119+71.41	US 42 MAINLINE (FULL DEPTH)	RT	359.99	4.00	1439.96					160.00	0.08			40.00	26.67	28.80		6.67	7.78				
119+71.41	TO	120+27.77	US 42 MAINLINE (FULL DEPTH)	RT	56.36	1.00	56.36					6.26	0.00			1.57	1.04	1.13		0.26	0.30				
73+50	TO	80+87	US 42 MAINLINE (RESURFACING)	LT/RT	737.00	22.00	16214.00								1801.56			162.14		75.06					
82+38.90	TO	89+73.21	US 42 MAINLINE (RESURFACING)	LT/RT	734.31	22.00	16154.82								1794.98			161.55		74.79					
89+73.21	TO	102+88.03	US 42 MAINLINE (RESURFACING)	LT/RT	1314.82	22.00	28926.04								3214.00			289.26		133.92					
108+50	TO	110+95	US 42 MAINLINE (RESURFACING)	LT/RT	245.00	22.00	5390.00								598.89			53.90		24.95					
112+66.42	TO	120+27.77	US 42 MAINLINE (RESURFACING)	LT/RT	761.35	22.00	16749.70								1861.08			167.50		77.54					
80+75.35	TO	82+73.53	INTERSECTION AREA PAVED SHOULDER (FULL DEPTH)	LT/RT			2985.59	158.47	396.17	633.87		402.16	0.20			90.64	67.03	62.35		13.82	16.13	475.40			
80+87	TO	82+57.58	INTERSECTION AREA (FULL DEPTH)	LT/RT			2250.82					250.09	0.13			62.52	41.68	45.02		10.42	12.16				
80+87	TO	82+38.90	INTERSECTION AREA (RESURFACING)	LT/RT			15184.08								1687.12			151.84		70.30					
80+75.35	TO	82+73.53	INTERSECTION AREA AGGREGATE SHOULDER	LT/RT	475.42	4.00	1901.67												46.95						
110+54.86	TO	113+03.09	INTERSECTION AREA PAVED SHOULDER (FULL DEPTH)	LT/RT			2701.77	195.50	488.74	781.99		387.08	0.19			84.55	64.51	57.29		12.51	14.59	586.49			
110+60.67	TO	113+03.09	INTERSECTION AREA (FULL DEPTH)	LT/RT			3329.07					369.90	0.18			92.47	61.65	66.58		15.41	17.98				
110+95.00	TO	112+66.42	INTERSECTION AREA (RESURFACING)	LT/RT			13733.83								1525.98			137.34		63.58					
110+54.86	TO	113+03.09	INTERSECTION AREA AGGREGATE SHOULDER	LT/RT	586.49	4.00	2345.96												57.92						
10+36.61	TO	11+95.09	DUBLIN RD. MAINLINE (FULL DEPTH)	LT	158.48	2.00	316.96					35.22	0.02			8.80	5.87	6.34		1.47	1.71				
10+36.61	TO	11+31.98	DUBLIN RD. PAVED SHOULDER (FULL DEPTH)	LT	95.37	4.00	381.48	31.79	79.48	127.16	0.22	56.52	0.03	0.018		12.14	9.42	8.46		1.99	2.06	95.37				
																						SUBTOTAL			
																						8619.13			
JMK	01/14/20	ITEM 442 - AC SURFACE COURSE QUANTITY REVISED																				FT			
REV. BY	DATE	DESCRIPTION	TOTALS CARRIED TO GENERAL SUMMARY									9,007	5	1.43	12,484	2,073	1,502	2,587	842	861	376	1.63			

DATE COMPLETED

CALCULATED JMK
CHECKED KMK

PAVEMENT SUBSUMMARY

DEL-42-1.41

\\10.120.108.5\ibishare\116558_D6 CO GES\5.0 Design (Work) Phase\Task 6-E_DEL-42-1.56 Safety Improvements\108685\Design\Roadway\Sheets\108685_GS003.dgn Sheet 2020-01-14 3:48:31 PM Jennifer.Kelley