STRUCTURE ESTIMATED QUANTITIES

CAST-IN-PLACE/TANGENT DRILLED SHAFT WALL 4W1 SOUTHSIDE OF I-70 EB FROM FRA-70-1395C TO FRA-70-1405C

FRA-70/71-12.68/14.86 PID No. 105523

Franklin County, Ohio

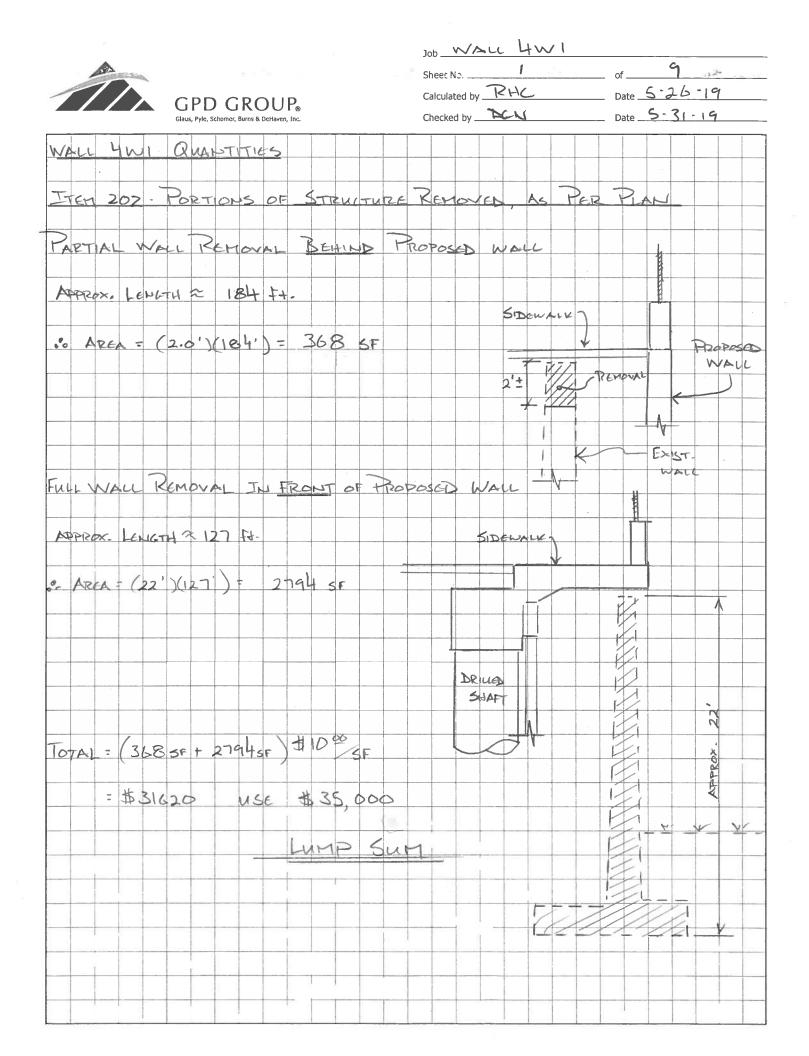
Prepared For:

The Ohio Department of Transportation District 6



1801 Watermark Drive, Suite 210 Columbus, Ohio 43215 (614) 210-0751 <u>www.gpdgroup.com</u>

May 31, 2019



$\begin{array}{c c c c c c c c c c c c c c c c c c c $		JOD WALL YWI	
Colorade by <u>Pric</u> Dete <u>5:26-19</u> Dete <u>5:31-15</u> Dete <u>5:3</u>			9 2
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$\begin{aligned} & \text{TTEPT 503} \cdot (OFFFERDATTS AND Excavations Braches Wood Lancence = (89se X 2) = 178 set Precess Provers = 468 set SHECTION REMOVES = (315 set)(5) = 1575 set IN FRONT OF EXIST WALL REMOVES = (315 set)(5) = 1575 set IN FRONT OF EXIST WALL REMOVES = (315 set)(5) = 1575 set IN FRONT OF EXIST WALL REMOVES = (315 set)(5) = 1575 set IN FRONT OF EXIST WALL REMOVES PROPOSE WALL: I SAREA = (184')(12') = 2208 set (15457 + 1275) = 1208 set(15457 + 1275) = 1208 set(1557 + 1275) = 1575 set + 1275 set (1575 + 1275) = 1575 set + 11750 set (1575 + 1275) = 1575 set + 11750 set SHECTING = (1575 set + 1275) = 1575 set + 11750 set (1575 + 1275) = 1575 set + 11750 set + 11750 set SHECTING = (1575 set + 1275) = 1575 set + 11750 set (1575 + 1275) = 1575 set + 11750 set + 11750 set SHECTING = (1575 set + 1275) = 1575 set + 11750 set + 11750 set SHECTING = (1575 set + 1275) = 1575 set + 11750 s$			
$ \begin{array}{c} wood \ L_{h}(\mathcal{L}_{u})(\mathcal{L}_{u}) = (\mathcal{B}_{1} \otimes \mathcal{E}_{u})(\mathcal{L}_{u}) = 178 \ \text{sf} \\ \hline \\ $			
$ \begin{array}{c} wood \ L_{h}(\mathcal{L}_{u})(\mathcal{L}_{u}) = (\mathcal{B}_{1} \otimes \mathcal{E}_{u})(\mathcal{L}_{u}) = 178 \ \text{sf} \\ \hline \\ $			
Precast Privers = 468 sr SHECTING REMUND SHAFTS IN REPAIRES = $(315 \text{ sr})(5)$ = 1575 sr IN FRONT OF EXIST WALL REMUND PROPOSES WALC: IN FRONT OF EXIST WALC:	ITEM 503 - COFFERDAMS AND EXCAVAT	TION BRACING	
Precast Privers = 468 sr SHECTING REMUND SHAFTS IN REPAIRES = $(315 \text{ sr})(5)$ = 1575 sr IN FRONT OF EXIST WALL REMUND PROPOSES WALC: IN FRONT OF EXIST WALC:			
SHEETING BEHIND CHAPTS IN BRACKETS = (3155F)(5) = 1575 SF IN FRONT OF EXIST WALL REMARK PROPOSES WALL: LENGTH \approx 184 FT. .: AREA = (184')(12') = 2208 SF .: AREA = (185')(12') = 2208 SF .: AREA = (185')(12') = 18' 1780 APRENT .: AREA = (185')(12') = 18' 1780 APRENT .: AREA = (185')(12') = 2208 SF .: AREA = (185')(12') = 18' 1780 APRENT .: AREA = (185')(12') = 18' 18' 18' 18' 18' 18' 18' 18' 18' 18'	WOOD LAGGING = (895E)(2) =	178 SF	
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J = Fitoust of Exist Wall Behavis Proposes Wall: $I = IBHF.$ I			
J = Fitoust of Exist Wall Behavis Proposes Wall: $I = IBHF.$ I	SHEETING BEHIND SHAPTS W REACKES =	(3155F (5) = 1575	SF
