



ITEM 202 - PAVEMENT REMOVED															
REF #	STATION / DESCRIPTION	#		L/AREA		W		T		C.F.				SQ YD	
1-SH	STA 376+25 TO 377+50, LT	1	x	125		x	4.214		x			÷	9	=	58.5
2-SH	STA. 376+25 TO 377+50, RT	1	x	125		x	2.327		x			÷	9	=	32.3
3-SH	STA. 379+00 TO 380+50, LT	1	x	150		x	3.286		x			÷	9	=	54.8
4-SH	STA. 379+00 TO 380+50, RT	1	x	150		x	3.132		x			÷	9	=	52.2
1-FD	STA. 377+50 TO 377+74.19	1	x	624.19		x			x			÷	9	=	69.4
2-FD	STA. 378+69.81 TO 379+00	1	x	817.29		x			x			÷	9	=	90.8
TOTAL CARRIED TO GENERAL SUMMARY =														358	
ITEM 202 - WEARING COURSE REMOVED															
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.				SQ YD	
	EXISTING REAR APPROACH SLAB	1	x	20		x	32		x			÷	9	=	71.1
	EXISTING FWD APPROACH SLAB	1	x	20		x	32		x			÷	9	=	71.1
2-P	EXISTING BRIDGE	1	x	53.5		x	32		x			÷	9	=	190.2
			x			x			x			÷	9	=	
TOTAL CARRIED TO GENERAL SUMMARY =														333	
ITEM 202 - GUARDRAIL REMOVED															
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.				FT	
1-GR	STA. 376+85 TO 377+85, LT	1	x	100		x			x			÷	1	=	100.00
2-GR	STA. 376+94 TO 377+94, RT	1	x	100		x			x			÷	1	=	100.00
3-GR	STA. 378+50 TO 379+50, LT	1	x	100		x			x			÷	1	=	100.00
4-GR	STA. 378+59 TO 379+59, RT	1	x	100		x			x			÷	1	=	100.00
TOTAL CARRIED TO GENERAL SUMMARY =														400	
ITEM 202 - FENCE REMOVED															
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.				FT	
	STA. 376+62 TO 377+42, RT	1	x	80		x			x			÷	1	=	80.00
TOTAL CARRIED TO GENERAL SUMMARY =														80	
ITEM 203 - EXCAVATION															
SEE EARTHWORK CALCULATIONS SHEET															
ITEM 203 - EMBANKMENT															
SEE EARTHWORK CALCULATIONS SHEET															



ITEM 204 - SUBGRADE COMPACTION														
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.				SQ YD
1-SH	STA 376+25 TO 377+50, LT	1	x	125		6	8.5	x			÷	9	=	100.7
2-SH	STA. 376+25 TO 377+50, RT	1	x	125		4	8.5	x			÷	9	=	86.8
1-FD	STA. 377+50 TO 377+74	1	x	24.136		35		x			÷	9	=	93.9
3-SH	STA. 379+00 TO 380+25, LT	1	x	125		8.5	7	x			÷	9	=	107.6
4-SH	STA. 379+00 TO 380+25, RT	1	x	125		8.5	5	x			÷	9	=	93.8
2-FD	STA. 378+70 TO 379+00	1	x	29.843		35		x			÷	9	=	116.1
	APPROACH + SLEEPER SLABS	2	x	17.6		35		x			÷	9	=	136.9
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>														<b>736</b>
ITEM 209 - RESHAPING UNDER GUARDRAIL														
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.				STA.
1-G	STA. 376+61 TO 377+86	1	x	125				x			÷	100	=	1.25
2-G	STA. 376+70 TO 377+95	1	x	125				x			÷	100	=	1.25
3-G	STA. 378+50 TO 379+75	1	x	125				x			÷	100	=	1.25
4-G	STA. 378+58 TO 379+83	1	x	125				x			÷	100	=	1.25
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>														<b>5</b>
ITEM 606 - GUARDRAIL, TYPE MGS														
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.				FT
1-G	STA. 376+61 TO 377+86	1	x	75				x			÷	1	=	75.0
2-G	STA. 376+70 TO 377+95	1	x	75				x			÷	1	=	75.0
3-G	STA. 378+50 TO 379+75	1	x	75				x			÷	1	=	75.0
4-G	STA. 378+58 TO 379+83	1	x	75				x			÷	1	=	75.0
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>														<b>300</b>
ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016)														
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.				EACH
1-G	STA. 376+61 TO 377+86	1	x					x			÷	1	=	1
2-G	STA. 376+70 TO 377+95	1	x					x			÷	1	=	1
3-G	STA. 378+50 TO 379+75	1	x					x			÷	1	=	1
4-G	STA. 378+58 TO 379+83	1	x					x			÷	1	=	1
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>														<b>4</b>
ITEM 606 - MGS BRIDGE TERMINAL ASSEMBLY, TYPE TST-2														
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.				EACH
1-G	STA. 376+61 TO 377+86	1	x					x			÷	1	=	1
2-G	STA. 376+70 TO 377+95	1	x					x			÷	1	=	1
3-G	STA. 378+50 TO 379+75	1	x					x			÷	1	=	1
4-G	STA. 378+58 TO 379+83	1	x					x			÷	1	=	1
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>														<b>4</b>



