



## ROADWAY

## ITEM 202 - PAVEMENT REMOVED

REF #	STATION / DESCRIPTION	#		L		AVG. W		T		C.F.		SQ YD	
1-P	22+00 TO 23+58.6 (LT.)	1	x	158.6		4.5		x		÷	9	=	79.3
1-P	23+58.6 TO 23+78.1 (LT.)	1	x	19.5		2.5		x		÷	9	=	5.4
1-P	22+00 TO 23+65 (RT.)	1	x	165		4.5		x		÷	9	=	82.5
1-P	23+65 TO 23+84.5 (RT.)	1	x	19.5		5.5		x		÷	9	=	11.9
1-AS	23+61.82 TO 23+66.82	1	x	5		20		x		÷	9	=	11.1
2-AS	24+94.41 TO 25+10.85	1	x	16.4		20		x		÷	9	=	36.4
2-P	24+88.2 TO 25+07.7 (LT.)	1	x	19.5		2.5		x		÷	9	=	5.4
2-P	25+07.70 TO 26+50 (LT.)	1	x	142.3		4.5		x		÷	9	=	71.2
2-P	24+94.50 TO STA. 25+14 (RT.)	1	x	19.5		2.5		x		÷	9	=	5.4
2-P	25+14 TO STA. 26+50 (RT.)	1	x	136		4.5		x		÷	9	=	68.0
			x					x		÷	9	=	
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>												<b>377</b>	

## ITEM 202 - WEARING COURSE REMOVED

REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		SQ YD	
1-AS	STA. 23+70 TO 23+85	1	x	15		20		x		÷	9	=	33.3
2-AS	STA. 24+74.5 TO 24+89.5	1	x	15		20		x		÷	9	=	33.3
			x					x		÷	9	=	
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>												<b>67</b>	

## ITEM 202 - GUARDRAIL REMOVED

REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		FT	
1-GR	22+95 TO 23+70 (LT.)	1	x	75				x		÷	1	=	75.00
2-GR	22+85 TO 23+60 (RT.)	1	x	75				x		÷	1	=	75.00
3-GR	24+81.50 TO 25+69 (LT.)	1	x	87.5				x		÷	1	=	87.50
4-GR	24+85.50 TO 29+23 (RT.)	1	x	437.5				x		÷	1	=	437.50
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>												<b>675</b>	

## ITEM 203 - EXCAVATION

SEE EARTHWORK CALCULATION SHEETS

## ITEM 203 - EMBANKMENT

SEE EARTHWORK CALCULATION SHEETS



## ROADWAY (CONTINUED)

## ITEM 204 - SUBGRADE COMPACTION

REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		SQ YD
1-P	22+00 TO 22+24 (LT.)	1	x	24		x	6.5		x		÷	9 = 17.3
1-P	22+24 TO 22+56.5 (LT.)	1	x	32.5		x	6.5	11.5	x		÷	9 = 32.5
1-P	22+56.5 TO 23+58.6 (LT.)	1	x	102.1		x	11.5		x		÷	9 = 130.5
1-P	22+00 TO 23+65 (RT.)	1	x	165		x	6.5	11.5	x		÷	9 = 165.0
1-AS	23+61.82 TO 23+83.32	1	x	22.5		x	39		x		÷	9 = 97.5
2-AS	25+05.85 TO 25+10.85	1	x	22.5		x	39		x		÷	9 = 97.5
2-P	25+07.70 TO 26+50 (LT.)	1	x	142.3		x	11.5	6.5	x		÷	9 = 142.3
2-P	25+14.00 TO 26+50 (RT.)	1	x	136		x	11.5	6.5	x		÷	9 = 136.0
			x			x			x		÷	9 =
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>												<b>819</b>

## ITEM 209 - RESHAPING UNDER GUARDRAIL

REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		STA.
1-G	23+00 TO 23+80 (LT.)	1	x	80		x			x		÷	100 = 0.80
2-G	24+85 TO 25+70 (LT.)	1	x	85		x			x		÷	100 = 0.85
3-G	22+50 TO 23+90 (RT.)	1	x	140		x			x		÷	100 = 1.40
4-G	24+90 TO 29+25 (RT.)	1	x	435		x			x		÷	100 = 4.35
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>												<b>7.4</b>

