



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

DATE: 5-Dec-25

PID: 105490

CRS:

INITIALS: ELJ

CHECKED BY: TDF

GUE-70/77-VAR

Department of
Transportation

CALCULATION SHEET

DESCRIPTION:

ROADWAY QUANTITIES

ITEM 202 - WEARING COURSE REMOVED

PHASE 1

REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		SQ YD
1-PS	STA. 272+84.70 TO 274+34.79	1	x	150.84	152.26	x	5.5		x			÷	9	=	92.6
2-PS	STA. 274+09.34 TO 275+72.77	1	x	154.28	155.91	x	5.5		x			÷	9	=	94.8

PHASE 2

REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		SQ YD
3-PS	STA. 273+23.85 TO 274+73.91	1	x	150.42	151.93	x	5		x			÷	9	=	84.0
4-PS	STA. 273+85.76 TO 275+40.63	1	x	153.28	154.83	x	5		x			÷	9	=	85.6

TOTAL CARRIED TO GENERAL SUMMARY = 357

ITEM 202 - GUARDRAIL REMOVED

PHASE 1

REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		FT
1-GR	ALONG RAMP 'C' TO STA. 272+67, NB RT	1	x	1600		x			x			÷	1	=	1600.00
2-GR	STA. 274+44 TO 249+95, NB RT	1	x	562.5		x			x			÷	1	=	562.50
3-GR	STA. 275+90 TO 284+69, SB LT	1	x	875		x			x			÷	1	=	875.00

PHASE 2

REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		FT
4-GR	STA. 270+48 TO STA. 273+16, NB RT	1	x	275		x			x			÷	1	=	275.00
5-GR	STA. 250+50 TO 278+28, SB LT	1	x	281.25		x			x			÷	1	=	281.25

TOTAL CARRIED TO GENERAL SUMMARY = 3594

ITEM 203 - EXCAVATION, AS PER PLAN

PHASE 1

REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		CU YD
1-C	STA. 272+49 TO 272+67	1	x	18.16		x	7		x	1.65		÷	27	=	7.77
2-C	STA. 275+90 TO 276+09	1	x	18.16		x	7		x	1.65		÷	27	=	7.77

PHASE 2

REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		CU YD
3-C	STA. 272+98 TO 273+16	1	x	18.16		x	6.5		x	1.65		÷	27	=	7.21
4-C	STA. 275+50 TO 275+69	1	x	18.16		x	6.5		x	1.65		÷	27	=	7.21

TOTAL CARRIED TO GENERAL SUMMARY = 30



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Department of
Transportation

CALCULATION SHEET

DESCRIPTION:

ROADWAY QUANTITIES

ITEM 203 - EMBANKMENT

PHASE 1

REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		EACH
			X			X			X			÷	27	=	
			X			X			X			÷	27	=	

PHASE 2

REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		EACH
			X			X			X			÷	27	=	
			X			X			X			÷	27	=	

TOTAL CARRIED TO GENERAL SUMMARY = 0

ITEM 204 - SUBGRADE COMPACTION

PHASE 1

REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		SQ YD
1-C	STA. 272+49 TO 272+67	1	x	18.16		x	7		x			÷	9	=	14.1
2-C	STA. 275+90 TO 276+09	1	x	18.16		x	7		x			÷	9	=	14.1
1-N	STA. 272+67 TO 272+89	1	x	23.18	17.8	x	6.5	7.3	x			÷	9	=	15.7
2-N	STA. 274+32 TO 274+44	1	x	11.99	7.55	x	7.5		x			÷	9	=	8.1
3-N	STA. 275+67 TO 275+90	1	x	21.97	16.76	x	5.83		x			÷	9	=	12.5
4-N	STA. 274+02 TO 274+12	1	x	10.12	7.16	x	5.83		x			÷	9	=	5.6

PHASE 2

REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		SQ YD
3-C	STA. 272+98 TO 273+16	1	x	18.16		x	6.5		x			÷	9	=	13.1
4-C	STA. 275+50 TO 275+69	1	x	18.16		x	6.5		x			÷	9	=	13.1
5-N	STA. 273+16 TO 273+26	1	x	7.9	10.3	x	5.33		x			÷	9	=	5.4
6-N	STA. 274+72 TO 274+93	1	x	21.2	16.8	x	5.33		x			÷	9	=	11.3
7-N	STA. 275+40 TO 275+50	1	x	7	9.8	x	5.33		x			÷	9	=	5.0
8-N	STA. 273+66 TO 273+87	1	x	16.8	20.86	x	5.33		x			÷	9	=	11.2

TOTAL CARRIED TO GENERAL SUMMARY = 129

ITEM 209 - RESHAPING UNDER GUARDRAIL

PHASE 1

REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		STA.
1-G	ALONG RAMP 'C' TO STA. 272+69 NB RT	1	x	1600		x			x			÷	100	=	16.00
2-G	STA. 274+41 TO 280+09	1	x	575		x			x			÷	100	=	5.75
3-G	STA. 275+87 TO 284+70	1	x	868		x			x			÷	100	=	8.68

PHASE 2

REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		STA.
4-G	STA. 271+19 TO 273+19	1	x	200		x			x			÷	100	=	2.00
5-G	STA. 275+48 TO 272+52	1	x	200		x			x			÷	100	=	2.00

TOTAL CARRIED TO GENERAL SUMMARY = 34



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ROADWAY QUANTITIES

ITEM 606 - GUARDRAIL, TYPE MGS

PHASE 1

REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		FT
1-G	ALONG RAMP 'C' TO STA. 272+69 NB RT	1	x	1537.5		x			x			÷	1	=	1537.5
2-G	STA. 274+41 TO 280+09	1	x	537.5		x			x			÷	1	=	537.50
3-G	STA. 275+87 TO 284+70	1	x	800		x			x			÷	1	=	800.0

PHASE 2

REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		FT
4-G	STA. 271+19 TO 273+19	1	x	125		x			x			÷	1	=	125.0
5-G	STA. 275+48 TO 272+52	1	x	125		x			x			÷	1	=	125.0

TOTAL CARRIED TO GENERAL SUMMARY = 3125

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

PHASE 1

REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		EACH	
1-G	ALONG RAMP 'C' TO STA. 272+69 NB RT	1	x			x		x		÷	1	=	1
3-G	STA. 275+87 TO 284+70	1	x			x		x		÷	1	=	1

PHASE 2

REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		EACH
4-G	STA. 271+19 TO 273+19	1	x			x			x			÷	1	=	1
5-G	STA. 275+48 TO 272+52	1	x			x			x			÷	1	=	1

TOTAL CARRIED TO GENERAL SUMMARY = 4

ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE T

PHASE 1

REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		EACH	
2-G	STA. 274+41 TO 280+09	1	x			x		x		÷	1	=	1

TOTAL CARRIED TO GENERAL SUMMARY = 1



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DESCRIPTION:

ROADWAY QUANTITIES

ITEM 606 - MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1

PHASE 1

REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		EACH
1-G	ALONG RAMP 'C' TO STA. 272+69 NB RT	1	X			X			X			÷	1	=	1
3-G	STA. 275+87 TO 284+70	1	X			X			X			÷	1	=	1

PHASE 2

REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		EACH
4-G	STA. 271+19 TO 273+19	1	x			x			x			÷	1	=	1
5-G	STA. 275+48 TO 272+52	1	x			x			x			÷	1	=	1

TOTAL CARRIED TO GENERAL SUMMARY = 4

ITEM 606 - MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2

PHASE 1

REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		EACH
2-G	STA. 274+41 TO 280+09	1	x			x			x			÷	1	=	1

TOTAL CARRIED TO GENERAL SUMMARY = 1

ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 4, AS PER PLAN

PHASE 1

REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		FT
1-C	STA. 272+49 TO 272+67	1	x	18.16		x			x			÷	1	=	18
2-C	STA. 275+90 TO 276+09	1	x	18.16		x			x			÷	1	=	18

PHASE 2

REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		FT
3-C	STA. 272+98 TO 273+16	1	x	18.16		x			x			÷	1	=	18
4-C	STA. 275+50 TO 275+69	1	x	18.16		x			x			÷	1	=	18

TOTAL CARRIED TO GENERAL SUMMARY = 73



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DESCRIPTION:

EROSION CONTROL QUANTITIES

ITEM 659 - SEEDING AND MULCHING, CLASS 2														
REF #	STATION / DESCRIPTION	#		AREA (SF)			W			T			C.F.	SQ YD
	TAKEN FROM ERIC CALCS	1	x	15102		x			x			÷	9	= 1678.0
TOTAL CARRIED TO GENERAL SUMMARY =														1,678
ITEM 659 - COMMERCIAL FERTILIZER														
REF #	STATION / DESCRIPTION	RATE		AREA (SF)			W			T			C.F.	TON
	10-20-10 @ 30 LBS/1000 SF	30	x	15102		x			x			÷	2E+06	= 0.23
TOTAL CARRIED TO GENERAL SUMMARY =														0.23
ITEM 659 - LIME														
REF #	STATION / DESCRIPTION	#		AREA (SF)			W			T			C.F.	ACRE
	SEEDING & MULCHING	1	x	15102		x			x			÷	43560	= 0.35
TOTAL CARRIED TO GENERAL SUMMARY =														0.35
ITEM 659 - WATER														
REF #	STATION / DESCRIPTION	#		AREA (SF)			W			T			C.F.	MGAL
	SEEDING & MULCHING (MAINLINE)	300	x	15102		x			x			÷	1E+06	= 5.0
TOTAL CARRIED TO GENERAL SUMMARY =														5.0



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DESCRIPTION:

PAVEMENT QUANTITIES

ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, 1.0"

PRE-PHASE 1

REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		SQ YD
	EXISTING RUMBLE STRIP AT RAMP 'C' ENTRANCE/GORE	1	x	550	x	2	x		÷	9	=	122.2
TOTAL CARRIED TO GENERAL SUMMARY =												122

ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, 1.5"

POST-PHASE 2

REF #	STATION / DESCRIPTION	#		AREA						C.F.		SQ YD
1-P	STA. 256+00 TO 281+00 NB MICROSTATION MEASUREMENT	1	x	138,977.42	x		x		÷	9	=	15441.9
2-P	STA. 270+00 TO 309+00 SB MICROSTATION MEASUREMENT	1	x	164,003.20	x		x		÷	9	=	18222.6
TOTAL CARRIED TO GENERAL SUMMARY =												33665

ITEM 255 - FULL DEPTH PAVEMENT SAWING

PHASE 1

REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		FT
1-C	STA. 272+49 TO 272+67	1	x	23.6	x		x		÷	1	=	23.6
2-N	STA. 274+30 TO 274+44	1	x	7.5	x		x		÷	1	=	7.5
3-N/2-C	STA. 275+67 TO 276+09	1	x	45.7	x		x		÷	1	=	45.7
4-N	STA. 274+02 TO 274+16	1	x	12.7	x		x		÷	1	=	12.7

PHASE 2

REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		FT
3-C	STA. 272+98 TO 273+16	1	x	5.1	x		x		÷	1	=	5.1
6-N	STA. 274+72 TO 274+93	1	x	5	x		x		÷	1	=	5.0
4-C	STA. 275+50 TO 275+69	1	x	5	x		x		÷	1	=	5.0
8-N	STA. 273+66 TO 273+87	1	x	5	x		x		÷	1	=	5.0
TOTAL CARRIED TO GENERAL SUMMARY =												110



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Transportation

CALCULATION SHEET

DESCRIPTION: _____

PAVEMENT QUANTITIES

ITEM 304 - AGGREGATE BASE															
PHASE 1															
REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		CU YD
1-C	STA. 272+49 TO 272+67	1	x	18.16		x	7		x	0.33		÷	9	=	4.7
2-C	STA. 275+90 TO 276+09	1	x	18.16		x	7		x	0.33		÷	9	=	4.7
1-N	STA. 272+67 TO 272+89	1	x	23.18	17.8	x	6.5	7.3	x	0.33		÷	9	=	5.2
2-N	STA. 274+32 TO 274+44	1	x	11.99	7.55	x	7.5		x	0.33		÷	9	=	2.7
3-N	STA. 275+67 TO 275+90	1	x	21.97	16.76	x	5.83		x	0.33		÷	9	=	4.1
4-N	STA. 274+02 TO 274+12	1	x	10.12	7.16	x	5.83		x	0.33		÷	9	=	1.8
PHASE 2															
REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		CU YD
3-C	STA. 272+98 TO 273+16	1	x	18.16		x	6.5		x	0.33		÷	9	=	4.3
4-C	STA. 275+50 TO 275+69	1	x	18.16		x	6.5		x	0.33		÷	9	=	4.3
5-N	STA. 273+16 TO 273+26	1	x	7.9	10.3	x	5.33		x	0.33		÷	9	=	1.8
6-N	STA. 274+72 TO 274+93	1	x	21.2	16.8	x	5.33		x	0.33		÷	9	=	3.7
7-N	STA. 275+40 TO 275+50	1	x	7	9.8	x	5.33		x	0.33		÷	9	=	1.6
8-N	STA. 273+66 TO 273+87	1	x	16.8	20.86	x	5.33		x	0.33		÷	9	=	3.7
TOTAL CARRIED TO GENERAL SUMMARY =															43



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DESCRIPTION:

PAVEMENT QUANTITIES

ITEM 407 - NON-TRACKING TACK COAT

PHASE 1 (PRIOR TO INTERMEDIATE COURSE - 1ST LIFT)

REF #	STATION / DESCRIPTION	RATE		L			W			APPLICATIONS			C.F.		GAL.
1-C	STA. 272+49 TO 272+67	0.08	x	18.16		x	7		x	1		÷	9	=	1.1
1-N	STA. 272+67 TO 272+89	0.08	x	23.18	17.8	x	6.5	7.3	x	1		÷	9	=	1.3
1-PS	STA. 272+84 TO 274+35	0.08	x	150.8		x	6		x	1		÷	9	=	8.0
2-N	STA. 274+32 TO 274+44	0.08	x	11.99	7.55	x	7.5		x	1		÷	9	=	0.7
2-C	STA. 275+90 TO 276+09	0.08	x	18.16		x	7		x	1		÷	9	=	1.1
3-N	STA. 275+67 TO 275+90	0.08	x	21.97	16.76	x	5.83		x	1		÷	9	=	1.0
2-PS	STA. 274+09 TO 275+73	0.08	x	154.3		x	6		x	1		÷	9	=	8.2
4-N	STA. 274+02 TO 274+12	0.08	x	10.12	7.16	x	5.83		x	1		÷	9	=	0.4

PHASE 1 (PRIOR TO INTERMEDIATE COURSE - 2ND LIFT)

REF #	STATION / DESCRIPTION	RATE		L			W			APPLICATIONS			C.F.		GAL.
1-C	STA. 272+49 TO 272+67	0.06	x	18.16		x	7		x	1		÷	9	=	0.8
1-N	STA. 272+67 TO 272+89	0.06	x	23.18	17.8	x	6.5	7.3	x	1		÷	9	=	0.9
1-PS	STA. 272+84 TO 274+35	0.06	x	150.8		x	6		x	1		÷	9	=	6.0
2-N	STA. 274+32 TO 274+44	0.06	x	11.99	7.55	x	7.5		x	1		÷	9	=	0.5
2-C	STA. 275+90 TO 276+09	0.06	x	18.16		x	7		x	1		÷	9	=	0.8
3-N	STA. 275+67 TO 275+90	0.06	x	21.97	16.76	x	5.83		x	1		÷	9	=	0.8
2-PS	STA. 274+09 TO 275+73	0.06	x	154.3		x	6		x	1		÷	9	=	6.2
4-N	STA. 274+02 TO 274+12	0.06	x	10.12	7.16	x	5.83		x	1		÷	9	=	0.3

PHASE 2 (PRIOR TO INTERMEDIATE COURSE)

REF #	STATION / DESCRIPTION	RATE		L			W			APPLICATIONS			C.F.		GAL.
3-C	STA. 272+98 TO 273+16	0.08	x	18.16		x	6.5		x	1		÷	9	=	1.0
5-N	STA. 273+16 TO 273+26	0.08	x	7.9	10.3	x	5.33		x	1		÷	9	=	0.4
3-PS	STA. 273+24 TO 274+76	0.08	x	150.4		x	5.5		x	1		÷	9	=	7.4
6-N	STA. 274+72 TO 274+93	0.08	x	21.2	16.8	x	5.33		x	1		÷	9	=	0.9
4-C	STA. 275+50 TO 275+69	0.08	x	18.16		x	5.33		x	1		÷	9	=	0.9
7-N	STA. 275+40 TO 275+50	0.08	x	7	9.8	x	5.33		x	1		÷	9	=	0.4
4-PS	STA. 273+83 TO 275+43	0.08	x	153.3		x	5.5		x	1		÷	9	=	7.5
8-N	STA. 273+66 TO 273+87	0.08	x	16.8	20.86	x	5.33		x	1		÷	9	=	0.9