ITEM 601 - TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT													
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.			SQ YD
	REAR ABUTMENT BACKFILL OUTLETS	2	x	4		x	4		x			÷	9 = 3.6
	FWD ABUTMENT BACKFILL OUTLETS	2	x	4		x	4		x			÷	9 = 4
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>													<b>7</b>
ITEM 601 - ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC													
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.			CU YD
	REAR ABUTMENT	1.12	x	38		x	5		x	1.5		÷	27 = 11.8
	FWD ABUTMENT	1.12	x	38		x	5		x	1.5		÷	27 = 12
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>													<b>24</b>
ITEM 611 - PRECAST REINFORCED CONCRETE OUTLET													
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.			EACH
	REAR ABUTMENT BACKFILL OUTLETS	2	x			x			x			÷	1 = 2
	FWD ABUTMENT BACKFILL OUTLETS	2	x			x			x			÷	1 = 2
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>													<b>4</b>
ITEM 659 - SEEDING AND MULCHING, CLASS 2													
REF #	STATION / DESCRIPTION	#		AREA (SF)		W		T		C.F.			SQ YD
	CONSTRUCTION LIMITS	1	x	13437		x			x			÷	9 = 1493.0
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>													<b>1,493</b>
ITEM 659 - COMMERCIAL FERTILIZER													
REF #	STATION / DESCRIPTION	RATE		AREA (SF)		W		T		C.F.			TON
	10-20-10 @ 30 LBS/1000 SF	30	x	13437		x			x			÷	2E+06 = 0.20
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>													<b>0.20</b>
ITEM 659 - LIME													
REF #	STATION / DESCRIPTION	#		AREA (SF)		W		T		C.F.			ACRE
	SEEDING & MULCHING (MAINLINE)	1	x	13437		x			x			÷	43560 = 0.31
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>													<b>0.31</b>
ITEM 659 - WATER													
REF #	STATION / DESCRIPTION	#		AREA (SF)		W		T		C.F.			MGAL
	SEEDING & MULCHING (MAINLINE)	300	x	13437		x			x			÷	1E+06 = 4.0
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>													<b>4.00</b>



**ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, VARIABLE DEPTH**

REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		SQ YD		
1-P	STA. 376+00 TO 377+25	1	x	25		x	24.5		x		÷	9	=	68.1
	STA. 376+25 TO 377+50	1	x	125		x	18		x		÷	9	=	250.0
3-P	STA. 379+00 TO 380+25	1	x	125		x	18		x		÷	9	=	250.0
	STA. 380+25 TO 380+50	1	x	25		x	25.25		x		÷	9	=	70.1
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>												<b>638</b>		

**ITEM 252 - FULL DEPTH PAVEMENT SAWING**

REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		FT		
1-SH	STA 376+25 TO 377+50, LT	1	x	129.2		x			x		÷	1	=	129.2
2-SH	STA. 376+25 TO 377+50, RT	1	x	127.3		x			x		÷	1	=	127.3
3-SH	STA. 379+00 TO 380+50, LT	1	x	128.6		x			x		÷	1	=	128.6
4-SH	STA. 379+00 TO 380+50, RT	1	x	128.1		x			x		÷	1	=	128.1
1-FD	STA. 377+50	1	x	24.6		x			x		÷	1	=	24.6
2-FD	STA. 379+00	1	x	24.6		x			x		÷	1	=	24.6
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>												<b>562</b>		

**ITEM 301 - ASPHALT CONCRETE BASE, PG64-22, (449)**

REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		CU YD			
1-SH	STA 376+25 TO 377+50, LT	1	x	125		x	4.83	7.33	x	0.5		÷	27	=	14.1
2-SH	STA. 376+25 TO 377+50, RT	1	x	125		x	2.83	7.33	x	0.5		÷	27	=	11.8
3-SH	STA. 379+00 TO 380+50, LT	1	x	125		x	7.33	5.83	x	0.5		÷	27	=	15.2
4-SH	STA. 379+00 TO 380+50, RT	1	x	125		x	7.33	3.83	x	0.5		÷	27	=	12.9
1-FD	STA. 377+50 TO 377+74	1	x	26.383		x	32.67		x	0.5		÷	27	=	16.0
2-FD	STA. 378+70 TO 379+00	1	x	32.090		x	32.67		x	0.5		÷	27	=	19.4
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>												<b>89</b>			