## ITEM 606 - GUARDRAIL, TYPE MGS

REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		FT
1-G		1	x	100		x			x		÷	1 = 100.0
2-G		1	x	100		x			x		÷	1 = 100.0
3-G		1	x	100		x			x		÷	1 = 100.0
4-G		1	x	450		x			x		÷	1 = 450.0
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>												<b>750</b>

## ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016)

REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		EACH
2-G		1	x			x			x		÷	1 = 1
3-G		1	x			x			x		÷	1 = 1
4-G		1	x			x			x		÷	1 = 1
			x			x			x		÷	1 =
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>												<b>3</b>



OHIO DEPARTMENT OF TRANSPORTATION

DATE: 23-Mar-26

INITIALS: TAG

DISTRICT 5 BRIDGE

PID: 115365

CHECKED BY: \_\_\_\_\_

Department of Transportation

CALCULATION SHEET

DESCRIPTION:

COS-93-19.20

ROADWAY QUANTITIES

<b>ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE T</b>															
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		EACH			
1-G		1	x			x			x			÷	1	=	1
			x			x			x			÷	1	=	
			x			x			x			÷	1	=	
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>															<b>1</b>
<b>ROADWAY (CONTINUED)</b>															
<b>ITEM 606 - MGS BRIDGE TERMINAL ASSEMBLY, TYPE TST-2</b>															
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		EACH			
1-G		1	x			x			x			÷	1	=	1
2-G		1	x			x			x			÷	1	=	1
3-G		1	x			x			x			÷	1	=	1
4-G		1	x			x			x			÷	1	=	1
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>															<b>4</b>



Department of  
Transportation

OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

CALCULATION SHEET

DATE: 23-Mar-26

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CRS: \_\_\_\_\_

DESCRIPTION: \_\_\_\_\_

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COS-93-19.20

EROSION CONTROL QUANTITIES

EROSION CONTROL														
ITEM 601 - TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT														
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		EACH		
	REAR ABUTMENT	2	x	4		x	4		x		÷	9	=	3.6
	FWD. ABUTMENT	2	x	4		x	4		x		÷	9	=	3.6
TOTAL CARRIED TO GENERAL SUMMARY =													7	
ITEM 601 - ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC														
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		CU YD		
1-RC	LEFT CHANNEL	1.12	x	164		x	15.4		x		÷	9	=	314.3
2-RC	RIGHT CHANNEL	1.12	x	184		x	15.4		x		÷	9	=	352.6
TOTAL CARRIED TO GENERAL SUMMARY =													667	
ITEM 611 - PRECAST REINFORCED CONCRETE OUTLET														
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		EACH		
	REAR ABUTMENT	2	x			x			x		÷	1	=	2.0
	FWD. ABUTMENT	2	x			x			x		÷	1	=	2.0
TOTAL CARRIED TO GENERAL SUMMARY =													4	
ITEM 659 - COMMERCIAL FERTILIZER														
REF #	STATION / DESCRIPTION	RATE		AREA (SF)		W		T		C.F.		TON		
	10-20-10 @ 30 LBS/1000 SF	30	x	19305		x			x		÷	2E+06	=	0.29
	10-20-10 @ 30 LBS/1000 SF	30	x	1458		x			x		÷	2E+06	=	0.02
TOTAL CARRIED TO GENERAL SUMMARY =													0.31	
ITEM 659 - LIME														
REF #	STATION / DESCRIPTION	#		AREA (SF)		W		T		C.F.		ACRE		
	SEEDING & MULCHING (MAINLINE)	1	x	19305		x			x		÷	43560	=	0.44
	SEEDING & MULCHING (CHANNEL)	1	x	1458		x			x		÷	43560	=	0.03
TOTAL CARRIED TO GENERAL SUMMARY =													0.47	
ITEM 659 - WATER														
REF #	STATION / DESCRIPTION	#		AREA (SF)		W		T		C.F.		MGAL		
	SEEDING & MULCHING (MAINLINE)	300	x	19305		x			x		÷	1E+06	=	5.8
	SEEDING & MULCHING (CHANNEL)	300	x	1458		x			x		÷	1E+06	=	0.4
TOTAL CARRIED TO GENERAL SUMMARY =													6.20	



