8	(

										2
		CODE NO.				ITEM		UNIT	TOTAL QUANTITY	
	*	7800830	0 POLYU	JREA PAVEMENT	MARKING TYPE II - LE	TERS AND SYMBOLS		SQ FT	94	
	*	7800831	0 POLYU	JREA PAVEMENT	MARKING TYPE II - LII	IE 4"		FOOT	74886	
	*	7800834	0 POLYU	JREA PAVEMENT	MARKING TYPE II - LII	IE 8"		FOOT	593	
	*	7800835	0 POLYU	JREA PAVEMENT	MARKING TYPE II - LII	IE 12"		FOOT	951	
	*	7800837	0 POLYU	JREA PAVEMENT	MARKING TYPE II - LII	IE 24"		FOOT	161	
	*	7810010	0 RAISE	ED REFLECTIVE	PAVEMENT MARKER			EACH	400	
	*	7820000	5 GUARE	DRAIL REFLECT	ORS, TYPE A			EACH	20	
	*	7820002	0 CURB	REFLECTORS				EACH	17	
		7830020	0 RAISE	ED REFLECTIVE	PAVEMENT MARKER REMO	'AL		EACH	303	
		X032366	0 DROP	BOX NO.1				EACH	1	
		X032366	1 DROP	BOX NO.2				EACH	1	
	{			BOX NO.3			······	EAGH		
	5	·						m		
		X032366	3 DROP	BOX NO.4				EACH	1	
	*	X032689	9 SOLAF	R-POWERED FLAS	SHING BEACON ASSEMBLY	(COMPLETE)		EACH	1	
		*= SPEC		M						
FFK.Moon	USER NAME = ZWaters		DESIGNED -	JRD	REVISED -				0118484 4 834	
	PLOT SCALE = 2.0000 / in.	DRAWN ZJW REVISED STATE OF ILLINUIS ALE = 2.0000 / in CHECKED SLD REVISED						SUMINIARY OF U		
CIVII Engineering Design	PLOT DATE = 12/9/2020		DATE -	12/9/2020	REVISED -		SCALE	E. N.A. SHE	ET 11 OF 13	SHEET!



<u>1</u> REV. 2/10/21 REV. 1/19/21



plane 2 ft from the exterior sides of the culvert, 2 ft from the back face of the end sections, and not closer than 2 ft from the face of embankment

Expansion bolts shall be $\frac{3}{4}$ (\odot hooked bolts. Hooked bolts shall extend a minimum of 9" into new concrete and a minimum of 5" into existing concrete.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work. However, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi fy = 60,000 psi (Reinforcement)

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	TOTAL BILL OF MATERI	AL	
d sections.	ITEM	UNIT	TOTAL
	Porous Granular Embankment	Cu. Yd.	103
	Geotechnical Fabric for Ground Stabilization	Sq. Yd.	39
all details details	Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	19
	Reinforcement Bars, Epoxy Coated	Pound	9,230
	Expansion Bolts, ¾"	Each	40
	Concrete Box Culverts	Cu.Yd.	43.5
	Geocomposite Wall Drain	Sq. Yd.	22
	<i>Membrane Waterproofing System for Buried Structures</i>	Sq. Yd.	22
	Remove Concrete Box Culvert End Section	Each	2
	Rock Fill	Ton	20

GENERAL PLAN AND ELEVATION US RTE. 67 OVER DRAINAGE DITCH F.A.P. RTE. 310 SEC. 101W-1,RS-2; 28W-1,RS-5 WARREN/MERCER COUNTY STATION 1280+35.35

DELEVATION	F A P RTE	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
ISION 1		101W-1,RS-2;	101W-1,RS-2, 28W-1,RS-5			234	145
					CONTRA	CT NO.	38636
3 SHEETS			ILLINOIS	FED, A	D PROJECT		
					/1 REV.	2/10)/21