PHASE 2 (PRIOR TO INTERMEDIATE COURSE)

REF #	STATION / DESCRIPTION	RATE		L			W			APPLICATIONS			C.F.		GAL.
3-C	STA. 272+98 TO 273+16	0.06	x	18.16		x	6.5		x	1		÷	9	=	0.8
5-N	STA. 273+16 TO 273+26	0.06	x	7.9	10.3	x	5.33		x	1		÷	9	=	0.3
3-PS	STA. 273+24 TO 274+76	0.06	x	150.4		x	5.5		x	1		÷	9	=	5.5
6-N	STA. 274+72 TO 274+93	0.06	x	21.2	16.8	x	5.33		x	1		÷	9	=	0.7
4-C	STA. 275+50 TO 275+69	0.06	x	18.16		x	5.33		x	1		÷	9	=	0.6
7-N	STA. 275+40 TO 275+50	0.06	x	7	9.8	x	5.33		x	1		÷	9	=	0.3
4-PS	STA. 273+83 TO 275+43	0.06	x	153.3		x	5.5		x	1		÷	9	=	5.6



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CRS:

GUE-70/77-VAR

DESCRIPTION:

PAVEMENT QUANTITIES

8-N	STA. 273+66 TO 273+87	0.06	x	16.8	20.86	x	5.33		x	1		÷	9	=	0.7
POST-PHASE 2 (PRIOR TO SURFACE COURSE)															
REF #	STATION / DESCRIPTION	RATE		AREA					APPLICATIONS		C.F.				GAL.
1-P	STA. 256+00 TO 281+00 NB MICROSTATION MEASUREMENT	0.06	x	138,977.42	x				x	1	÷	9	=		926.5
2-P	STA. 270+00 TO 309+00 SB MICROSTATION MEASUREMENT	0.06	x	164,003.20	x				x	1	÷	9	=		1093.4
TOTAL CARRIED TO GENERAL SUMMARY =															2092
ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG70-22M															
POST-PHASE 2															
REF #	STATION / DESCRIPTION	#		AREA					T		C.F.				CU YD
1-P	STA. 256+00 TO 281+00 NB MICROSTATION MEASUREMENT	1	x	138,977.42	x				x	0.125	÷	27	=		643.4
2-P	STA. 270+00 TO 309+00 SB MICROSTATION MEASUREMENT	1	x	164,003.20	x				x	0.125	÷	27	=		759.3
TOTAL CARRIED TO GENERAL SUMMARY =															1403
ITEM 441 - ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449)															
PRE-PHASE 1															
REF #	STATION / DESCRIPTION	#		L		W			T		C.F.				CU YD
	EXISTING RUMBLE STRIP AT RAMP 'C' ENTRANCE/GORE	1	x	550	x	2	x		0.0833	÷	27	=			3.4
TOTAL CARRIED TO GENERAL SUMMARY =															3

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

PHASE 1

REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		CU YD
1-C	STA. 272+49 TO 272+67	1	x	18.16		x	7		x	0.3125		÷	27	=	1.5
1-N	STA. 272+67 TO 272+89	1	x	23.18	17.8	x	6.5	7.3	x	0.3125		÷	27	=	1.6
1-PS	STA. 272+84 TO 274+35	1	x	150.8		x	6		x	0.3125		÷	27	=	10.5
2-N	STA. 274+32 TO 274+44	1	x	11.99	7.55	x	7.5		x	0.3125		÷	27	=	0.8
2-C	STA. 275+90 TO 276+09	1	x	18.16		x	7		x	0.3125		÷	27	=	1.5
3-N	STA. 275+67 TO 275+90	1	x	21.97	16.76	x	5.83		x	0.3125		÷	27	=	1.3
2-PS	STA. 274+09 TO 275+73	1	x	154.3		x	6		x	0.3125		÷	27	=	10.7
4-N	STA. 274+02 TO 274+12	1	x	10.12	7.16	x	5.83		x	0.3125		÷	27	=	0.6

PHASE 2

REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		CU YD
3-C	STA. 272+98 TO 273+16	1	x	18.16		x	6.5		x	0.3125		÷	27	=	1.4
5-N	STA. 273+16 TO 273+26	1	x	7.9	10.3	x	5.33		x	0.3125		÷	27	=	0.6
3-PS	STA. 273+24 TO 274+76	1	x	150.4		x	5.5		x	0.3125		÷	27	=	9.6
6-N	STA. 274+72 TO 274+93	1	x	21.2	16.8	x	5.33		x	0.3125		÷	27	=	1.2
4-C	STA. 275+50 TO 275+69	1	x	18.16		x	5.33		x	0.3125		÷	27	=	1.1
7-N	STA. 275+40 TO 275+50	1	x	7	9.8	x	5.33		x	0.3125		÷	27	=	0.5
4-PS	STA. 273+83 TO 275+43	1	x	153.3		x	5.5		x	0.3125		÷	27	=	9.8
8-N	STA. 273+66 TO 273+87	1	x	16.8	20.86	x	5.33		x	0.3125		÷	27	=	1.2

TOTAL CARRIED TO GENERAL SUMMARY = 54

ITEM 305 - 12" CONCRETE BASE, CLASS QC 1P, AS PER PLAN

PHASE 1

REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		SQ YD
1-N	STA. 272+67 TO 272+92	1	x	22.33	17.88	x	5.84	6.7	x			÷	9	=	14.0
2-N	STA. 274+30 TO 274+44	1	x	14.05	9.08	x	5.5		x			÷	9	=	7.1
3-N	STA. 275+67 TO 275+90	1	x	21.97	16.89	x	5.5		x			÷	9	=	11.9
4-N	STA. 274+02 TO 274+16	1	x	11.71	7.16	x	5.5		x			÷	9	=	5.8

PHASE 2

REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		SQ YD
5-N	STA. 273+16 TO 273+28	1	x	7.9	11.79	x	5		x			÷	9	=	5.5
6-N	STA. 274+72 TO 274+93	1	x	21.2	16.88	x	5		x			÷	9	=	10.6
7-N	STA. 275+39 TO 275+50	1	x	7.03	11.73	x	5		x			÷	9	=	5.2
8-N	STA. 273+66 TO 273+87	1	x	16.88	20.86	x	5		x			÷	9	=	10.5

TOTAL CARRIED TO GENERAL SUMMARY = 71



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

Department of
Transportation

CALCULATION SHEET

DATE: 5-Dec-25PID: 105490

CRS: _____

INITIALS: ELJCHECKED BY: TDF

GUE-70/77-VAR

DESCRIPTION: PAVEMENT QUANTITIES**ITEM 618 - RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)****POST-PHASE 2**

REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		MILE
1-RS	STA. 258+00 TO 273+50	1	x	1780	x		x		÷	5280	=	0.34
2-RS	STA. 256+00 TO 281+00	1	x	2530	x		x		÷	5280	=	0.48
3-RS	STA. 273+50 TO 281+00	1	x	780	x		x		÷	5280	=	0.15
4-RS	STA. 270+00 TO 309+00	1	x	3900	x		x		÷	5280	=	0.74
5-RS	STA. 270+00 TO 288+00	1	x	1690	x		x		÷	5280	=	0.32
6-RS	STA. 293+00 TO 309+00	1	x	2210	x		x		÷	5280	=	0.42
TOTAL CARRIED TO GENERAL SUMMARY =												2.45



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

CALCULATION SHEET

DATE: 5-Dec-25

PID: 105490

CRS:

DESCRIPTION:

INITIALS: ELJ

CHECKED BY: TDF

GUE-70/77-VAR

ELECTRICAL QUANTITIES

ITEM 625 - CONDUIT, 2", 725.04															
PHASE 1															
REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		FT
	LEFT BRIDGE (3002586) RAILING	1	x	202		x			x			÷	1	=	202.0
	RIGHT BRIDGE (3002616) RAILING	1	x	202		x			x			÷	1	=	202.0
TOTAL CARRIED TO GENERAL SUMMARY =														404	
ITEM 625 - PULL BOX, 725.08, 18"															
PHASE 1															
REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		EACH
3/4-PB	LEFT BRIDGE (3002586) RAILING	2	x			x			x			÷	1	=	2.0
1/2-PB	RIGHT BRIDGE (3002616) RAILING	2	x			x			x			÷	1	=	2.0
TOTAL CARRIED TO GENERAL SUMMARY =														4	
ITEM 625 - PULL BOX REMOVED															
PHASE 1															
REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		EACH
	LEFT BRIDGE (3002586) RAILING	2	x			x			x			÷	1	=	2.0
	RIGHT BRIDGE (3002616) RAILING	2	x			x			x			÷	1	=	2.0
TOTAL CARRIED TO GENERAL SUMMARY =														4	