$\begin{aligned} 1_{CN}(TH &\approx 18^{h} FT. \\ \therefore APEGA &= (18^{h})(12^{h}) = 2208 SF \\ HP 14 &> 73 : [(16.6^{h})(2) + (32.4^{h})(2)] 73 P14 \\ &= 7154 1bs. \\ (1 \\ FT) = 7154 1bs.$			
$1_{ens}(r_{H} \approx 18^{h} Fr. $ $\frac{1}{2} = 2208 \text{ sf} \qquad \frac{1}{2} = 2208 \text{ sf} \qquad \frac{1}{2} = 1 \text{ sf} $	IN FRONT OF EXIST WALL REMARK PROPOSE	K Ware:	
$\therefore ARea = (184')(12') = 2208 SF$ $HP HA73: [(16.6')(2) + (32.4')(2)]73 PH$ $= 71SH 1bs.$ $I = 71SH 1bs.$ $I =$			
$\begin{array}{c} \therefore & ARea = (184')(12') = 2208 \text{ sf} \\ & & & & & & & & & & & & & & & & & & $	1 Lus (th a 184 FT		
$\begin{array}{c} HP H = 73: \left[\left(16.6' \right) \left(2 \right) + \left(32.4' \right) \left(2 \right) \right] 73 pH \\ = 7154 Hbs. \\ (1) \\ = 7155 pH \\ = 71$			
$\begin{array}{c} HP H = 73: \left[\left(16.6' \right) \left(2 \right) + \left(32.4' \right) \left(2 \right) \right] 73 pH \\ = 7154 Hbs. \\ (1) \\ = 7155 pH \\ = 71$	· ADCA - (1241)(12') - 2208 CF		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	AICEA = (IDT JUP) - ZEO SF		
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wporb Larging = (178 sr)(\$10 [±] (sr) = \$1780 AFFRONT TRECAST PANELS = (468 sr)(\$50 [±] (sr) = \$123400 12'- SHEETING = (1575sr + 2208 sr)(\$12 [±]) = \$145396 12'- HPUN 73 = (715H 165)(\$0.52/16) = \$13577 SHEETING = (715H 165)(\$0.52/16) = \$15000 SHEETING = (715H 165)(\$1000 = \$15000 SHEETING = (715H 165)(\$1000 = \$1000 SHEETING =	= 1154 165,		
wporb Larging = (178 sr)(\$10 [±] (sr) = \$1780 AFFRONT TRECAST PANELS = (468 sr)(\$50 [±] (sr) = \$123400 12'- SHEETING = (1575sr + 2208 sr)(\$12 [±]) = \$145396 12'- HPUN 73 = (715H 165)(\$0.52/16) = \$13577 SHEETING = (715H 165)(\$0.52/16) = \$15000 SHEETING = (715H 165)(\$1000 = \$15000 SHEETING = (715H 165)(\$1000 = \$1000 SHEETING =			
$\frac{7}{12} = \frac{12}{12} = \frac{12}$			
1126(AST TAPEES = (H6D SF (B) 30/SP) = 0124005 SHEETING = (15758F + 2208 sF (B 2 %) = 1945396 HP14173 = (71154+165-)60.50/16) = 193577 SHEETING = (71154+165-)60.50/16) = 100000000000000000000000000000000000	wood Lacque = (178 SF)(\$10= SF) =	\$ 1780 APFROX	
SHEETING = (15756F + 2208 sF)(\$12 = \$145346 HP14x73 = (715H 165)($52/16$) = \$13577 sheetine \$174153 NSE \$75,000 Luttp Sum ITEN SOG - EPOXY COATED REIMFORCING STEEL	TRECAST PANELS (468 ST XA 5095P)	02400	
Ттеп 509 - ЕРОХУ СОЛТИЛ REINFORCING STEEL	SHEETING = (15755F + 2208 SF)(\$ 12 °)		
ITEN SOG - EPOXY COATED REINFORCING STEEL	HP14273 = (7154165)00.52/10 =	13577 SHEETING	
ITEN SOG - EPOXY COATEN REINFORCING STEEL			
ITEN SOG - EPOXY COATED REINFORCING STEEL		NSE \$ 75,000	
ITEN SOG - EPOXY COATED REINFORCING STEEL			
		LUMP SUM	
	ITEN SOG - EPOXY COATEN REINFORCIN	6 STEEL	
	620 699 65.		



