MED-18-12.99

CULVERT NO. 1 SFN: 5200695

Medina County

PID No. 92953

CULVERT ESTIMATED QUANTITIES Stage 3 Submittal

for Ohio Department of Transportation – District 3

Prepared by:



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June 14, 2018

ESTIMATED QUANTITIES



JOB MED-1	8-12.99 -	CULVERT	NO.1		
Sheet No.		of		.	
Calculated by	DJC	Date	68	18	-
Checked by		Date			

ITEM 202 - STRUCTURE REMOVED, AS PER PLAN

TOTAL = LUMP SOM (FOR REMOVAL OF EACH END)

ITEM 503 - UNCLASSIFIED EXCLUATION

TOTAL = LUMP SUM

ITEM 503 - COFFERDAMS & EXCAVATION BRACING, AS PER PLAN

TOTAL = LUMP SUM

I TEM 509 - E PORY COATED REINFORCING STEEL

(WINGS) (HEADWALLS) (FTG.) FROM REINFORCING STEEL LISTS = 1513 # + 191 # + 4133 # = 5837 LB

ITEM 511 - CLASS QC1 CONCRETE, RETAINING / WINGWALL NOT INCLUDING FOUTING

WINGWALLS = [(2×(975.00 + 970.50) - 964.00)×11.833'×1.50' + (0.25 x0.50 x (1.833) + 11.0 x 0.81"] x 4 = 662.80 CF FTG. KEY CAOD AREA - CARNER

HEADWAUS = 1.0 x 12.0 x 1.0 x 2 = 24.0 CF

". TOTAL FOR ITEM = (662. BO + 24.0) + 27 = 25.44 CY ED SAY 26 CY

ITEM 511 - CLASS QC1 CONCRETE, FOUTING

CAOD AREA OF FOUTING = 246.24 "; BOTTOM SHEAR KEY (CAOD AREA) = 45.80" SLAB ON TOP OF FTG. TOE @ ONTLET / INLET = 1.0'x1.0'x 3,4147' = 34,17 CF

: TOTAL FOR ITEM = (246.24 "x 2.0'+ 3417 CF + 45.8" x 2.0') x 2 + 27 = 48.8 CY => SAY 49 CY

	ESTIMATED QUANTITIES	Job MED-18-12.99 - 1 Sheet No. 2	CULVERT NO.1
	Glaus, Pyle, Schomer, Burns & DeHaven, Inc	Calculated by DJC	Date
ITEM	512 - SEALING OF CONCRETE SUR	LEARES (EPOXY-URENHANE)
HEA	OWALL \$ TOP FRANT = (2.0'+1.0'	+10') × 12.0' = 480'	*
	IGWALLS:		
	TOP & BACK = (1/4.52 + 11.832) × SHONT END = 1.0'X1.5' = 1.50 "	(1.5 + 0.50) = 25.31	
	TOP CORNER = 0, 81 " (CADO AREA)		
	CORNER BY INLET OUTLET = (11:0		
ø	FRONT = = = (11.0'-1.0') × 11.833	'= 59.2 "	
	THE FOR ITEM = [48.00" x2 + (;		+59.2°)×4]÷9
	= 54.37 SY =>	SAY 55 SY	
ITEM	512 - TYPE 2 WATER PROUFING	<u>.</u>	
PE	light fred and Annut -		
16.	LIMETER ON CULVERT = 10.0'+1	0.0' + (1.0' + 1/2.0' + 1.0') = 3	4.0'
	: AREA = (30.0'+ 1.0'+1.0')		
	1.0' 641 TO E	sciaring	
Win	GWALL CORNERS = 11.0' × 3.0'	×4 = 132.0 "	*
	: TOTAL FOR ITEM = (1088 +	132)+9 = 135.56 SY =D	SAY 136 SY
TOTAL	516 - 1" PREFORMED EXPANSION		
TEM	T TICCIONARCO DEMONISION	JUINI FILLEYL	
	TOTAL = 1.0' × 11.0' × 4 = 44 SF		
ITEM	518 - POROUS BACKFIL WITH GE	OTEXTILE FABRIC	

AREA = \$x 9.0'x 11.833' = 53.25"

" TOTAL FOR ITEM = 53.25" × 1.5 × 4 ÷ 27 = 11.833 cy =D SAY 12 cy

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GPD	GROUP
Glaus, Pyle, Sch	omer, Burns & DeHaven, Inc.

11

Job MED-1	8-12.99 - 0	ULVERT NO. 1	
Sheet No.	3	of	
Calculated by	OJZ	Date 6/8/18	
Checked by		Date	

ITEM 601 - ROCK CHANNEL PROTECTION, TYPE A, WITH FABRIC FILTER

CADD AREA @ OUTLET END = 691.99 " AVG. THILLNESS = 4.0'

: TOTAL = 691.99 " × 4.0" + 27 = 102.52 CY = SAY 103 CY

ITEM 611 - 10'X &' CONDUIT, TYPE A, 706.05, AS PER PLAN (INLET) (OVTLET) TUTHL = 12.0' + 18.0' = 30 FT.