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

Department of
Transportation

CALCULATION SHEET

DATE: 5-Dec-25

PID: 105490

CRS:

DESCRIPTION:

INITIALS: ELJ

CHECKED BY: TDF

GUE-70/77-VAR

TRAFFIC CONTROL QUANTITIES

ITEM 621 - RPM

POST-PHASE 2

REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		EACH
3-RM	NORTHBOUND LANE LINE	22	x		x		x		÷	1	=	22
5-RM	SOUTHBOUND LANE LINE	33	x		x		x		÷	1	=	33
9-RM	NORTHBOUND EXIT RAMP	16	x		x		x		÷	1	=	16
1-RM	NORTHBOUND ENTRANCE RAMP	50	x		x		x		÷	1	=	50
12-RM	SOUTHBOUND EXIT RAMP	31	x		x		x		÷	1	=	31
TOTAL CARRIED TO GENERAL SUMMARY =												152

ITEM 621 - RAISED PAVEMENT MARKER REMOVED

PRE-PHASE 1

REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		EACH
3-RM	NORTHBOUND LANE LINE	22	x		x		x		÷	1	=	22
5-RM	SOUTHBOUND LANE LINE	33	x		x		x		÷	1	=	33
9-RM	NORTHBOUND EXIT RAMP	12	x		x		x		÷	1	=	12
1-RM	NORTHBOUND ENTRANCE RAMP	16	x		x		x		÷	1	=	16
12-RM	SOUTHBOUND EXIT RAMP	18	x		x		x		÷	1	=	18
TOTAL CARRIED TO GENERAL SUMMARY =												101

ITEM 626 - BARRIER REFLECTOR, TYPE 1 (ONE WAY)

PHASE 1

REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		EACH
1-B	RIGHT PARAPET, RIGHT BRIDGE	3	x		x		x		÷	1	=	3
2-B	LEFT PARAPET, LEFT BRIDGE	3	x		x		x		÷	1	=	3

PHASE 2

REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		EACH
3-B	LEFT PARAPET, RIGHT BRIDGE	3	x		x		x		÷	1	=	3
4-B	RIGHT PARAPET, LEFT BRIDGE	3	x		x		x		÷	1	=	3

TOTAL CARRIED TO GENERAL SUMMARY = 12

ITEM 626 - BARRIER REFLECTOR, TYPE 2 (ONE WAY)

PHASE 1

REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		EACH
1-G	ALONG RAMP 'C' TO STA. 272+69 NB RT	32	x		x		x		÷	1	=	32
2-G	STA. 274+41 TO 280+09	7	x		x		x		÷	1	=	7
3-G	STA. 275+87 TO 284+70	10	x		x		x		÷	1	=	10

PHASE 2

REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		EACH
4-G	STA. 271+19 TO 273+19	3	x		x		x		÷	1	=	3
5-G	STA. 275+48 TO 272+52	3	x		x		x		÷	1	=	3

TOTAL CARRIED TO GENERAL SUMMARY = 55



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

Department of
Transportation

CALCULATION SHEET

DATE: 5-Dec-25

PID: 105490

CRS:

GUE-70/77-VAR

INITIALS: ELJ

CHECKED BY: TDF

DESCRIPTION: TRAFFIC CONTROL QUANTITIES

ITEM 630 - GROUND MOUNTED SUPPORT, NO. 3 POST, AS PER PLAN															
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.					FEET
1-4S	OBJECT MARKERS	4	x	12		x			x			÷	1	=	48.0
TOTAL CARRIED TO GENERAL SUMMARY =															48.0
ITEM 630 - SIGN, FLAT SHEET															
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.					SQ FT
1-4S	OBJECT MARKERS	4	x	3		x	1		x			÷	1	=	12.0
1-2S	BRIDGE IDENTIFICATION	2	x	1		x	1		x			÷	1	=	2
TOTAL CARRIED TO GENERAL SUMMARY =															14.0
ITEM 630 - REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL															
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.					EACH
1-4S	EXISTING OBJECT MARKERS	4	x			x			x			÷	1	=	4.0
TOTAL CARRIED TO GENERAL SUMMARY =															4.0



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

DATE: 5-Dec-25

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CRS:

INITIALS: ELJ

CHECKED BY: TDF

GUE-70/77-VAR

Department of
Transportation

CALCULATION SHEET

DESCRIPTION:

TRAFFIC CONTROL QUANTITIES

ITEM 642 - EDGE LINE, 6", TYPE 1															
POST-PHASE 2															
REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		MILE
2-RM	NORTHBOUND, WHITE	1	x	1520		x			x			÷	5280	=	0.29
6-RM	NORTHBOUND, YELLOW	1	x	2530		x			x			÷	5280	=	0.48
10-RM	NORTHBOUND EXIT RAMP, WHITE	1	x	100		x			x			÷	5280	=	0.02
9-RM	NORTHBOUND EXIT RAMP, YELLOW	1	x	400		x			x			÷	5280	=	0.08
1-RM	NB ENTRANCE RAMP, YELLOW	1	x	300		x			x			÷	5280	=	0.06
14-RM	NB ENTRANCE ACC LANE, WHITE	1	x	1620		x			x			÷	5280	=	0.31
8-RM 11-RM	SOUTHBOUND, WHITE	1	x	3130		x			x			÷	5280	=	0.59
7-RM	SOUTHBOUND, YELLOW	1	x	3900		x			x			÷	5280	=	0.74
15-RM	SOUTHBOUND EXIT RAMP, WHITE	1	x	892		x			x			÷	5280	=	0.17
12-RM	SOUTHBOUND EXIT RAMP, YELLOW	1	x	220		x			x			÷	5280	=	0.04
TOTAL CARRIED TO GENERAL SUMMARY =															2.78
ITEM 642 - LANE LINE, 6", TYPE 1															
POST-PHASE 2															
REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		MILE
3-RM	NORTHBOUND	1	x	2580		x			x			÷	5280	=	0.49
5-RM	SOUTHBOUND	1	x	3900		x			x			÷	5280	=	0.74
TOTAL CARRIED TO GENERAL SUMMARY =															1.23
ITEM 642 - CHANNELIZING LINE, 8", TYPE 1															
POST-PHASE 2															
REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		FEET
16-RM	NORTHBOUND EXIT RAMP GORE	1	x	600		x			x			÷	1	=	600.00
17-RM	NB ENTRANCE RAMP GORE / ACC LANE	1	x	1150		x			x			÷	1	=	1150.00
18-RM	SOUTHBOUND EXIT RAMP GORE	1	x	740		x			x			÷	1	=	740.00
TOTAL CARRIED TO GENERAL SUMMARY =															2490.00
ITEM 642 - DOTTED LINE, 6", TYPE 1															
POST-PHASE 2															
REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		FEET
4-RM	NB ENTRANCE ACCELERATION LANE	1	x	730		x			x			÷	1	=	730.00
13-RM	SB EXIT RAMP	1	x	220		x			x			÷	1	=	220.00
TOTAL CARRIED TO GENERAL SUMMARY =															950.00



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

DATE: 5-Dec-25

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CRS:

GUE-70/77-VAR

INITIALS: ELJ

CHECKED BY: TDF

Department of
Transportation

CALCULATION SHEET

DESCRIPTION:

LEFT BRIDGE QUANTITIES

ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (SUPERSTRUCTURE)**PHASE 1**

DESCRIPTION	#		L		W / AREA		T		C.F.		EACH
EXISTING BRIDGE PARAPET	1	x	149.40	x	3.24	x		÷	27	=	17.9
	1	x	14.5	x	3.24	x		÷	27	=	1.7
	1	x	18.50	x	3.24	x		÷	27	=	2.2
	1	x	1	x	27.21	x	0.84	÷	27	=	0.9
	1	x	1	x	35.61	x	0.84	÷	27	=	1.1
EXISTING BRIDGE DECK	1	x	1	x	229.06	x	0.84	÷	27	=	7.2