PAVEMENT															
ITEM 252 - FULL DEPTH PAVEMENT SAWING															
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		FT			
1-P	22+00 TO 23+61.82	2	x	161.82					x			÷	1	=	323.6
1-P	23+61.82	1	x	36.5					x			÷	1	=	36.5
2-P	24+85.85 TO 26+50	2	x	164.15					x			÷	1	=	328.3
2-P	2510.85	1	x	36.5					x			÷	1	=	36.5
TOTAL CARRIED TO GENERAL SUMMARY =													725		
ITEM 254 - PAVEMENT PLANNING, ASPHALT CONCRETE															
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		SQ YD			
1-P	22+00 TO 23+61.82	2	x	161.82		16			x			÷	9	=	575.4
2-P	25+10.85 TO 26+50	2	x	139.15		16			x			÷	9	=	494.8
TOTAL CARRIED TO GENERAL SUMMARY =													1070		
ITEM 301 - ASPHALT CONCRETE BASE, PG64-22, (449)															
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		CU YD			
1-P	STA. 22+00 TO STA. 22+24 (LT.)	1	x	24		5.34			x	0.667		÷	27	=	3.2
	STA. 22+24 TO STA. 22+56.5 (LT.)	1	x	32.5		5.34	10.34		x	0.667		÷	27	=	6.3
	STA. 22+56.50 TO STA. 23+58.6 (LT.)	1	x	102.2		10.34			x	0.667		÷	27	=	26.1
	STA. 22+00 TO STA. 23+65 (RT.)	1	x	165		5.34	10.34		x	0.667		÷	27	=	32.0
2-P	STA. 25+07.7 TO STA. 26+50 (LT.)	1	x	142.3		10.34	5.34		x	0.667		÷	27	=	27.6
	STA. 25+14 TO STA. 26+50 (RT.)	1	x	136		10.34	5.34		x	0.667		÷	27	=	26.3
TOTAL CARRIED TO GENERAL SUMMARY =													122		
ITEM 304 - AGGREGATE BASE															
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		CU YD			
1-P	22+00 TO 22+24 (LT.)	1	x	24		5.84			x	0.5		÷	27	=	2.6
	22+24 TO 22+56.5 (LT.)	1	x	32.5		5.84	10.84		x	0.5		÷	27	=	5.0
	22+56.50 TO 23+58.60 (LT.)	1	x	102.2		10.84			x	0.5		÷	27	=	20.5
	22+00 TO 23+65 (RT.)	1	x	165		5.84	10.84		x	0.5		÷	27	=	25.5
2-P	25+07.7 TO 26+50 (LT.)	1	x	142.3		10.84	5.84		x	0.5		÷	27	=	22.0
	25+14 TO 26+50 (RT.)	1	x	136		10.84	5.84		x	0.5		÷	27	=	21.0
TOTAL CARRIED TO GENERAL SUMMARY =													97		