**ITEM 304 - AGGREGATE BASE**

REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		CU YD			
1-SH	STA 376+25 TO 377+50, LT	1	x	125		x	5.33	7.83	x	0.5		÷	27	=	15.2
2-SH	STA. 376+25 TO 377+50, RT	1	x	125		x	4	7.83	x	0.5		÷	27	=	13.7
3-SH	STA. 379+00 TO 380+50, LT	1	x	125		x	7.83	6.33	x	0.5		÷	27	=	16.4
4-SH	STA. 379+00 TO 380+50, RT	1	x	125		x	7.83	4.33	x	0.5		÷	27	=	14.1
1-FD	STA. 377+50 TO 377+74	1	x	24.136		x	33.67		x	0.5		÷	27	=	15.0
2-FD	STA. 378+70 TO 379+00	1	x	29.843		x	33.67		x	0.5		÷	27	=	18.6
	SLEEPER SLABS	2	x	8		x	33.67		x	0.5		÷	27	=	10.0
	APPROACH SLABS	2	x	7.75		x	33.67		x	0.5		÷	27	=	9.7
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>												<b>113</b>			



**ITEM 407 - NON-TRACKING TACK COAT**

REF #	STATION / DESCRIPTION	RATE		L		W		APPLICATIONS		C.F.		GAL.	
1-SH	STA 376+25 TO 377+50, LT	0.06	x	125	x	4.83	7.33	x	2	÷	9	=	10.1
2-SH	STA. 376+25 TO 377+50, RT		x	125	x	2.83	7.33	x	2	÷	9	=	8.5
3-SH	STA. 379+00 TO 380+50, LT		x	125	x	7.33	5.83	x	2	÷	9	=	11.0
4-SH	STA. 379+00 TO 380+50, RT		x	125	x	7.33	3.83	x	2	÷	9	=	9.3
1-P	STA. 376+00 TO 376+25, MILLED	0.08	x	25	x	24.5		x	1	÷	9	=	5.4
	STA. 376+25 TO 377+50, MILLED	0.08	x	125	x	18		x	1	÷	9	=	20.0
1-P	STA. 376+00 TO 376+25, INT	0.06	x	25	x	24.5		x	1	÷	9	=	4.1
	STA. 376+25 TO 377+50, INT	0.06	x	125	x	18		x	1	÷	9	=	15.0
3-P	STA. 379+00 TO 380+25, MILLED	0.08	x	125	x	18		x	1	÷	9	=	20.0
	STA. 380+25 TO 380+50, MILLED	0.08	x	25	x	25.25		x	1	÷	9	=	5.6
3-P	STA. 379+00 TO 380+25, INT	0.06	x	125	x	18		x	1	÷	9	=	15.0
	STA. 380+25 TO 380+50, INT	0.06	x	25	x	25.25		x	1	÷	9	=	4.2
1-FD	STA. 377+50 TO 377+74	0.06	x	26.383	x	32.67		x	2	÷	9	=	11.5
2-FD	STA. 378+70 TO 379+00	0.06	x	32.090	x	32.67		x	2	÷	9	=	14.0
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>												<b>154</b>	

**ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG70-22M**

REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		CU YD	
1-SH	STA 376+25 TO 377+50, LT	1	x	125	x	4.5	7	x	0.125	÷	27	=	3.3
2-SH	STA. 376+25 TO 377+50, RT	1	x	125	x	2.5	7	x	0.125	÷	27	=	2.7
3-SH	STA. 379+00 TO 380+50, LT	1	x	125	x	7	5.5	x	0.125	÷	27	=	3.6
4-SH	STA. 379+00 TO 380+50, RT	1	x	125	x	7	3.5	x	0.125	÷	27	=	3.0
1-FD	STA. 377+50 TO 377+74	1	x	26.383	x	32		x	0.125	÷	27	=	3.9
2-FD	STA. 378+70 TO 379+00	1	x	32.090	x	32		x	0.125	÷	27	=	4.8
1-P	STA. 376+00 TO 376+25	1	x	25	x	24.5		x	0.125	÷	27	=	2.8
	STA. 376+25 TO 377+50	1	x	125	x	18		x	0.125	÷	27	=	10.4
3-P	STA. 379+00 TO STA. 380+25	1	x	125	x	18		x	0.125	÷	27	=	10.4
	STA. 380+25 TO STA. 380+50	1	x	25	x	25.5		x	0.125	÷	27	=	3.0
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>												<b>48</b>	



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

Department of Transportation

CALCULATION SHEET

DATE: 13-Apr-26

PID: 117969

CRS:

DESCRIPTION:

INITIALS: TDF

CHECKED BY: ELJ

PER-345-06.48

PAVEMENT QUANTITIES

ITEM 441 - ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)

REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		CU YD	
1-SH	STA 376+25 TO 377+50, LT	1	x	125	x	4.5	7	x	0.1458	÷	27	=	3.9
2-SH	STA. 376+25 TO 377+50, RT	1	x	125	x	2.5	7	x	0.1458	÷	27	=	3.2
3-SH	STA. 379+00 TO 380+50, LT	1	x	125	x	7	5.5	x	0.1458	÷	27	=	4.2
4-SH	STA. 379+00 TO 380+50, RT	1	x	125	x	7	3.5	x	0.1458	÷	27	=	3.5
1-FD	STA. 377+50 TO 377+74	1	x	26.383	x	32		x	0.1458	÷	27	=	4.6
2-FD	STA. 378+70 TO 379+00	1	x	32.090	x	32		x	0.1458	÷	27	=	5.5
1-P	STA. 376+00 TO 376+25	1	x	25	x	24.5		x	0.1458	÷	27	=	3.3
	STA. 376+25 TO 377+50	1	x	125	x	18		x	0.1458	÷	27	=	12.2
3-P	STA. 379+00 TO STA. 380+25	1	x	125	x	18		x	0.1458	÷	27	=	12.2
	STA. 380+25 TO STA. 380+50	1	x	25	x	25.5		x	0.1458	÷	27	=	3.4
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>												<b>56</b>	



ITEM 621 - RAISED PAVEMENT MARKER REMOVED													
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.			EACH
	STA. 376+00 TO STA. 380+50	8	x			x			x			÷	1 = 8
TOTAL CARRIED TO GENERAL SUMMARY =													8
ITEM 626 - BARRIER REFLECTOR, TYPE 2, BIDIRECTIONAL													
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.			EACH
1-G, 1-BR, 3-G	100 FT SPACING	5	x			x			x			÷	1 = 5
2-G, 2-BR, 4-G	100 FT SPACING	5	x			x			x			÷	1 = 5
TOTAL CARRIED TO GENERAL SUMMARY =													10
ITEM 630 - GROUND MOUNTED SUPPORT, NO. 3 POST, AS PER PLAN													
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.			FEET
1-S->4-S	OBJECT MARKERS	4	x	12		x			x			÷	1 = 48.0
5-S	CURVE WARNING	1	x	12		x			x			÷	1 = 12.0
6-S	SPEED LIMIT 55 SIGN	1	x	12		x			x			÷	1 = 12.0
7-S	SPEED LIMIT 45 SIGN, SALTILLO	2	x	12		x			x			÷	1 = 24.0
TOTAL CARRIED TO GENERAL SUMMARY =													96.0
ITEM 630 - SIGN, FLAT SHEET													
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.			SQ FT
1-S, 3-S	OM-3R-12	2	x	3		x	1		x			÷	1 = 6.0
2-S, 4-S	OM-3L-12	2	x	3		x	1		x			÷	1 = 6.0
1-S->4-S	I-H25a	2	x	1		x	1		x			÷	1 = 2.0
TOTAL CARRIED TO GENERAL SUMMARY =													14.0
ITEM 630 - REMOVAL OF GROUND MOUNTED SIGN AND REERECTION, AS PER PLAN													
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.			EACH
5-S	CURVE WARNING	1	x			x			x			÷	1 = 1.0
6-S	SPEED LIMIT 55 SIGN	1	x			x			x			÷	1 = 1.0
7-S	SPEED LIMIT 45 SIGN, SALTILLO	1	x			x			x			÷	1 = 1.0
TOTAL CARRIED TO GENERAL SUMMARY =													3.0
ITEM 630 - REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL, AS PER PLAN													
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.			EACH
5-S	CURVE WARNING	1	x			x			x			÷	1 = 1.0
6-S	SPEED LIMIT 55 SIGN	1	x			x			x			÷	1 = 1.0
7-S	SPEED LIMIT 45 SIGN, SALTILLO	2	x			x			x			÷	1 = 2.0
TOTAL CARRIED TO GENERAL SUMMARY =													4.0



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

DATE: 13-Apr-26

INITIALS: TDF

PID: 117969

CHECKED BY: ELJ

CRS: PER-345-06.48

Department of Transportation

CALCULATION SHEET

DESCRIPTION: TRAFFIC CONTROL QUANTITIES

ITEM 646 - EDGE LINE, 6"														
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		MILE		
1-RM	STA. 376+00 TO 380+50	2	x	450		x			x		÷	5280	=	0.17
TOTAL CARRIED TO GENERAL SUMMARY =													0.17	
ITEM 646 - CENTER LINE														
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		MILE		
2-RM	STA. 376+00 TO 380+50	1	x	450		x			x		÷	5280	=	0.09
TOTAL CARRIED TO GENERAL SUMMARY =													0.09	