PHASE 2

DESCRIPTION	#		L		W / AREA		T		C.F.		EACH
EXISTING BRIDGE PARAPET	1	x	147.96	x	3.24	x		÷	27	=	17.8
	1	x	14.5	x	3.24	x		÷	27	=	1.7
	1	x	18.5	x	3.24	x		÷	27	=	2.2
	1	x	1	x	35.45	x	0.91	÷	27	=	1.2
	1	x	1	x	27.17	x	0.91	÷	27	=	0.9
EXISTING BRIDGE DECK	1	x	1	x	414.942	x	0.91	÷	27	=	13.9

LUMP SUM CARRIED TO GENERAL SUMMARY = LS**ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (SUBSTRUCTURE)****PHASE 1**

DESCRIPTION	#		L		W / AREA		T		C.F.		CU YD
REAR ABUTMENT WINGWALL W-2	1	x	1	x	48.15	x	1.5	÷	27	=	2.7
REAR ABUTMENT APRON WALL W-2	1	x	1	x	9.6	x	0.833	÷	27	=	0.3
FWD ABUTMENT WINGWALL W-3	1	x	1	x	58.25	x	1.5	÷	27	=	3.2
FWD ABUTMENT APRON WALL W-3	1	x	1	x	6.47	x	0.833	÷	27	=	0.2

PHASE 2

DESCRIPTION	#		L		W / AREA		T		C.F.		CU YD
REAR ABUTMENT WINGWALL W-1	1	x	1	x	68.89	x	1.500	÷	27	=	3.8
REAR ABUTMENT APRON WALL W-1	1	x	1	x	7.22	x	0.833	÷	27	=	0.2
FWD ABUTMENT WINGWALL W-4	1	x	1	x	44.68	x	1.500	÷	27	=	2.5
FWD ABUTMENT APRON WALL W-4	1	x	1	x	8.98	x	0.833	÷	27	=	0.3

TOTAL CARRIED TO GENERAL SUMMARY = 13**ITEM 503 - REMOVAL MISC.: BEAM SEAT DEBRIS**

DESCRIPTION	#		L		W		T		C.F.		EACH
BRIDGE BEAM SEATS	1	x		x		x		÷		=	1.0

LUMP SUM CARRIED TO GENERAL SUMMARY LS



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

DATE: 5-Dec-25

PID: 105490

CRS:

GUE-70/77-VAR

INITIALS: ELJ

CHECKED BY: TDF

Department of
Transportation

CALCULATION SHEET

DESCRIPTION:

LEFT BRIDGE QUANTITIES

ITEM 503 - UNCLASSIFIED EXCAVATION, AS PER PLAN (FOR REFERENCE ONLY)**PHASE 1**

DESCRIPTION	#		L			W			T			C.F.		CU YD
REAR ABUT WINGWALL W-2	0.5	x	22		x	4.5		x	5		÷	27	=	9.2
	1	x	22		x	1		x	5		÷	27	=	4.1
FWD ABUT WINGWALL W-3	0.5	x	25.5		x	3.6667		x	5		÷	27	=	9.0
	1	x	25.5		x	1		x	5		÷	27	=	4.7

PHASE 2

DESCRIPTION	#		L			W			T			C.F.		CU YD
REAR ABUT WINGWALL W-1	0.5	x	25.5		x	4.5		x	5		÷	27	=	10.6
	1	x	25.5		x	1		x	5		÷	27	=	4.7
FWD ABUT WINGWALL W-4	0.5	x	22.167		x	3.6667		x	5		÷	27	=	7.5
	1	x	22.167		x	1		x	5		÷	27	=	4.1

LUMP SUM CARRIED TO GENERAL SUMMARY**LS****ITEM 509 - GALVANIZED STEEL REINFORCEMENT**

DESCRIPTION	#		L			W			T			C.F.		EACH
SEE REINFORCMENT SCHEDULE		x			x			x			÷		=	

TOTAL CARRIED TO GENERAL SUMMARY =**ITEM 509 - NO. 4 DEFORMED GFRP REINFORCEMENT**

DESCRIPTION	#		L			W			T			C.F.		EACH
SEE REINFORCMENT SCHEDULE		x			x			x			÷		=	

TOTAL CARRIED TO GENERAL SUMMARY =**ITEM 510 - DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT****PHASE 1**

DESCRIPTION	#		L			W			T			C.F.		EACH
REAR ABUTMENT WINGWALL	10	x			x			x			÷	1	=	10
REAR ABUTMENT APRON WALL	4	x			x			x			÷	1	=	4
FWD ABUTMENT WINGWALL	14	x			x			x			÷	1	=	14
FWD ABUTMENT APRON WALL	4	x			x			x			÷	1	=	4

PHASE 2

DESCRIPTION	#		L			W			T			C.F.		EACH
REAR ABUTMENT WINGWALL	12	x			x			x			÷	1	=	12
REAR ABUTMENT APRON WALL	4	x			x			x			÷	1	=	4
FWD ABUTMENT WINGWALL	10	x			x			x			÷	1	=	10
FWD ABUTMENT APRON WALL	4	x			x			x			÷	1	=	4

TOTAL CARRIED TO GENERAL SUMMARY =**62**



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

DATE: 5-Dec-25

PID: 105490

CRS:

GUE-70/77-VAR

INITIALS: ELJ

CHECKED BY: TDF

Department of
Transportation

CALCULATION SHEET

DESCRIPTION:

LEFT BRIDGE QUANTITIES

ITEM 511 - CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE													
PHASE 1													
DESCRIPTION	#		L		W / AREA			T		C.F.			CU YD
DECK EDGE	1	x	1.0		x 266.14		x	0.8438		÷	27	=	8.3
REAR ABUT. WINGWALL CAP	1	x	14.5		x 1.8333		x	0.8438		÷	27	=	0.8
FWD. ABUT. WINGWALL CAP	1	x	18.5		x 1.8333		x	0.844		÷	27	=	1.1
PHASE 2													
DESCRIPTION	#		L		W / AREA			T		C.F.			CU YD
DECK EDGE	1	x	1.0		x 451.69		x	0.9063		÷	27	=	15.2
REAR ABUT. WINGWALL CAP	1	x	18.5		x 1.8333		x	0.9063		÷	27	=	1.1
FWD. ABUT. WINGWALL CAP	1	x	14.5		x 1.8333		x	0.9063		÷	27	=	0.9
TOTAL CARRIED TO GENERAL SUMMARY =													27
ITEM 511 - CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)													
PHASE 1													
DESCRIPTION	#		L		AREA					C.F.			CU YD
SECTION B-1	1	x	154		x 4.46		x			÷	27	=	25.4
SECTION B-1 TO SECTION D-1	2	x	10.0		x 4.46	3.73	x			÷	27	=	3.0
SECTION D-1/E-1	2	x	2.5		x 3.73		x			÷	27	=	0.7
SECTION E-1 TO SECTION F-1	2	x	1.5		x 3.73	2.890	x			÷	27	=	0.4
PHASE 2													
DESCRIPTION	#		L		AREA					C.F.			CU YD
SECTION B-1	1	x	152.5		x 4.46		x			÷	27	=	25.2
SECTION B-1 TO SECTION D-1	2	x	10.0		x 4.46	3.73	x			÷	27	=	3.0
SECTION D-1/E-1	2	x	2.5		x 3.73		x			÷	27	=	0.7
SECTION E-1 TO SECTION F-1	2	x	1.5		x 3.73	2.890	x			÷	27	=	0.4
TOTAL CARRIED TO GENERAL SUMMARY =													59



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

DATE: 5-Dec-25PID: 105490

CRS: _____

INITIALS: ELJCHECKED BY: TDFGUE-70/77-VARDepartment of
Transportation

CALCULATION SHEET

DESCRIPTION: _____

LEFT BRIDGE QUANTITIES**ITEM 511 - CLASS QC1 CONCRETE, SUBSTRUCTURE****PHASE 1**

DESCRIPTION	#		L		W		T		C.F.		CU YD
REAR ABUTMENT APRON WALL	1	x	2.5417	x	0.8333	x	3.6406	÷	27	=	0.3
REAR ABUTMENT WINGWALL	1	x	5.2	x	1.5	x	3.8073	÷	27	=	1.1
REAR ABUTMENT WINGWALL	1	x	9.3	x	1.5	x	4.5	÷	27	=	2.3
FORWARD ABUTMENT APRON WALL	1	x	1.9	x	0.8333	x	3.4218	÷	27	=	0.2
FORWARD ABUTMENT WINGWALL	1	x	18.5	x	1.5	x	3.5885	÷	27	=	3.7