ITEM 407 - NON-TRACKING TACK COAT															
REF #	STATION / DESCRIPTION	RATE		L			W		APPLICATIONS			C.F.		GAL.	
1-P	22+00 TO 22+24 (LT.)	0.06	x	24		x	13		x			÷	9	=	2.1
	22+24 TO 22+56.50 (LT.)	0.06	x	32.5		x	13	18	x			÷	9	=	3.4
	22+56.50 TO 23+63.82 (LT.)	0.06	x	107.32		x	18		x			÷	9	=	12.9
	22+00 TO 23+63.82 (RT.)	0.06	x	163.82		x	13	18	x			÷	9	=	16.9
2-P	25+08.85 TO STA. 26+50	0.06	x	141.15		x	36	26	x			÷	9	=	29.2
1-P	22+00 TO 22+24 (LT.)	0.09	x	24		x	13		x			÷	9	=	3.1
	22+24 TO 22+56.50 (LT.)	0.09	x	32.5		x	13	18	x			÷	9	=	5.0
	22+56.50 TO 23+61.82 (LT.)	0.09	x	105.32		x	18		x			÷	9	=	19.0
	22+00 TO 23+61.82 (SAW CUT LT.)	0.09	x	161.82		x	0.75		x			÷	9	=	1.2
	22+00 TO 23+61.82 (RT.)	0.09	x	161.82		x	13	18	x			÷	9	=	25.1
	22+00 TO 23+61.82 (SAW CUT RT.)	0.09	x	161.82		x	0.75		x			÷	9	=	1.2
2-P	25+10.85 TO STA. 26+50	0.09	x	139.15		x	36	26	x			÷	9	=	43.1
	25+10.85 TO 26+50 (SAW CUT LT.)	0.09	x	139.15		x	0.75		x			÷	9	=	1.0
	25+10.85 TO 26+50 (SAW CUT RT.)	0.09	x	139.15		x	0.75		x			÷	9	=	1.0
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>														<b>164</b>	
PAVEMENT (CONTINUED)															
ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG70-22M															
REF #	STATION / DESCRIPTION	#		L			W		T			C.F.		CU YD	
1-P	22+00 TO 22+24 (LT.)	1	x	24		x	13		x	0.125		÷	27	=	1.4
	22+24 TO 22+56.50 (LT.)	1	x	32.5		x	13	18	x	0.125		÷	27	=	2.3
	22+56.50 TO 23+63.82 (LT.)	1	x	107.32		x	18		x	0.125		÷	27	=	8.9
	22+00 TO 23+63.82 (RT.)	1	x	163.82		x	13	18	x	0.125		÷	27	=	11.8
2-P	STA. 25+08.85 TO STA. 26+50	1	x	141.15		x	36	26	x	0.125		÷	27	=	20.3
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>														<b>45</b>	
ITEM 441 - ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)															
REF #	STATION / DESCRIPTION	#		L			W		T			C.F.		CU YD	
1-P	22+00 TO 22+24 (LT.)	1	x	24		x	13		x	0.1458		÷	27	=	1.7
	22+24 TO 22+56.50 (LT.)	1	x	32.5		x	13	18	x	0.1458		÷	27	=	2.7
	22+56.50 TO 23+63.82 (LT.)	1	x	107.32		x	18		x	0.1458		÷	27	=	10.4
	22+00 TO 23+63.82 (RT.)	1	x	163.82		x	13	18	x	0.1458		÷	27	=	13.7
2-P	STA. 25+08.85 TO STA. 26+50	1	x	141.15		x	36	26	x	0.1458		÷	27	=	23.6
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>														<b>52</b>	



TRAFFIC CONTROL													
ITEM 621 - RAISED PAVEMENT MARKER REMOVED													
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		EACH	
1-RPM	STA. 22+00.00 TO STA. 26+50	1	x	450		x		x		÷	50	=	9
TOTAL CARRIED TO GENERAL SUMMARY =												9	
ITEM 626 - BARRIER REFLECTOR, TYPE 2 (BIDIRECTIONAL)													
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		EACH	
1-G/1-B/3-G	STA. 23+00 TO STA. 25+70	1	x	270		x		x		÷	50	=	5
2-G/2-B/4-G	STA. 22+50 TO STA. 29+50	1	x	700		x		x		÷	50	=	14
TOTAL CARRIED TO GENERAL SUMMARY =												19	
ITEM 630 - REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL													
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		EACH	
	"WEIGHT LIMIT, SINGLE UNIT"	2	x			x		x		÷	1	=	2.0
TOTAL CARRIED TO GENERAL SUMMARY =												2.0	
ITEM 630 - REMOVAL OF GROUND MOUNTED SIGN AND REERECTION													
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		EACH	
OM	CAUTION SIGN FOR CURVE	2	x			x		x		÷	1	=	2.0
TOTAL CARRIED TO GENERAL SUMMARY =												2.0	
ITEM 630 - REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL													
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		EACH	
OM	"WEIGHT LIMIT, SINGLE UNIT"	2	x			x		x		÷	1	=	2.0
TOTAL CARRIED TO GENERAL SUMMARY =												2.0	



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CRS: \_\_\_\_\_

COS-93-19.20

DESCRIPTION: \_\_\_\_\_

TRAFFIC CONTROL QUANTITIES

ITEM 646 - EDGE LINE, 6"														
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.				MILE
1-PM	STA. 22+00 TO STA. 26+50	1	x	450		x		x		÷	5280	=		0.09
2-PM	STA. 22+00 TO STA. 26+50	1	x	450		x		x		÷	5280	=		0.09
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>														<b>0.18</b>
ITEM 646 - CENTER LINE														
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.				MILE
3-PM	STA. 22+00 TO STA. 26+50	1	x	450		x		x		÷	5280	=		0.09
														<b>0.09</b>