<b>ITEM 202 - PORTIONS OF STRUCTURE REMOVED (SUPERSTRUCTURE) - FOR REFERENCE ONLY</b>														
DESCRIPTION	#		L		W		T		C.F.				FEET	
<b>EXISTING BOX BEAMS</b>														
B21-48 BOX BEAMS (PSBD-1-81)	8	x	53		x		x		÷	1	=		424.0	
<b>LUMP SUM CARRIED TO GENERAL SUMMARY</b>													LS	
<b>ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (SUBSTRUCTURE)</b>														
DESCRIPTION	#		L		W		T		C.F.				CU YD	
REAR ABUTMENT BEAM SEAT	1	x	16.75		x	3		x	2.9479	3.19	÷	27	=	5.7
	1	x	16.75		x	3		x	2.9271	3.19	÷	27	=	5.7
REAR ABUTMENT WINGWALL 1	1	x	6.86	6.45	x	1.5		x	2.9479		÷	27	=	1.1
REAR ABUTMENT WINGWALL 2	1	x	7.30	6.8941	x	1.5		x	2.9271		÷	27	=	1.2
REAR ABUTMENT BACKWALL	1	x	18.90		x	1.5		x	2.4362	2.1562	÷	27	=	2.4
	1	x	4.50		x	1.5		x	2.1562	0.75	÷	27	=	0.4
	1	x	19.35		x	1.5		x	2.4362	2.1354	÷	27	=	2.5
	1	x	4.50		x	1.5		x	2.1354	0.75	÷	27	=	0.4
APPROACH SLAB SEAT	-1	x	33.125		x	0.5		x	1.4167		÷	27	=	-0.9
FORWARD ABUTMENT BEAM SEAT	1	x	16.75		x	3		x	3.0313	3.2671	÷	27	=	5.9
	1	x	16.75		x	3		x	3.0208	3.2671	÷	27	=	5.9
FORWARD ABUTMENT WINGWALL 1	1	x	7.30	6.8941	x	1.5		x	3.0313		÷	27	=	1.2
FORWARD ABUTMENT WINGWALL 2	1	x	6.86	6.45	x	1.5		x	3.0208		÷	27	=	1.1
FORWARD ABUTMENT BACKWALL	1	x	19.35		x			x	2.4362	2.1354	÷	27	=	0.7
	1	x	4.500		x	1.5		x	2.1354	0.75	÷	27	=	0.4
	1	x	18.90		x			x	2.4362	2.1562	÷	27	=	0.7
	1	x	4.500		x	1.5		x	2.4362	0.75	÷	27	=	0.4
APPROACH SLAB SEAT	-1	x			x			x			÷	27	=	-1.0
<b>TOTAL CARRIED TO GENERAL SUMMARY</b>													34	
<b>ITEM 202 - APPROACH SLAB REMOVED</b>														
DESCRIPTION	#		L		W		T		C.F.				SQ YD	
REAR APPROACH SLAB	1	x	20		x	32		x			÷	9	=	71.1
FORWARD APPROACH SLAB	1	x	20		x	32		x			÷	9	=	71.1
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>													142	
<b>ITEM 202 - BRIDGE RAILING REMOVED</b>														
DESCRIPTION	#		L		W		T		C.F.				FT	
EXISTING BRIDGE RAIL	2	x	62.5		x			x			÷	1	=	125.0
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>													125	



**ITEM 503 - UNCLASSIFIED EXCAVATION, AS PER PLAN (FOR REFERENCE ONLY)**

DESCRIPTION	#		L		W		T		C.F.		CU YD		
UNDER APPROACH SLAB	2	x	7.5		x	33.5		x	1.5	÷	27	=	27.9
	2	x	7.5	2.75	x	33.5		x	4.75	÷	27	=	60.4
<b>LUMP SUM CARRIED TO GENERAL SUMMARY</b>												<b>LS</b>	

**ITEM 509 - GALVANIZED STEEL REINFORCEMENT**

DESCRIPTION	#		L		W		T		C.F.		EACH		
SEE REINFORCEMENT SCHEDULE		x			x			x		÷		=	
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>											<b>12,108</b>		

**ITEM 510 - DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT**

DESCRIPTION	#		L		W		T		C.F.		EACH		
REAR ABUTMENT	76	x			x			x		÷	1	=	76.0
FORWARD ABUTMENT	76	x			x			x		÷	1	=	76.0
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>											<b>152</b>		

**ITEM 511 - CLASS QC2 CONCRETE, SUPERSTRUCTURE**

DESCRIPTION	#		L		W		T		C.F.		CU YD		
DECK	1	x	53.25		x	32.00		x	0.500	÷	27	=	31.6
BEAM NOTCH	2	x	33.25		x	1.3		x	0.583	÷	27	=	1.8
DIAPHRAGM	2	x	33.25		x	1.000		x	2.500	÷	27	=	6.2
DIAPHRAGM	2	x	33.25		x	0.50		x	1.500	÷	27	=	1.8
DIAPHRAM ENDS	4	x	1.50		x	2.50		x	3.000	÷	27	=	1.7
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>											<b>43</b>		

