


SHEET NUM.				PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
2	3	4	7	01/NHS/CV							
										ROADWAY	
			LS	LS	201	11000	LS			CLEARING AND GRUBBING	
			1.1	1.1	202	11301	1.1	CY		PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	3
			1	1	202	20010	1	EACH		HEADWALL REMOVED	
			27	27	202	32700	27	SY		GUTTER REMOVED	
			51	51	202	35200	51	FT		PIPE REMOVED, OVER 24"	
273				273	SPECIAL	20270130	273	FT		PIPE CLEANOUT OVER 48"	2
			50	50	202	75201	50	FT		FENCE REMOVED FOR REUSE, AS PER PLAN	2
			100	100	203	10000	100	CY		EXCAVATION	
			200	200	203	20000	200	CY		EMBANKMENT	
										EROSION CONTROL	
			79	79	601	11000	79	SY		RIPRAP, TYPE D	
			27	27	601	21050	27	SY		TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	
	2			2	659	00100	2	EACH		SOIL ANALYSIS TEST	
	39			39	659	00300	39	CY		TOPSOIL	
	353			353	659	10000	353	SY		SEEDING AND MULCHING	
	18			18	659	14000	18	SY		REPAIR SEEDING AND MULCHING	
	18			18	659	15000	18	SY		INTER-SEEDING	
	0.05			0.05	659	20000	0.05	TON		COMMERCIAL FERTILIZER	
	0.07			0.07	659	31000	0.07	ACRE		LIME	
	2			2	659	35000	2	MGAL		WATER	
			85	85	670	00520	85	SY		SLOPE EROSION PROTECTION MAT, TYPE B	
				2,500	832	30000	2,500	EACH		EROSION CONTROL	
										DRAINAGE	
			20	20	611	22200	20	FT		54" CONDUIT, TYPE A, 707.02 (0.138)	
273				273	611	97400	273	FT		CONDUIT, MISC.: VIDEO LOG	2
			1	1	611	98231	1	EACH		CATCH BASIN, NO. 4, AS PER PLAN	2
			9	9	611	98690	9	EACH		CATCH BASIN, MISC.: CATCH BASIN STEPS	3
										STRUCTURE 20 FOOT SPAN AND UNDER (WAY-21-1.86) OPTION A: SPRAY APPLIED STRUCTURAL LINER	
			LS	LS	503	11100	LS			COFFERDAMS AND EXCAVATION BRACING	
			118	118	509	10000	118	LB		EPOXY COATED REINFORCING STEEL	
			44	44	510	10000	44	EACH		DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	
			1	1	511	53010	1	CY		CLASS QC1 CONCRETE, MISC.: JUNCTION CHAMBER REPAIR	2
			1.33	1.33	602	20000	1.33	CY		CONCRETE MASONRY	
			273	273	833	10000	273	FT		CONDUIT RENEWAL USING SPRAY APPLIED STRUCTURAL LINER, ROUND CONDUIT (54" DIAMETER)	
										STRUCTURE 20 FOOT SPAN AND UNDER (WAY-21-1.86) OPTION B: CURED-IN-PLACE PIPE LINER	
			LS	LS	503	11100	LS			COFFERDAMS AND EXCAVATION BRACING	
			118	118	509	10000	118	LB		EPOXY COATED REINFORCING STEEL	
			44	44	510	10000	44	EACH		DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	
			1	1	511	53010	1	CY		CLASS QC1 CONCRETE, MISC.: JUNCTION CHAMBER REPAIR	2
			1.33	1.33	602	20000	1.33	CY		CONCRETE MASONRY	
			273	273	899	10000	273	FT		CURED-IN-PLACE PIPE LINER (54" DIAMETER)	
										MAINTENANCE OF TRAFFIC	
		24		24	614	11110	24	HOURL		LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
		LS		LS	614	12420	LS			DETOUR SIGNING	
										INCIDENTALS	
				LS	614	11000	LS			MAINTAINING TRAFFIC	
				LS	623	10000	LS			CONSTRUCTION LAYOUT STAKES AND SURVEYING	
				LS	624	10000	LS			MOBILIZATION	

DESIGN AGENCY
DISTRICT 3



ENGINEERING
TEAM TWO

DESIGNER
ACM

REVIEWER
KRB 12-06-21

PROJECT ID
110923

SHEET TOTAL
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WAY-21-1.86 ESTIMATED QUANTITIES: OPTION A (01/NHS/CV)			
ITEM	QUANTITY	UNIT	DESCRIPTION
201	LS		CLEARING AND GRUBBING
202	1.1	CY	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN
202	1	EACH	HEADWALL REMOVED
202	27	SY	GUTTER REMOVED
202	51	FT	PIPE REMOVED, OVER 24"
202	50	FT	FENCE REMOVED FOR REUSE, AS PER PLAN
203	100	CY	EXCAVATION
203	200	CY	EMBANKMENT
503	LS		COFFERDAMS AND EXCAVATION BRACING
509	118	LB	EPOXY COATED REINFORCING STEEL
510	44	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT
511	1	CY	CLASS QC1 CONCRETE, MISC.: JUNCTION CHAMBER REPAIR
601	79	SY	RIPRAP, TYPE D
601	27	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT
602	1.33	CY	CONCRETE MASONRY
611	20	FT	54" CONDUIT, TYPE A, 707.02 (0.138)
611	1	EACH	CATCH BASIN, NO. 4, AS PER PLAN
611	9	EACH	CATCH BASIN, MISC.: CATCH BASIN STEPS
670	85	SY	SLOPE EROSION PROTECTION MAT, TYPE B
833	273	FT	CONDUIT RENEWAL USING SPRAY APPLIED STRUCTURAL LINER, ROUND CONDUIT (54" DIAMETER)

WAY-21-1.86 ESTIMATED QUANTITIES: OPTION B (01/NHS/CV)			
ITEM	QUANTITY	UNIT	DESCRIPTION
201	LS		CLEARING AND GRUBBING
202	1.1	CY	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN
202	1	EACH	HEADWALL REMOVED
202	27	SY	GUTTER REMOVED
202	51	FT	PIPE REMOVED, OVER 24"
202	50	FT	FENCE REMOVED FOR REUSE, AS PER PLAN
203	100	CY	EXCAVATION
203	200	CY	EMBANKMENT
503	LS		COFFERDAMS AND EXCAVATION BRACING
509	118	LB	EPOXY COATED REINFORCING STEEL
510	44	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT
511	1	CY	CLASS QC1 CONCRETE, MISC.: JUNCTION CHAMBER REPAIR
601	79	SY	RIPRAP, TYPE D
601	27	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT
602	1.33	CY	CONCRETE MASONRY
611	20	FT	54" CONDUIT, TYPE A, 707.02 (0.138)
611	1	EACH	CATCH BASIN, NO. 4, AS PER PLAN
611	9	EACH	CATCH BASIN, MISC.: CATCH BASIN STEPS
670	85	SY	SLOPE EROSION PROTECTION MAT, TYPE B
899	273	FT	CURED-IN-PLACE PIPE LINER (54" DIAMETER)