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BRIDGE QUANTITIES

ITEM 202 - APPROACH SLAB REMOVED														
DESCRIPTION	#		L		W		T				C.F.		SQ YD	
REAR APPROACH SLAB	1	x	15		x	20		x			÷	9	=	33.3
FORWARD APPROACH SLAB	1	x	15		x	20		x			÷	9	=	33.3
TOTAL CARRIED TO GENERAL SUMMARY =													67	
ITEM 202 - BRIDGE RAILING REMOVED														
DESCRIPTION	#		L		W		T				C.F.		FT	
EX. DEEP BEAM RAIL W/ TUB. BACK.	2	x	100		x			x			÷	1	=	200.0
TOTAL CARRIED TO GENERAL SUMMARY =													200	
ITEM 503 - COFFERDAMS AND EXCAVATION BRACING														
DESCRIPTION	#		L		W		T				C.F.		EACH	
		x			x			x			÷		=	
LUMP SUM CARRIED TO GENERAL SUMMARY													LS	
ITEM 503 - UNCLASSIFIED EXCAVATION (FOR REFERENCE ONLY)														
DESCRIPTION	#		L		W/AREA		T				C.F.		CU YD	
EXISTING REAR ABUTMENT REMOVAL	1	x	60		x	15		x	4.25	2.5	÷	27	=	112.5
	1	x	37.6		x	130		x			÷	27	=	181.0
EXISTING FWD ABUTMENT REMOVAL	1	x	60		x	15		x	16	10	÷	27	=	433.3
	1	x	37.6		x	130		x			÷	27	=	181.0
SUBTRACT ABUTMENT VOLUME	-1													-100.4
CALC'D ABOVE														
EXISTING PIER REMOVAL	1	x	40		x	15		x	10		÷	27	=	222.2
PROP REAR ABUTMENT (FRONT)	1	x	52		x	15		x			÷	27	=	28.9
PROP REAR ABUTMENT (BACK)	1	x	52		x	100		x			÷	27	=	192.6
PROP FWD ABUTMENT (FRONT)	1	x	52		x	16		x			÷	27	=	30.8
PROP FWD ABUTMENT (BACK)	1	x	52		x	30		x			÷	27	=	57.8
LUMP SUM CARRIED TO GENERAL SUMMARY													LS	
ITEM 505 - PILE DRIVING EQUIPMENT MOBILIZATION														
DESCRIPTION	#		L		W		T				C.F.		LS	
EQUIPMENT MOBILIZATION	LS	x			x			x			÷	1	=	LS
LUMP SUM CARRIED TO GENERAL SUMMARY													LS	



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BRIDGE QUANTITIES

ITEM 507 - STEEL PILES HP10x42, FURNISHED													
DESCRIPTION	#		L		W		T		C.F.		FT		
REAR ABUT.	9	x	55		x			x		÷	1	=	495.0
FWD. ABUT.	9	x	50		x			x		÷	1	=	450.0
		x			x			x		÷	1	=	
TOTAL CARRIED TO GENERAL SUMMARY =												945	
ITEM 507 - STEEL PILES HP10x42, DRIVEN													
DESCRIPTION	#		L		W		T		C.F.		FT		
REAR ABUT.	9	x	50		x			x		÷	1	=	450.0
FWD. ABUT.	9	x	45		x			x		÷	1	=	405.0
		x			x			x		÷	1	=	
TOTAL CARRIED TO GENERAL SUMMARY =												855	
ITEM 507 - STEEL PILES HP12x53, FURNISHED													
DESCRIPTION	#		L		W		T		C.F.		FT		
PIER 1	6	x	60		x			x		÷	1	=	360.0
PIER 2	6	x	60		x			x		÷	1	=	360.0
		x			x			x		÷	1	=	
TOTAL CARRIED TO GENERAL SUMMARY =												720	
ITEM 507 - STEEL PILES HP12x53, DRIVEN													
DESCRIPTION	#		L		W		T		C.F.		FT		
PIER 1	6	x	55		x			x		÷	1	=	330.0
PIER 2	6	x	55		x			x		÷	1	=	330.0
		x			x			x		÷	1	=	
TOTAL CARRIED TO GENERAL SUMMARY =												660	
ITEM 507 - SPECIAL - PILE ENCASEMENT													
DESCRIPTION	#		L		W		T		C.F.		FT		
PIER 1	6	x	18		x			x		÷	1	=	108.0
PIER 2	6	x	18		x			x		÷	1	=	108.0
		x			x			x		÷	1	=	
TOTAL CARRIED TO GENERAL SUMMARY =												216	