PHASE 2

DESCRIPTION	#		L		W		T		C.F.		CU YD
REAR ABUTMENT APRON WALL	1	x	1.89	x	0.8333	x	3.7239	÷	27	=	0.2
REAR ABUTMENT WINGWALL	1	x	1.75	x	1.5	x	3.8906	÷	27	=	0.4
REAR ABUTMENT WINGWALL	1	x	16.8	x	1.5	x	3.8906	÷	27	=	3.6
FORWARD ABUTMENT APRON WALL	1	x	2.64	x	0.8333	x	3.5156	÷	27	=	0.3
FORWARD ABUTMENT WINGWALL	1	x	14.5	x	1.5	x	3.6823	÷	27	=	3.0

TOTAL CARRIED TO GENERAL SUMMARY =**15**



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

DATE: 5-Dec-25

PID: 105490

CRS:

INITIALS: ELJ

CHECKED BY: TDF

GUE-70/77-VAR

Department of
Transportation

CALCULATION SHEET

DESCRIPTION:

LEFT BRIDGE QUANTITIES

ITEM 512 - SEALING OF CONCRETE SURFACES (NON-EPOXY)

DESCRIPTION	#		L			W			T			C.F.		SQ YD
R.A. RT WW, EXT. FACE	0.5	x	17		x	3.81		x			÷	9	=	3.6
R.A. RT WW, CURTAIN WALL FACE	1	x	3.64		x	0.8333		x			÷	9	=	0.3
R.A. RT WW, CURT. WALL INT. FACE	1	x	3.64		x	2.5417		x			÷	9	=	1.0
R.A. RT WW, INT. FACE	1	x	3.81		x	0.6667		x			÷	9	=	0.3
R.A. LT WW, EXT. FACE	0.5	x	20.33		x	4.526		x			÷	9	=	5.1
R.A. LT WW, CURTAIN WALL FACE	1	x	3.73		x	0.8333		x			÷	9	=	0.3
R.A. LT WW, CURT. WALL INT. FACE	1	x	3.73		x	1.69		x			÷	9	=	0.7
R.A. LT WW, INT. FACE	1	x	3.89		x	0.6667		x			÷	9	=	0.3
F.A. LT WW, EXT. FACE	0.5	x	20.42		x	3.5885		x			÷	9	=	4.1
F.A. LT WW, CURTAIN WALL FACE	1	x	3.42		x	0.8333		x			÷	9	=	0.3
F.A. LT WW, CURT. WALL INT. FACE	1	x	3.42		x	1.7163		x			÷	9	=	0.7
F.A. LT WW, INT. FACE	1	x	3.59		x	0.6667		x			÷	9	=	0.3
F.A. RT WW, EXT. FACE	0.5	x	17.14		x	3.6823		x			÷	9	=	3.5
F.A. RT WW, CURTAIN WALL FACE	1	x	3.52		x	0.8333		x			÷	9	=	0.3
F.A. RT WW, CURT. WALL INT. FACE	1	x	3.52		x	2.6354		x			÷	9	=	1.0
F.A. RT WW, INT. FACE	1	x	3.68		x	0.6667		x			÷	9	=	0.3
LEFT PARAPET	1	x	154		x	8.3765		x			÷	9	=	143.3
RIGHT PARAPET	1	x	152.5		x	8.3765		x			÷	9	=	141.9
PARAPET TRANSITIONS	4	x	10		x	8.3765	8.2099	x			÷	9	=	37.0
PARAPET ENDS	4	x	2.5		x	8.2099		x			÷	9	=	9.0
	4	x	1.5		x	8.2099	8.2838	x			÷	9	=	5.0
LEFT DECK EDGE	2	x	75		x	1.6667	0.75	x			÷	9	=	20.0
RIGHT DECK EDGE	2	x	75		x	1.6667	2.6667	x			÷	9	=	36.0
TOTAL CARRIED TO GENERAL SUMMARY =														414

ITEM 512 - CONCRETE REPAIR BY EPOXY INJECTION

DESCRIPTION	#		L		W		T		C.F.		FT
REAR ABUTMENT, NO. 1	1	x	4.5	x		x		÷	1	=	4.5
REAR ABUTMENT, NO. 2	1	x	3.75	x		x		÷	1	=	3.75
FORWARD ABUTMENT, NO. 4	1	x	3.75	x		x		÷	1	=	3.75
TOTAL CARRIED TO GENERAL SUMMARY =											12

ITEM 514 - SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL

DESCRIPTION	#		L		W		T		C.F.		SQ FT
SEE PAINTING CALCS		x		x		x		÷	1	=	2737
TOTAL CARRIED TO GENERAL SUMMARY =											2737



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

DATE: 5-Dec-25

PID: 105490

CRS:

GUE-70/77-VAR

INITIALS: ELJ

CHECKED BY: TDF

Department of
Transportation

CALCULATION SHEET

DESCRIPTION:

LEFT BRIDGE QUANTITIES

ITEM 514 - FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT

DESCRIPTION	#		L		W		T		C.F.		SQ FT
SEE PAINTING CALCS		x		x			x		÷	1	= 2737
TOTAL CARRIED TO GENERAL SUMMARY =											2737

ITEM 514 - FIELD PAINTING OF EXISTING STRUCTURAL STEEL, INTERMEDIATE COAT

DESCRIPTION	#		L		W		T		C.F.		SQ FT
SEE PAINTING CALCS		x		x			x		÷	1	= 2737
TOTAL CARRIED TO GENERAL SUMMARY =											2737

ITEM 514 - FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT

DESCRIPTION	#		L		W		T		C.F.		SQ FT
SEE PAINTING CALCS		x		x			x		÷	1	= 2737
TOTAL CARRIED TO GENERAL SUMMARY =											2737

ITEM 514 - FIELD PAINTING STRUCTURAL STEEL, FINISH COAT

DESCRIPTION	#		L		W		T		C.F.		SQ FT
SEE PAINTING CALCS		x		x			x		÷	1	= 2737
TOTAL CARRIED TO GENERAL SUMMARY =											2737

ITEM 514 - GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL

DESCRIPTION	#		L		W		T		C.F.		MNHR
SEE PAINTING CALCS		x		x			x		÷	1	= 5
TOTAL CARRIED TO GENERAL SUMMARY =											5

ITEM 514 - FINAL INSPECTION REPAIR

DESCRIPTION	#		L		W		T		C.F.		EACH
SEE PAINTING CALCS		x		x			x		÷	1	= 2
TOTAL CARRIED TO GENERAL SUMMARY =											2

ITEM 516 - JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN

DESCRIPTION	#		L		W		T		C.F.		EACH
LEFT BRIDGE	1	x		x			x		÷	1	= 1.0
LUMP SUM CARRIED TO GENERAL SUMMARY											LS



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

DATE: 5-Dec-25INITIALS: ELJPID: 105490CHECKED BY: TDFCRS: GUE-70/77-VARDepartment of
Transportation

CALCULATION SHEET

DESCRIPTION: LEFT BRIDGE QUANTITIES

ITEM 518 - SCUPPER, MISC.: REPAIR													
DESCRIPTION	#		L		W		T		C.F.				EACH
SCUPPERS	6	x		x		x		÷	1	=			6
TOTAL CARRIED TO GENERAL SUMMARY =													6
ITEM 519 - PATCHING CONCRETE STRUCTURE													
DESCRIPTION	#		L		W		T		C.F.				SQ YD
FORWARD ABUTMENT, NO. 3	1.25	x	0.6	x	1.5	x		÷	1	=			1.1
TOTAL CARRIED TO GENERAL SUMMARY =													1



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

DATE: 5-Dec-25

PID: 105490

CRS:

GUE-70/77-VAR

INITIALS: ELJ

CHECKED BY: TDF

Department of
Transportation

CALCULATION SHEET

DESCRIPTION:

RIGHT BRIDGE QUANTITIES

ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (SUPERSTRUCTURE)**PHASE 1**

DESCRIPTION	#		L		W / AREA		T		C.F.		EACH
EXISTING BRIDGE PARAPET	1	x	146.09	x	3.24	x			÷	27	= 17.5
	1	x	14.5	x	3.24	x			÷	27	= 1.7
	1	x	18.50	x	3.24	x			÷	27	= 2.2
	1	x	1	x	36.82	x	0.84		÷	27	= 1.2
	1	x	1	x	29.99	x	0.84		÷	27	= 0.9
EXISTING BRIDGE DECK	1	x	1	x	400.9	x	0.86		÷	27	= 12.8