**ITEM 511 - CLASS QC1 CONCRETE, ABUTMENT NOT INCLUDING FOOTING**

DESCRIPTION	#		L		W		T		C.F.		CU YD			
WINGWALL EXTENSIONS	4	x	4.000		x	3.0		x	3.5	÷	27	=	6.2	
REAR ABUT BEAM SEAT	2	x	27.625		x	3.0		x	2.75	2.98	÷	27	=	17.6
FWD ABUT BEAM SEAT	2	x	27.625		x	3.0		x	2.83	3.06	÷	27	=	18.1
WINGWALL TOPS	2	x	9.333	8.5	x	3.0		x	0.5		÷	27	=	1.0
	1	x	4.000		x	3.0		x	2.0		÷	27	=	1.0
	2	x	5.333	4.5	x	3.0		x	2.5		÷	27	=	3.0
	2	x	9.333	10.1667	x	3.0		x	0.5		÷	27	=	1.0
	1	x	4.000		x	3.0		x	2.0		÷	27	=	1.0
	2	x	5.333	6.1667	x	3.0		x	2.5		÷	27	=	3.2
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>											<b>52</b>			



ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)													
DESCRIPTION	#		L		W		T		C.F.				SQ YD
ABUTMENT FACE	4	x	27.625	x	2.75	3	x		9	=			35.3
WINGWALL FACE	2	x	4.5	x	2.5		x		9	=			2.5
WINGWALL FACE	1	x	4	x	2.5	0.5	x		9	=			0.7
WINGWALL FACE	2	x	6.1667	x	2.5		x		9	=			3.4
WINGWALL FACE	1	x	4	x	2.5	0.5	x		9	=			0.7
WINGWALL TOP	2	x	12.75	x	3		x		9	=			8.5
WINGWALL TOP	2	x	13.5	x	3		x		9	=			9.0
WINGWALL BACK	2	x	10	x	0.5		x		9	=			1.1
WINGWALL BACK	2	x	10.75	x	0.5		x		9	=			1.2
DIAPHRAGM FACE	4	x	1.5	x	2.5		x		9	=			1.7
DECK EDGES	2	x	50.5	x	2.75		x		9	=			30.9
TOTAL CARRIED TO GENERAL SUMMARY =													95
ITEM 515 - PRESTRESSED CONCRETE COMPOSITE BOX BEAM BRIDGE MEMBERS, LEVEL 1, CB21-48, AS PER PLAN (LENGTH = 53'-3")													
DESCRIPTION	#		L		W		T		C.F.				EACH
CB21-48 STANDARD BOX BEAMS	8	x		x			x		1	=			8.0
TOTAL CARRIED TO GENERAL SUMMARY =													8
ITEM 516 - 1" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN													
DESCRIPTION	#		L		W		T		C.F.				SQ FT
UNDER DIAPHRAGMS	2	x	36.25	x	1.5		x		1	=			108.8
	4	x	1.5	x	1.5		x		1	=			9.0
TOTAL CARRIED TO GENERAL SUMMARY =													118
ITEM 516 - 2" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN													
DESCRIPTION	#		L		W		T		C.F.				SQ FT
BETWEEN DIA. AND WINGWALLS	4	x	3.623	x	2.5		x		1	=			36.2
TOTAL CARRIED TO GENERAL SUMMARY =													36
ITEM 516 - SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL													
DESCRIPTION	#		L		W		T		C.F.				FT
HORIZONTAL JOINT	2	x	36.4	x			x		1	=			72.8
VERTICAL JOINT	4	x	1	x			x		1	=			4.0
TOTAL CARRIED TO GENERAL SUMMARY =													77
ITEM 516 - STRUCTURAL JOINT OR JOINT SEALER, MISC.: TEAR WEB WATERSTOP WITH SLEEPER SLAB													
DESCRIPTION	#		L		W		T		C.F.				FT
EXPANSION JOINT	2	x	33.13	x			x		1	=			66.3
TOTAL CARRIED TO GENERAL SUMMARY =													67