OHIO DEPARTMENT OF TRANSPORTATION

DATE: 23-Mar-26

INITIALS: TAG

DISTRICT 5 BRIDGE

PID: 115365

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CRS: COS-93-19.20

CALCULATION SHEET

DESCRIPTION: BRIDGE QUANTITIES

<b>ITEM 507 - STEEL POINTS OR SHOES</b>														
<b>DESCRIPTION</b>	<b>#</b>		<b>L</b>		<b>W</b>		<b>T</b>				<b>C.F.</b>		<b>EACH</b>	
REAR ABUTMENT	9	x			x			x			÷	1	=	9.0
PIER 1	6	x			x			x			÷	1	=	6.0
PIER 2	6	x			x			x			÷	1	=	6.0
FWD. ABUTMENT	9	x			x			x			÷	1	=	9.0
		x			x			x			÷	1	=	
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>													<b>30</b>	



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OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

CALCULATION SHEET

DATE: 23-Mar-26

PID: 115365

CRS:

DESCRIPTION:

INITIALS: TAG

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COS-93-19.20

BRIDGE QUANTITIES

ITEM 509 - GALVANIZES STEEL REINFORCEMENT															
DESCRIPTION	#		L			W			T			C.F.	EACH		
SEE REINFORCEMENT SCHEDULE		x			x			x				÷	=		
TOTAL CARRIED TO GENERAL SUMMARY =													65,152		
ITEM 511 - CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE															
DESCRIPTION	#		L			W			T			C.F.	CU YD		
BRIDGE DECK	1	x	99.0		x	36.0		x	1.6			÷	27	=	209.0
ADDT'L DECK EDGE THICKNESS	2	x	95.5		x	4.0		x	0.083			÷	27	=	2.4
	1	x	95.5		x	0.167		x	0.083			÷	27	=	0.0
DIAPHRAGMS	2	x	36.5		x	2.25		x	3.500			÷	27	=	21.3
	4	x	1.500		x	2.25		x	5.000			÷	27	=	2.5
PIER 1 CAP	1	x	31.667		x	3.0		x	2.1	2.3542		÷	27	=	7.8
	1	x	3.142		x	3.1		x	2.1			÷	27	=	0.7
SHEAR KEYS - PIER 1	22	x	1.000		x	0.77		x	0.2			÷	27	=	0.1
PIER 2 CAP	1	x	31.667		x	3.0		x	2.1	2.3542		÷	27	=	7.8
	1	x	3.142		x	3.06		x	2.1			÷	27	=	0.7
SUBTRACT APPROACH SLAB	-2	x	36.542		x	0.50		x	2.0	1.7083		÷	27	=	-2.5
TOTAL CARRIED TO GENERAL SUMMARY =													250		
ITEM 511 - CLASS QC1 CONCRETE, ABUTMENT NOT INCLUDING FOOTING															
DESCRIPTION	#		L			W			T			C.F.	CU YD		
REAR ABUTMENT	1	x	59		x	2.25		x	3.79			÷	27	=	18.6
	2	x	9.4	9.8333	x	2.25		x	1	3.7		÷	27	=	3.8
		x			x			x				÷	27	=	
FORWARD ABUTMENT	1	x	59		x	2.25		x	3.79			÷	27	=	18.6
	2	x	9.4	9.8333	x	2.25		x	1	5.26		÷	27	=	5.0
		x			x			x				÷	27	=	
TOTAL CARRIED TO GENERAL SUMMARY =													46		



Department of  
Transportation

OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

CALCULATION SHEET

DATE: 23-Mar-26

PID: 115365

CRS:

DESCRIPTION:

INITIALS: TAG

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COS-93-19.20

BRIDGE QUANTITIES

ITEM 511 - CLASS QC1 CONCRETE, FOOTING														
DESCRIPTION	#		L		W		T		C.F.				CU YD	
REAR ABUTMENT FOOTING	1	x	59.0		x	3.0		x	3.0		÷	27	=	19.7
FORWARD ABUTMENT FOOTING	1	x	59.0		x	3.0		x	3.0		÷	27	=	19.7
TOTAL CARRIED TO GENERAL SUMMARY =													39	
ITEM 512 - SEALING OF CONCRETE SURFACES (NON-EPOXY)														
DESCRIPTION	#		L		W		T		C.F.				SQ YD	
REAR ABUTMENT/DIAPHRAGM FACE	2	x	16		x	3.5933	3.0937	x			÷	9	=	11.9
	2	x	3		x	4.6767		x			÷	9	=	3.1
	2	x	7		x	4.6767	1.1767	x			÷	9	=	4.6
REAR ABUT, TOP WW/DIAPHRAGM	2	x	10		x	2.25		x			÷	9	=	5.0
REAR ABUT, BACK WW/DIAPHRAGM	2	x	10		x	0.5		x			÷	9	=	1.1
REAR ABUT, END WW	2	x	2.25		x	1.1767		x			÷	9	=	0.6
FWD ABUTMENT/DIAPHRAGM FACE	2	x	16		x	3.9633	3.4635	x			÷	9	=	13.2
	2	x	3		x	5.0467		x			÷	9	=	3.4
	2	x	7		x	5.0467	1.5467	x			÷	9	=	5.1
FWD ABUT, TOP WW/DIAPHRAGM	2	x	10		x	2.25		x			÷	9	=	5.0
FWD ABUT, BACK WW/DIAPHRAGM	2	x	10		x	0.5		x			÷	9	=	1.1
FWD ABUT, END WW	2	x	2.25		x	1.5467		x			÷	9	=	0.8
TOP OF DECK	2	x	95.5		x	0.5		x			÷	9	=	10.6
SIDE OF DECK	2	x	95.5		x	1.6667		x			÷	9	=	35.4
BOTTOM OF DECK	2	x	95.5		x	0.5		x			÷	9	=	10.6
PIER CAP ENDS	4	x	7.5		x	2.5		x			÷	9	=	8.3
	2	x	3.14		x	3.0625		x			÷	9	=	2.1
	4	x	1		x	3.5		x			÷	9	=	1.6
	-4	x	3.14		x	0.5625		x			÷	9	=	-0.8
TOTAL CARRIED TO GENERAL SUMMARY =													123	
ITEM 512 - TYPE 2 WATERPROOFING														
DESCRIPTION	#		L		W		T		C.F.				SQ YD	
REAR ABUT. / APPR. SLAB CONTACT	2	x	9.833		x	3		x			÷	9	=	6.6
FWD ABUT. / APPR. SLAB CONTACT	2	x	9.4167		x	3		x			÷	9	=	6.3
TOTAL CARRIED TO GENERAL SUMMARY =													13	
ITEM 516 - 1/2" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN														
DESCRIPTION	#		L		W		T		C.F.				SQ FT	
REAR ABUTMENT	1	x	39.75		x	0.75		x			÷	1	=	29.8
FORWARD ABUTMENT	1	x	39.75		x	0.75		x			÷	1	=	29.8
		x			x			x			÷	1	=	
TOTAL CARRIED TO GENERAL SUMMARY =													60	



ITEM 516 - 1" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN														
DESCRIPTION	#		L		W		T		C.F.				SQ FT	
REAR ABUTMENT	1	x	39.75		x	0.667		x			÷	1	=	26.5
FORWARD ABUTMENT	1	x	39.75		x	0.667		x			÷	1	=	26.5
REAR ABUTMENT (SIDES)	2	x	2.29		x	3.62		x			÷	1	=	16.6
FORWARD ABUTMENT (SIDES)	2	x	2.29		x	3.62		x			÷	1	=	16.6
		x			x			x			÷	1	=	
TOTAL CARRIED TO GENERAL SUMMARY =													86	
ITEM 516 - INTEGRAL ABUTMENT EXPANSION JOINT SEAL														
DESCRIPTION	#		L		W		T		C.F.				FT	
REAR ABUTMENT JOINT (HORIZONTAL)	1	x	42.75		x			x			÷	1	=	42.8
REAR ABUTMENT JOINT (VERTICAL)	2	x	4.7		x			x			÷	1	=	9.4
FORWARD ABUTMENT JOINT (HORIZONTAL)	1	x	42.75		x			x			÷	1	=	42.8
FORWARD ABUTMENT JOINT (VERTICAL)	2	x	4.7		x			x			÷	1	=	9.4
		x			x			x			÷	1	=	
TOTAL CARRIED TO GENERAL SUMMARY =													95	
ITEM 516 - STRUCTURAL JOINT OR JOINT SEALER, MISC.: EMSEAL WITH SLEEPER SLAB														
DESCRIPTION	#		L		W		T		C.F.				FT	
REAR SLEEPER SLAB	1	x	36.6667		x			x			÷	1	=	36.7
FORWARD SLEEPER SLAB	1	x	36.6667		x			x			÷	1	=	36.7
TOTAL CARRIED TO GENERAL SUMMARY =													73	
ITEM 516 - 2" DEEP JOINT SEALER, AS PER PLAN														
DESCRIPTION	#		L		W		T		C.F.				FT	
REAR SLEEPER SLAB / PV'MNT JOINT	1	x	36.6667		x			x			÷	1	=	36.7
FWD SLEEPER SLAB / PV'MNT JOINT	1	x	36.6667		x			x			÷	1	=	36.7
TOTAL CARRIED TO GENERAL SUMMARY =													73	
ITEM 517 - RAILING (THREE STEEL TUBE BRIDGE RAILING)														
DESCRIPTION	#		L		W		T		C.F.				FT	
BRIDGE RAILING	2	x	107		x			x			÷	1	=	214.0
TOTAL CARRIED TO GENERAL SUMMARY =													214	