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		Sheet No4	of9
GPD GR		Calculated by RHC	Date 5-27-19
Glaus, Pyle, Schomer, Burne	S & DeHaven, Inc.	Checked by DG-N	Date 5-31-19
ITEN 511 - CLASS QCI	CONCRETE WITH QC	AA FOOTING	
V Kur III A OC	2110012-4500		
X-SECTOPAL AREA OC	3)(15)+ 735+		
	5 (6) - 10 SF		
Volume (18SF X125	N+ /1.C - VERKIN	1	
VOLUME LIDSF XIAS	J+4558 (D1.0)	127CF 180 CT	
ITEM 511- CLASS QCD	CONTRACTO	Delpa S. Del unu	Pro Diani
ANG. L		11.33	17:50
Valume:	E136-714	1	L'AND AND AND AND AND AND AND AND AND AND
() (1.6')(11.33')(126.9')	= 2200/5	0	
$(2) \left[\frac{1}{2} (2.13)^2 + (1.0')(2.13') + (1.5') \right]$	V231 1249 511/8	the second s	3 <u>-</u>
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	4809 CF	2.13 - 40-3	
		VARIES 0.7	
ToTel = []	1809cF) 27cF = 179 c	TO 5.9'	
		(AV6. = 3.3')	
			Υ΄
TTEM SIL- CLASS QCI C	WRETE MILL SUPPOR	TRANSTAND DR.	ED SHAFT CAP
5 BRACKET		DEPONET ANY BRICH	
VOLUME: LOCATION	PS	4' WIDE	
	47 cF	BRACKE7	Antuces
	28cF		3
h	980 CF		- VVC-
-	SHACE	> O	
	SOSOF (BTWN SHAPS)		3 3
	15BCF	N TAVE	X
	275 CF OVER SHAFTS	TI TINI AVG.	Ý ŷ ż
	042 CF		1 Adda
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TOTAL = (6	042 CF)276F =	224 64	
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	GPD GROUP.	~	Sheet Nc		`of `	
	GPD GROUP				Date 5-27-19	
	Glaus, Pyle, Schomer, Burns & DeHaven, Inc.		Checked by	Dan	Date 5-31-19	
TTEM 512 -	SEALING CONCRE	TE SURF	YES		LIMITS	
(NON: FR						
INDER EFE						
	(122+2.67')(307.1')	SU DEL		0 1-5		Y
KNEE WALL:			St	1 1 1	NCE /	4
	TRIA	GE OVER P. WALL		N		
SIDEWALK:	R.92')(127.1') + (31.1')(1	11)(2)=	1325 SF			
TOTAL	= (12565F + 13255F) 9	ST =	287 54			
-						
17EM 312 -	SEALING OF CONCRE	TE JURF	rigs (Eft	DAT - WRETHA		
						_
KNEE WALL : (2.67')(307.1') = 8	320 SF			2.61 KNCC	
	F HEIGHT				WALC	1
C.J.P. WALL :	(22.5')(180.6 + 5.	9') = 41	96 SF			
					млт	
TADLEDT SHAFT	POPTUON:					
	FACE OF BRACKETS)					
	ANG HEIGHT					
						-
		B SF				
	1.2' (7.7)+ 26.45F](2)(
BRACKETS: [[1.2 (7.7)+ 26.45F (2)	(5) = 58	7 SF			
(1	0)(7.7')(5)		4 SF			
INDERSIDE D	SIDEWALK SLAB	1700 SF				
	TOTAL (820 SF + 41	alaria	SQLE			
	IDIAL (axUSFT41	TO ST T 21.	1COL	54 ISF = 1069 S		_
	+ 587sF +	154 SF +	1100SF	ISF - 1069 5		
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	JOB WALL 4W1
	Sheet No of
	Calculated by RHC Date 5-27-19
GPD GROUP® Glaus, Pyle, Schomer, Burns & DeHaven, Inc.	Checked by DCN Date S-31-19
Tren 518 - Parous BACKFILL WI-	THE GROTEXTUE FABRIC
BEHIND C.J.P. PORTION = ANG. HEIGHT	
(23')(2'THICK)(57,6")+5.(")	7 2650cF
TANGENT SHAFT SHAFT PORTION	
DRILLED SHAFT CAP = (50')(2)(19	1.2') = 1192 cF
PANGL FOOTING = (2.0' X2.5')(1	117.8) = 589 cF
L' LP	
	104431 CF
C4 ·	
TOTAL = (14431 CF)27CF =	164 CY
ITEM 518 - 6" PERFORATED CORRUC	
LTEM JIB - G I ERFORATED LOPKUL	2ATHO MURSTIC THE
57.6 + 119.2 + 117.8' =	295 FT.
ITEN 518 - 6" NON-PERF CORRUGAT	GD PLASTIC TIPE
25 FT.	



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