

I:\Project+Data\CUY-271-10.24\Design\Roadway\Sheets\08655_GG00.dgn Sheet 3/27/2020 8:26:54 AM k.dohien

SHEET NUM.										PART.			ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
4	5	7	15	7C	15A					01/NFP/OT			EXT	TOTAL				
ROADWAY																		
LS			2,626		76					LS			201	11000	LS	CLEARING AND GRUBBING		
					125					2,702			202	75000	2,702	FT	FENCE REMOVED	
					125					125			202	32000	125	FT	CURB REMOVED	
			6		125					125			202	38200	125	FT	GUARDRAIL REMOVED FOR REUSE	
										6			203	10000	6	CY	EXCAVATION	
			341							341			203	20000	341	CY	EMBANKMENT	
			475							475			606	15050	475	FT	GUARDRAIL, TYPE MGS	
					125					125			606	16000	125	FT	GUARDRAIL REBUILT	
			1							1			606	26550	1	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
			32		76					108			607	23000	108	FT	FENCE, TYPE CLT	
										2			607	61200	2	EACH	GATE, TYPE CLT	
					125					125			609	10000	125	FT	ASPHALT CONCRETE CURB, TYPE 1	
			6							6			626	00110	6	EACH	BARRIER REFLECTOR, TYPE 2, ONE WAY	
EROSION CONTROL																		
			2							2			601	32200	2	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	
			580							580			659	00300	580	CY	TOPSOIL	
			5,222							5,222			659	10000	5,222	SY	SEEDING AND MULCHING	
			262							262			659	14000	262	SY	REPAIR SEEDING AND MULCHING	
			262							262			659	15000	262	SY	INTER-SEEDING	
			0.73							0.73			659	20000	0.73	TON	COMMERCIAL FERTILIZER	
			1.08							1.08			659	31000	1.08	ACRE	LIME	
			29							29			659	35000	29	MGAL	WATER	
										LS			832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN	
										LS			832	15002	LS		STORM WATER POLLUTION PREVENTION INSPECTIONS	
										LS			832	15010	LS		STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE	
										39,700			832	30000	39,700	EACH	EROSION CONTROL	
DRAINAGE																		
			0.7							0.7			602	20000	0.7	CY	CONCRETE MASONRY	
			2,956							2,956			605	13300	2,956	FT	6" UNCLASSIFIED PIPE UNDERDRAINS	
			222							222			611	00510	222	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	
			28							28			611	07200	28	FT	18" CONDUIT, TYPE A	
LS										LS			611	97300	LS		CONDUIT, MISC.: EXISTING 12" SANITARY SEWER LINE LOCATE	
			6							6			611	99710	6	EACH	PRECAST REINFORCED CONCRETE OUTLET	
NOISE BARRIERS																		
					1					1			202	98100	1	EACH	REMOVAL MISC.:NOISE BARRIER POST, STEEL	
					1					1			202	98100	1	EACH	REMOVAL MISC.:NOISE BARRIER POST, CONCRETE	
					688					688			202	98400	688	SF	REMOVAL MISC.:BARRIER PANEL REMOVED AND DISPOSED	
					264					264			202	98400	264	SF	REMOVAL MISC.:BARRIER PANEL REMOVED AND REINSTALLED	
			39,234		624					39,858			SPECIAL	60610210	39,858	SF	NOISE BARRIER (REFLECTIVE), CONCRETE	
			4,872							4,872			SPECIAL	60610210	4,872	SF	NOISE BARRIER (REFLECTIVE), FIBERGLASS	
					1,696					1,696			SPECIAL	60610210	1,696	SF	NOISE BARRIER (REFLECTIVE), SAFE AND SOUND	
					624					624			SPECIAL	60610310	624	SF	NOISE BARRIER (ABSORPTIVE)	
1										1			SPECIAL	60610810	1	EACH	NOISE BARRIER NOISE PANEL SEAT	
1										1			SPECIAL	60610810	1	EACH	NOISE BARRIER NOISE PANEL LATERAL SUPPORT	
					6					6			SPECIAL	60610810	6	EACH	NOISE BARRIER CONCRETE POST CAP - NON-INTEGRAL	
MAINTENANCE OF TRAFFIC																		
		100								100			614	11110	100	hour	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
				1						1			614	12336	1	EACH	WORK ZONE IMPACT ATTENUATOR (UNIDIRECTIONAL)	
		2								2			614	12484	2	EACH	WORK ZONE INCREASED PENALTIES SIGN	
				4						4			614	13310	4	EACH	BARRIER REFLECTOR, TYPE 1, ONE WAY	
				4						4			614	13350	4	EACH	OBJECT MARKER, ONE WAY	
				0.26						0.26			614	22210	0.26	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 740.06, TYPE I	
				210						210			622	41100	210	FT	PORTABLE BARRIER, UNANCHORED	
INCIDENTALS																		
										LS			614	11000	LS		MAINTAINING TRAFFIC	
										LS			623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
										LS			624	10000	LS		MOBILIZATION	

GENERAL SUMMARY
CUY-271-10.24
NOISE BARRIER

SEEDING AND MULCHING QUANTITIES HAVE BEEN PROVIDED AT THE FOLLOWING LOCATIONS:

WALL 1 - STA. 100+00 TO STA. 112+78
WALL 2 - STA. 200+00 TO STA. 218+44

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDING AREAS:

ITEM 659 - SEEDING AND MULCHING 5,222 SY

ITEM 659 - TOPSOIL 580 CY
(5,222 SY) X (111 CY / 1000 SY OF SEEDING AND MULCHING)

ITEM 659 - REPAIR SEEDING AND MULCHING 262 SY
(5,222 SY) X (0.05 OF SEEDING AND MULCHING)

ITEM 659 - INTER-SEEDING 262 SY
(5,222 SY) X (0.05 OF SEEDING AND MULCHING)

ITEM 659 - COMMERCIAL FERTILIZER 0.73 TON
(5,222 SY) X (1 TON/7410 SY OF SEEDING AND MULCHING)
+ (262 SY) X (1 TON/1110 SY OF INTER-SEEDING)

ITEM 659 - LIME 1.08 ACRE
(5,222 SY) X (1 ACRE/4840 SY OF SEEDING AND MULCHING)

ITEM 659 - WATER 29 MGAL
(5,222 SY) X (2 X 0.0027 MGAL/SY OF SEEDING AND MULCHING)
+ (262 SY) X (0.0027 MGAL/SY OF INTER-SEEDING)

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT OF WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT OF WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THE ESTIMATED EARTH DISTURBED AREA CALCULATION. THE ESTIMATED EARTH DISTURBED AREA FOR WALL 1 INCLUDES 5 FT ON EACH SIDE OF THE WALL FOR THE ENTIRE LENGTH OF THE WALL, PLUS ADDITIONAL AREA INCLUDED FOR THE INSTALLATION OF DRAINAGE FEATURES. THE ESTIMATED EARTH DISTURBED AREA FOR WALL 2 INCLUDES 5 FT ON EACH SIDE OF THE WALL FROM STA. 200+00 TO STA. 206+40, AND 15 FT IN FRONT OF THE WALL AND 5 FT BEHIND THE WALL FROM STA. 206+40 TO STA. 218+44, PLUS ADDITIONAL AREA INCLUDED FOR THE INSTALLATION OF DRAINAGE FEATURES. ANY ADDITIONAL SEEDING AND MULCHING QUANTITIES REQUIRED SHALL BE INCIDENTAL TO THE PROJECT.

REF. NO.	SHEET NO.	STATION		SIDE	202	601	602	605	606	606	606	606	607	607	611	611	611	626
		FROM	TO		FENCE REMOVED FT	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER CY	CONCRETE MASONRY CY	6" UNCLASSIFIED PIPE UNDERDRAINS FT	GUARDRAIL, TYPE MGS FT	ANCHOR ASSEMBLY, MGS TYPE T EACH	SPECIAL - NOISE BARRIER (REFLECTIVE), CONCRETE SF	SPECIAL - NOISE BARRIER (REFLECTIVE), FIBERGLASS SF	FENCE, TYPE CLT FT	GATE, TYPE CLT EACH	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLET FT	18" CONDUIT, TYPE A FT	PRECAST REINFORCED CONCRETE OUTLET EACH	BARRIER REFLECTOR, TYPE 2 EACH
R-1	18-19	100+00.00	107+58.41	RT	762													
R-2	20-24	110+08.35	218+44.00	RT	1864													
GR-1	20-21	108+85.47	203+36.75	LT					475	1								6
W-1	18-21	100+00.00	112+78.00	Ø						11810	4872							
W-2	20-24	200+00.00	218+44.00	Ø						27424								
F-1	19	107+51.00	107+58.41	RT									16	1				
F-2	20-21	110+08.35	110+34.20	RT									16	1				
D-1	19	107+71.29	107+92.64	LT/RT		2	0.7									28		
UD-1	18-19	100+00.00	104+50.00	RT				450							18		1	
UD-2	19	104+55.00	108+50.00	RT/LT				398							8		1	
UD-3	19-21	108+55.00	203+62.50	LT				424							121			
UD-4	20-21	200+00.00	203+50.00	LT				350							25		1	
UD-5	22-23	205+00.00	209+95.00	RT				495							11		1	
UD-6	23-24	210+00.00	214+95.00	RT				495							21		1	
UD-7	24	215+00.00	218+44.00	RT				344							18		1	
TOTALS CARRIED TO GENERAL SUMMARY					2626	2	0.7	2956	475	1	39234	4872	32	2	222	28	6	6

EARTHWORK		
SHEET NO.	203	203
	EXCAVATION CY	EMBANKMENT CY
WALL 1		
25	0	0
26	0	0
27	0	0
28	0	0
29	0	0
30	0	0
31	0	10
32	6	243
33	0	86
34	0	2
35	0	0
36	0	0
37	0	0
38	0	0
WALL 2		
39	0	0
40	0	0
41	0	0
42	0	0
43	0	0
44	0	0
45	0	0
46	0	0
47	0	0
48	0	0
49	0	0
50	0	0
51	0	0
52	0	0
53	0	0
54	0	0
55	0	0
56	0	0
57	0	0
TOTALS CARRIED TO GENERAL SUMMARY	6	341

I:\ProjectData\CUY-271-10.24\Design\Roadway\Sheets\08655_GS00.dgn Sheet 3/27/2020 8:30:09 AM kdohien