Department of  
Transportation

OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

CALCULATION SHEET

DATE: 23-Mar-26

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CRS:

DESCRIPTION:

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COS-93-19.20

BRIDGE QUANTITIES

<b>ITEM 518 - POROUS BACKFILL WITH GEOTEXTILE FABRIC</b>														
DESCRIPTION	#		L			W			T			C.F.	CU YD	
REAR ABUTMENT BACKFILL	1	x	42.1667		x	2		x	8		÷	27	=	25.0
	1	x	8.4167		x	2		x	8	5.5	÷	27	=	4.2
	1	x	8.4167		x	2		x	8	5.5	÷	27	=	4.2
FORWARD ABUTMENT BACKFILL	1	x	42.1667		x	2		x	8		÷	27	=	25.0
	1	x	8.4167		x	0.25		x	8	5.5	÷	27	=	0.5
	1	x	8.4167		x	2		x	8	5.5	÷	27	=	4.2
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>													<b>63</b>	
<b>ITEM 518 - STEEL DRIP STRIP</b>														
DESCRIPTION	#		L			W			T			C.F.	FT	
DECK EDGES	2	x	96		x			x			÷	1	=	192.0
ADDITIONAL UPPER STRIP AT POSTS	26	x	2		x			x			÷	1	=	52.0
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>													<b>244</b>	
<b>ITEM 518 - 6" PERFORATED CORRUGATED PLASTIC PIPE</b>														
DESCRIPTION	#		L			W			T			C.F.	FT	
REAR ABUTMENT BACKFILL	1	x	59		x			x			÷	1	=	59.0
FORWARD ABUTMENT BACKFILL	1	x	59		x			x			÷	1	=	59.0
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>													<b>118</b>	
<b>ITEM 518 - 6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS</b>														
DESCRIPTION	#		L			W			T			C.F.	FT	
REAR ABUTMENT OUTLET TO RCP	2	x	15		x			x			÷	1	=	30.0
FWD ABUTMENT OUTLET TO RCP	2	x	15		x			x			÷	1	=	30.0
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>													<b>60</b>	



**Department of  
Transportation**

OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

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INITIALS: TAG

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COS-93-19.20

BRIDGE QUANTITIES

<b>ITEM 523 - DYNAMIC LOAD TESTING, AS PER PLAN</b>														
<i>DESCRIPTION</i>	<i>#</i>		<i>L</i>		<i>W</i>		<i>T</i>				<i>C.F.</i>		<i>EACH</i>	
ABUTMENT PILES	1	x			x			x			÷	1	=	1.0
PIER PILES	1	x			x			x			÷	1	=	1.0
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>													<b>2</b>	
<b>ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=13"), AS PER PLAN</b>														
<i>DESCRIPTION</i>	<i>#</i>		<i>L</i>		<i>W</i>		<i>T</i>				<i>C.F.</i>		<i>SQ YD</i>	
REAR APPROACH SLAB	1	x	20		x	36		x			÷	9	=	80.0
FORWARD APPROACH SLAB	1	x	20		x	36		x			÷	9	=	80.0
<b>TOTAL CARRIED TO GENERAL SUMMARY =</b>													<b>160</b>	