PHASE 2

DESCRIPTION	#		L		W / AREA		T		C.F.		EACH
EXISTING BRIDGE PARAPET	1	x	145.58	x	3.24	x			÷	27	= 17.5
	1	x	14.5	x	3.24	x			÷	27	= 1.7
	1	x	18.5	x	3.24	x			÷	27	= 2.2
	1	x	1	x	26.10	x	0.864		÷	27	= 0.8
	1	x	1	x	34.972	x	0.864		÷	27	= 1.1
EXISTING BRIDGE DECK	1	x	1	x	231.5	x	0.86		÷	27	= 7.4

LUMP SUM CARRIED TO GENERAL SUMMARY = LS**ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (SUBSTRUCTURE)****PHASE 1**

DESCRIPTION	#		L		W / AREA		T		C.F.		CU YD
REAR ABUTMENT WINGWALL W-6	1	x	1	x	47.37	x	1.5		÷	27	= 2.6
REAR ABUTMENT APRON WALL W-6	1	x	1	x	9.15	x	0.833		÷	27	= 0.3
FWD ABUTMENT WINGWALL W-7	1	x	1	x	61.07	x	1.5		÷	27	= 3.4
FWD ABUTMENT APRON WALL W-7	1	x	1	x	7	x	0.833		÷	27	= 0.2

PHASE 2

DESCRIPTION	#		L		W / AREA		T		C.F.		CU YD
REAR ABUTMENT WINGWALL W-5	1	x	1	x	64.59	x	1.500		÷	27	= 3.6
REAR ABUTMENT APRON WALL W-5	1	x	1	x	6.85	x	0.833		÷	27	= 0.2
FWD ABUTMENT WINGWALL W-8	1	x	1	x	56.15	x	1.500		÷	27	= 3.1
FWD ABUTMENT APRON WALL W-8	1	x	1	x	9.32	x	0.833		÷	27	= 0.3

TOTAL CARRIED TO GENERAL SUMMARY = 14**ITEM 202 - REMOVAL MISC.: BEAM SEAT DEBRIS**

DESCRIPTION	#		L		W		T		C.F.		EACH
BRIDGE BEAM SEATS	1	x		x		x			÷		= 1.0

LUMP SUM CARRIED TO GENERAL SUMMARY LS



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

DATE: 5-Dec-25

PID: 105490

CRS:

GUE-70/77-VAR

INITIALS: ELJ

CHECKED BY: TDF

Department of
Transportation

CALCULATION SHEET

DESCRIPTION:

RIGHT BRIDGE QUANTITIES

ITEM 202 - REMOVAL MISC.: TEMPORARY SUPPORT

DESCRIPTION	#		L		W		T		C.F.		EACH
STEEL PILING, ETC.	1	x		x		x		÷		=	1.0
LUMP SUM CARRIED TO GENERAL SUMMARY											LS

ITEM 503 - UNCLASSIFIED EXCAVATION, AS PER PLAN (FOR REFERENCE ONLY)**PHASE 1**

DESCRIPTION	#		L		W		T		C.F.		CU YD
REAR ABUT WINGWALL W-5	0.5	x	26.5	x	3.75	x	5	÷	27	=	9.2
	1	x	26.5	x	1	x	5	÷	27	=	5.0
FWD ABUT WINGWALL W-8	0.5	x	24	x	4.25	x	5	÷	27	=	9.0
	1	x	24	x	1	x	5	÷	27	=	4.4

PHASE 2

DESCRIPTION	#		L		W		T		C.F.		CU YD
REAR ABUT WINGWALL W-6	0.5	x	22	x	4.25	x	5	÷	27	=	8.7
	1	x	22	x	1	x	5	÷	27	=	4.1
FWD ABUT WINGWALL W-7	0.5	x	25.5	x	3.75	x	5	÷	27	=	8.9
	1	x	25.5	x	1	x	5	÷	27	=	4.7

LUMP SUM CARRIED TO GENERAL SUMMARY**LS****ITEM 509 - GALVANIZED STEEL REINFORCEMENT**

DESCRIPTION	#		L		W		T		C.F.		EACH
SEE REINFORCEMENT SCHEDULE		x		x		x		÷		=	

TOTAL CARRIED TO GENERAL SUMMARY =**ITEM 509 - NO. 4 DEFORMED GFRP REINFORCEMENT**

DESCRIPTION	#		L		W		T		C.F.		EACH
SEE REINFORCEMENT SCHEDULE		x		x		x		÷		=	

TOTAL CARRIED TO GENERAL SUMMARY =



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

DATE: 5-Dec-25

PID: 105490

CRS:

GUE-70/77-VAR

INITIALS: ELJ

CHECKED BY: TDF

Department of
Transportation

CALCULATION SHEET

DESCRIPTION:

RIGHT BRIDGE QUANTITIES

ITEM 510 - DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT

PHASE 1

DESCRIPTION	#		L		W		T		C.F.		EACH
REAR ABUTMENT WINGWALL	14	x		x		x			÷	1	= 14
REAR ABUTMENT APRON WALL	4	x		x		x			÷	1	= 4
FWD ABUTMENT WINGWALL	12	x		x		x			÷	1	= 12
FWD ABUTMENT APRON WALL	4	x		x		x			÷	1	= 4

PHASE 2

DESCRIPTION	#		L		W		T		C.F.		EACH
REAR ABUTMENT WINGWALL	10	x		x		x			÷	1	= 10
REAR ABUTMENT APRON WALL	4	x		x		x			÷	1	= 4
FWD ABUTMENT WINGWALL	14	x		x		x			÷	1	= 14
FWD ABUTMENT APRON WALL	4	x		x		x			÷	1	= 4

TOTAL CARRIED TO GENERAL SUMMARY = 66

ITEM 511 - CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE

PHASE 1

DESCRIPTION	#		L		W / AREA		T		C.F.		CU YD
DECK EDGE	1	x	1.0	x	400.86	x	0.8646		÷	27	= 12.8
REAR ABUT. WINGWALL CAP	1	x	19.5	x	1.8333	x	0.8646		÷	27	= 1.1
FWD. ABUT. WINGWALL CAP	1	x	16.5	x	1.8333	x	0.8646		÷	27	= 1.0

PHASE 2

DESCRIPTION	#		L		W / AREA		T		C.F.		CU YD
DECK EDGE	1	x	1.0	x	230.95	x	0.8646		÷	27	= 7.4
REAR ABUT. WINGWALL CAP	1	x	14.5	x	1.8333	x	0.8646		÷	27	= 0.9
FWD. ABUT. WINGWALL CAP	1	x	18.5	x	1.8333	x	0.8646		÷	27	= 1.1

TOTAL CARRIED TO GENERAL SUMMARY = 24

ITEM 511 - CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)

PHASE 1

DESCRIPTION	#		L		AREA				C.F.		CU YD
SECTION B-1	1	x	154.17	x	4.46	x			÷	27	= 25.5
SECTION B-1 TO SECTION D-1	2	x	10.0	x	4.46	3.73	x		÷	27	= 3.0
SECTION D-1/E-1	2	x	2.5	x	3.73		x		÷	27	= 0.7
SECTION E-1 TO SECTION F-1	2	x	1.5	x	3.73	2.890	x		÷	27	= 0.4

PHASE 2

DESCRIPTION	#		L		AREA				C.F.		CU YD
SECTION B-1	1	x	150.17	x	4.46	x			÷	27	= 24.8
SECTION B-1 TO SECTION D-1	2	x	10.0	x	4.46	3.73	x		÷	27	= 3.0
SECTION D-1/E-1	2	x	2.5	x	3.73		x		÷	27	= 0.7
SECTION E-1 TO SECTION F-1	2	x	1.5	x	3.73	2.890	x		÷	27	= 0.4

