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# **BRIDGE QUANTITY CALCS.**

(Tracings Submission)

For Trumbull County Engineer's Office 650 North River Road Warren, Ohio 44483

Bridge No. TRU-MYRON-0600 (CR505) Rehabilitation over Mud Run Hubbard, Trumbull County, Ohio

> PID No. 104656 TRU-MYRON ST (CR505)

> > October 11, 2019



Project MYRON STREET

Project No	170	469	Sheet N	No. 1	of 4
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SIN-44110 CLASS GEZ CONCRETE, ABUTMENT NOT INCLUDING FOUTNG-CY	
= ((5FT × 1.5FT × 36 FT) ++ (1.25 FT × 1.33 FT × 10.67 FT) × 2 AOUTS × 127 = 3.3161 = 5AV	447
SIN- 51510 CLASS CALL CONCRETE, SIDEWALK ~ CY	
= (.67 FT +.77 FT) × G FT × 82 FT × 1/27 = 13.12 G/ => SAY 14 CY	
6	
512-10001 SEALING OF CONCRETE SUPFACES, AS PER PLAN (PERMANENT GRAFFIT PROTECTION)~ 5%	
REVIS + WWS ≈ (380 SF × 2 ABUTS) + (GO SF ~ 4 WWS) + (11 FT + 2×15FT)+ 1.33 FTx 2ABUTS =	1109.06
(WW T025)	
PIER - (320 SF 2 SIDES) + (15.17 FT × 1.5FT) + (1.5FT × 11 × 12FT) = 719,30	SE
(TOPS) (ENDS)	
INCREASE TOTAL BY 1000 FOR EX. STRUCTURE UNCERTANTIES	
= (109.06 SF + 719.30 SP) x1/4x1.1= 223.47 SV => SAY 225 5	YF
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512-10050 SEALING OF CONCRETE SURFACE (NON-EPONY)NSY .	
= S.G7 FT x 82 FT + 1/9 = 31.66 51 => SAY 52 54	
SI2-10100 SEALING OF CONCRETE SURFACES (EFOXI-URETHAVE)~ SY	
SUBSTRUCTURE = 22-5 SY (SEE SIZ-10001)	
BARPIER = ((5.75 FT × 72 FT) + (8.75 FT × 10 FT))×1/q = 55,72 5Y	
SUPERSTRUCTURE = 3.83 FT × 49 FT × 19 = 20.85 5%	
TOTAL = 301 57 =7 544 302 34	
512-10601 CONCRETE REPAIR BY EPOXY INJECTION, AS, PER PLAN-FT	
= = 1326 FT (SEE PLAN REPAIR SINCETS)	
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