ITEM 516 - 2" DEEP JOINT SEALER														
DESCRIPTION	#		L		W		T		C.F.		FT			
JOINT AT PAVEMENT/SLEEPER SLAB	2	x	33.13		x			x		÷	1	=	66.3	
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>												<b>67</b>		
ITEM 516 - ELASTOMERIC BEARING WITH INTERNAL LAMINATES ONLY (NEOPRENE) (7"x11"x1.4")														
DESCRIPTION	#		L		W		T		C.F.		EACH			
BOX BEAMS AT REAR ABUTMENT	16	x			x			x		÷	1	=	16.0	
BOX BEAMS AT FWD ABUTMENT	16	x			x			x		÷	1	=	16.0	
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>												<b>32</b>		
ITEM 517 - RAILING (THREE STEEL TUBE BRIDGE RAILING)														
DESCRIPTION	#		L		W		T		C.F.		FT			
TST-2-21	2	x	63		x			x		÷	1	=	126.0	
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>												<b>126</b>		
ITEM 518 - POROUS BACKFILL WITH GEOTEXTILE FABRIC														
DESCRIPTION	#		L		W		T		C.F.		CU YD			
ABUTMENT BACKFILLS	4	x	23.625		x	2		x	7.5	7.83	÷	27	=	53.7
	4	x	4		x	2		x	7.5	5.75	÷	27	=	7.9
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>												<b>62</b>		
ITEM 518 - STEEL DRIP STRIP														
DESCRIPTION	#		L		W		T		C.F.		FT			
DECK EDGES	2	x	50.5		x			x		÷	1	=	101.0	
ADDITIONAL UPPER STRIP AT POSTS	14	x	2		x			x		÷	1	=	28.0	
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>												<b>129</b>		
ITEM 518 - 6" PERFORATED CORRUGATED PLASTIC PIPE														
DESCRIPTION	#		L		W		T		C.F.		FT			
POROUS BACKFILL	2	x	55.25		x			x		÷	1	=	110.5	
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>												<b>111</b>		
ITEM 518 - 6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS														
DESCRIPTION	#		L		W		T		C.F.		FT			
POROUS BACKFILL OUTLETS	4	x	15		x			x		÷	1	=	60.0	
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>												<b>60</b>		



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

DATE: 13-Apr-26

INITIALS: TDF

PID: 117969

CHECKED BY: ELJ

CRS: PER-345-06.48

Department of Transportation

CALCULATION SHEET

DESCRIPTION: BRIDGE QUANTITIES

ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=12"), AS PER PLAN

DESCRIPTION	#		L		W		T		C.F.		SQ YD		
REAR APPROACH SLAB	1	x	15		x	32		x		÷	9	=	53.3
FORWARD APPROACH SLAB	1	x	15		x	32		x		÷	9	=	53.3
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>											<b>107</b>		

ITEM 625 - STRUCTURE GROUNDING SYSTEM

DESCRIPTION	#		L		W		T		C.F.		EACH		
HL-50.21, TWO FOR EACH RAIL	4	x			x			x		÷	1	=	4.0
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>											<b>4</b>		



OHIO DEPARTMENT OF TRANSPORTATION  
DISTRICT 5 BRIDGE

DATE: 9-Apr-26 INITIALS: ELJ  
 PID: 117969 CHECKED BY: TDF  
 CRS: PER-345-06.48  
 DESCRIPTION: EARTHWORK QUANTITIES

CALCULATION SHEET

DESCRIPTION: EARTHWORK QUANTITIES

STATE ROUTE 345								
STARTING STA.		376+00.00	NOTES: - EXISTING PAVEMENT THICKNESS ASSUMED AS SHOWN IN THE TYPICAL SECTIONS - PAVEMENT REMOVED QTY IS PAID FOR ON A SQUARE YARD BASIS. THE CUBIC YARD VOLUME OF PAVEMENT REMOVED IS PROVIDED FOR INFORMATIONAL					
INCREMENTS		25						
ENDING STA.		380+50.00						
SEEDING		STATION	END AREA (SQ FT)			VOLUME (CU YDS)		
END WIDTH	SQ. YDS.		CUT	FILL	PAVE. REM.	CUT	FILL	PAVE. REM.
<i>BEGIN RESURFACING (STA. 376+00.00)</i>								
0		376+00.00	0	0	0			
	44	BACK				0	6	0
32		376+25.00	0	12	0			
<i>END RESURFACING, BEGIN SHOULDER RECONSTRUCTION (STA. 376+25.00)</i>								
		AHEAD						
32		376+25.00	8	12	6			
	89					7	11	6
32		376+50.00	8	12	6			
	92					8	13	6
34		376+75.00	9	17	6			
	94					8	16	6
34		377+00.00	8	17	6			
	103					8	16	6
40		377+25.00	10	17	6			
	111	BACK				9	17	6
40		377+50.00	10	19	6			
<i>END SHOULDER RECONSTRUCTION, BEGIN FULL DEPTH PAVEMENT REPLACEMENT (STA. 377+50.00)</i>								
		AHEAD						
40		377+50.00	13	19	22			
	102	BACK				11	18	19
38		377+73.63	13	22	21			
<i>END FULL DEPTH PAVEMENT REPLACEMENT, BEGIN EXISTING REAR APPROACH SLAB REMOVAL (STA. 377+73.63)</i>								
		AHEAD						
38		377+73.63	0	22	0			
	6					0	1	0



OHIO DEPARTMENT OF TRANSPORTATION  
DISTRICT 5 BRIDGE

DATE: 9-Apr-26 INITIALS: ELJ  
 PID: 117969 CHECKED BY: TDF  
 CRS: PER-345-06.48  
 DESCRIPTION: EARTHWORK QUANTITIES

CALCULATION SHEET

DESCRIPTION: EARTHWORK QUANTITIES

STATE ROUTE 345								
<b>STARTING STA.</b>		<b>376+00.00</b>	NOTES: - EXISTING PAVEMENT THICKNESS ASSUMED AS SHOWN IN THE TYPICAL SECTIONS - PAVEMENT REMOVED QTY IS PAID FOR ON A SQUARE YARD BASIS. THE CUBIC YARD VOLUME OF PAVEMENT REMOVED IS PROVIDED FOR INFORMATIONAL					
<b>INCREMENTS</b>		<b>25</b>						
<b>ENDING STA.</b>		<b>380+50.00</b>						
<b>SEEDING</b>		<b>STATION</b>	<b>END AREA (SQ FT)</b>			<b>VOLUME (CU YDS)</b>		
<b>END WIDTH</b>	<b>SQ. YDS.</b>		<b>CUT</b>	<b>FILL</b>	<b>PAVE. REM.</b>	<b>CUT</b>	<b>FILL</b>	<b>PAVE. REM.</b>
36		377+75.00	0	15	0			
	80	BACK				0	10	0
39		377+94.19	0	12	0			
<b>END PROPOSED REAR APPROACH SLAB (STA. 377+94.19)</b>								
<b>BRIDGE LIMITS: STA. 377+94.19 TO STA. 378+49.81</b>								
<b>BEGIN PROPOSED FORWARD APPROACH SLAB (STA. 378+49.81)</b>								
		AHEAD						
38		378+49.81	0	16	0			
	80	BACK				0	13	0
31		378+70.66	0	18	0			
<b>END EXISTING FORWARD APPROACH SLAB REMOVAL, BEGIN FULL DEPTH PAVEMENT REPLACEMENT (STA. 378+70.66)</b>								
		AHEAD						
31		378+70.66	12	18	26			
	15					2	3	4
30		378+75.00	12	15	26			
	94	BACK				11	14	22
38		379+00.00	12	15	22			
<b>END FULL DEPTH PAVEMENT REPLACEMENT, BEGIN SHOULDER RECONSTRUCTION (STA. 379+00.00)</b>								
		AHEAD						
38		379+00.00	9	15	6			
	97					8	14	6
32		379+25.00	9	15	6			
	96					7	18	6
37		379+50.00	6	23	6			
	110					6	27	6
42		379+75.00	8	36	6			



OHIO DEPARTMENT OF TRANSPORTATION  
DISTRICT 5 BRIDGE

DATE: 9-Apr-26 INITIALS: ELJ  
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 CRS: PER-345-06.48  
 DESCRIPTION: EARTHWORK QUANTITIES

CALCULATION SHEET

DESCRIPTION: EARTHWORK QUANTITIES

STATE ROUTE 345								
<b>STARTING STA.</b>		<b>376+00.00</b>	NOTES: - EXISTING PAVEMENT THICKNESS ASSUMED AS SHOWN IN THE TYPICAL SECTIONS - PAVEMENT REMOVED QTY IS PAID FOR ON A SQUARE YARD BASIS. THE CUBIC YARD VOLUME OF PAVEMENT REMOVED IS PROVIDED FOR INFORMATIONAL					
<b>INCREMENTS</b>		<b>25</b>						
<b>ENDING STA.</b>		<b>380+50.00</b>						
<b>SEEDING</b>		<b>STATION</b>	<b>END AREA (SQ FT)</b>			<b>VOLUME (CU YDS)</b>		
<b>END WIDTH</b>	<b>SQ. YDS.</b>		<b>CUT</b>	<b>FILL</b>	<b>PAVE. REM.</b>	<b>CUT</b>	<b>FILL</b>	<b>PAVE. REM.</b>
	115					8	34	6
<b>41</b>		<b>380+00.00</b>	<b>9</b>	<b>38</b>	<b>6</b>			
	111	<b>BACK</b>				8	32	6
<b>39</b>		<b>380+25.00</b>	<b>9</b>	<b>31</b>	<b>6</b>			
<b>END SHOULDER RECONSTRUCTION, BEGIN RESURFACING (STA. 380+25.00)</b>								
		<b>AHEAD</b>						
<b>39</b>		<b>380+25.00</b>	<b>0</b>	<b>31</b>	<b>0</b>			
	54	<b>BACK</b>				0	14	0
<b>0</b>		<b>380+50.00</b>	<b>0</b>	<b>0</b>	<b>0</b>			
<b>END RESURFACING (380+50.00)</b>								
<b>TOTAL</b>								
<b>AREA (SQUARE YARDS)</b>						<b>VOLUME (CUBIC YARDS)</b>		
<b>SEEDING/MULCHING</b>						<b>CUT</b>	<b>FILL</b>	<b>PAVE. REM.</b>
<b>1493</b>						<b>101</b>	<b>277</b>	<b>105</b>