TOTAL CARRIED TO GENERAL SUMMARY = 59



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

DATE: 5-Dec-25PID: 105490

CRS: _____

INITIALS: ELJCHECKED BY: TDFGUE-70/77-VARDepartment of
Transportation

CALCULATION SHEET

DESCRIPTION: _____

RIGHT BRIDGE QUANTITIES**ITEM 511 - CLASS QC1 CONCRETE, SUBSTRUCTURE****PHASE 1**

DESCRIPTION	#		L		W		T		C.F.		CU YD
REAR ABUTMENT APRON WALL	1	x	1.8646	x	0.8333	x	3.6250	÷	27	=	0.2
REAR ABUTMENT WINGWALL	1	x	19.5	x	1.5	x	3.7917	÷	27	=	4.1
FORWARD ABUTMENT APRON WALL	1	x	2.5417	x	0.8333	x	3.6458	÷	27	=	0.3
FORWARD ABUTMENT WINGWALL	1	x	5.3333	x	1.5	x	3.8125	÷	27	=	1.1
FORWARD ABUTMENT WINGWALL	1	x	11.1667	x	1.5	x	4.3125	÷	27	=	2.7

PHASE 2

DESCRIPTION	#		L		W		T		C.F.		CU YD
REAR ABUTMENT APRON WALL	1	x	2.52	x	0.8333	x	3.6250	÷	27	=	0.3
REAR ABUTMENT WINGWALL	1	x	5.81	x	1.5	x	3.7917	÷	27	=	1.2
REAR ABUTMENT WINGWALL	1	x	9.2	x	1.5	x	4.2917	÷	27	=	2.2
FORWARD ABUTMENT APRON WALL	1	x	1.9063	x	0.8333	x	3.6458	÷	27	=	0.2
FORWARD ABUTMENT WINGWALL	1	x	18.5	x	1.5	x	3.8125	÷	27	=	3.9

TOTAL CARRIED TO GENERAL SUMMARY =**16**



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

DATE: 5-Dec-25

PID: 105490

CRS:

INITIALS: ELJ

CHECKED BY: TDF

GUE-70/77-VAR

Department of
Transportation

CALCULATION SHEET

DESCRIPTION:

RIGHT BRIDGE QUANTITIES

ITEM 512 - SEALING OF CONCRETE SURFACES (NON-EPOXY)

DESCRIPTION	#		L			W			T			C.F.		SQ YD
R.A. RT WW, EXT. FACE	0.5	x	17.02		x	4.2917		x			÷	9	=	4.1
R.A. RT WW, CURTAIN WALL FACE	1	x	3.63		x	0.8333		x			÷	9	=	0.3
R.A. RT WW, CURT. WALL INT. FACE	1	x	3.63		x	2.4896		x			÷	9	=	1.0
R.A. RT WW, INT. FACE	1	x	4.29		x	0.6667		x			÷	9	=	0.3
R.A. LT WW, EXT. FACE	0.5	x	21.36		x	3.7917		x			÷	9	=	4.5
R.A. LT WW, CURTAIN WALL FACE	1	x	3.63		x	0.8333		x			÷	9	=	0.3
R.A. LT WW, CURT. WALL INT. FACE	1	x	3.63		x	1.6718		x			÷	9	=	0.7
R.A. LT WW, INT. FACE	1	x	3.79		x	0.6667		x			÷	9	=	0.3
F.A. LT WW, EXT. FACE	0.5	x	20.41		x	3.8125		x			÷	9	=	4.3
F.A. LT WW, CURTAIN WALL FACE	1	x	3.65		x	0.8333		x			÷	9	=	0.3
F.A. LT WW, CURT. WALL INT. FACE	1	x	3.65		x	1.7003		x			÷	9	=	0.7
F.A. LT WW, INT. FACE	1	x	3.81		x	0.6667		x			÷	9	=	0.3
F.A. RT WW, EXT. FACE	0.5	x	19.04		x	4.3125		x			÷	9	=	4.6
F.A. RT WW, CURTAIN WALL FACE	1	x	3.65		x	0.8333		x			÷	9	=	0.3
F.A. RT WW, CURT. WALL INT. FACE	1	x	3.65		x	2.5417		x			÷	9	=	1.0
F.A. RT WW, INT. FACE	1	x	3.81		x	0.6667		x			÷	9	=	0.3
LEFT PARAPET	1	x	150.17		x	8.3765		x			÷	9	=	139.8
RIGHT PARAPET	1	x	154.17		x	8.3765		x			÷	9	=	143.5
PARAPET TRANSITIONS	4	x	10		x	8.3765	8.2099	x			÷	9	=	37.0
PARAPET ENDS	4	x	2.5		x	8.2099		x			÷	9	=	9.0
	4	x	1.5		x	8.2099	8.2838	x			÷	9	=	5.0
LEFT DECK EDGE	2	x	73.1		x	1.7292	0.6875	x			÷	9	=	20.0
RIGHT DECK EDGE	2	x	73.3		x	1.6667	2.5	x			÷	9	=	34.0
TOTAL CARRIED TO GENERAL SUMMARY =														412

ITEM 512 - CONCRETE REPAIR BY EPOXY INJECTION

DESCRIPTION	#		L		W		T		C.F.		FT
REAR ABUTMENT, NO. 5	1	x	5.5	x		x		÷	1	=	5.5
REAR ABUTMENT, NO. 6	1	x	5	x		x		÷	1	=	5.0
FORWARD ABUTMENT, NO. 18	1	x	2	x		x		÷	1	=	2.0
TOTAL CARRIED TO GENERAL SUMMARY =											13

ITEM 514 - SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL

DESCRIPTION	#		L		W		T		C.F.		SQ FT
SEE PAINTING CALCS		x		x		x		÷	1	=	2728
TOTAL CARRIED TO GENERAL SUMMARY =											2728



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

DATE: 5-Dec-25

PID: 105490

CRS:

GUE-70/77-VAR

INITIALS: ELJ

CHECKED BY: TDF

Department of
Transportation

CALCULATION SHEET

DESCRIPTION:

RIGHT BRIDGE QUANTITIES

ITEM 514 - FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT

DESCRIPTION	#		L		W		T		C.F.		SQ FT
SEE PAINTING CALCS		x		x			x		÷	1	= 2728
TOTAL CARRIED TO GENERAL SUMMARY =											2728

ITEM 514 - FIELD PAINTING OF EXISTING STRUCTURAL STEEL, INTERMEDIATE COAT

DESCRIPTION	#		L		W		T		C.F.		SQ FT
SEE PAINTING CALCS		x		x			x		÷	1	= 2728
TOTAL CARRIED TO GENERAL SUMMARY =											2728

ITEM 514 - FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT

DESCRIPTION	#		L		W		T		C.F.		SQ FT
SEE PAINTING CALCS		x		x			x		÷	1	= 2728
TOTAL CARRIED TO GENERAL SUMMARY =											2728

ITEM 514 - FIELD PAINTING STRUCTURAL STEEL, FINISH COAT

DESCRIPTION	#		L		W		T		C.F.		SQ FT
SEE PAINTING CALCS		x		x			x		÷	1	= 2728
TOTAL CARRIED TO GENERAL SUMMARY =											2728

ITEM 514 - GRINDING FINES, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL

DESCRIPTION	#		L		W		T		C.F.		MNHR
SEE PAINTING CALCS		x		x			x		÷	1	= 5.0
TOTAL CARRIED TO GENERAL SUMMARY =											5

ITEM 514 - FINAL INSPECTION REPAIR

DESCRIPTION	#		L		W		T		C.F.		EACH
SEE PAINTING CALCS		x		x			x		÷	1	= 2
TOTAL CARRIED TO GENERAL SUMMARY =											2

ITEM 516 - JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN

DESCRIPTION	#		L		W		T		C.F.		EACH
RIGHT BRIDGE	1	x		x			x		÷	1	= 1.0
LUMP SUM CARRIED TO GENERAL SUMMARY											LS

ITEM 518 - SCUPPER, MISC.: REPAIR

DESCRIPTION	#		L		W		T		C.F.		EACH
SCUPPERS	9	x		x			x		÷	1	= 9
TOTAL CARRIED TO GENERAL SUMMARY =											9

ITEM 519 - COMPOSITE FIBER WRAP SYSTEM

DESCRIPTION	#		L		W		T		C.F.		SQ FT
PIER 1	3	x	9.42	x	3		x		÷	1	= 85
TOTAL CARRIED TO GENERAL SUMMARY =											85



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

DATE: 5-Dec-25PID: 105490

CRS: _____

INITIALS: ELJCHECKED BY: TDF

GUE-70/77-VAR

Department of
Transportation

CALCULATION SHEET

DESCRIPTION: _____

RIGHT BRIDGE QUANTITIES

ITEM 519 - PATCHING CONCRETE STRUCTURE

DESCRIPTION	#		L			W			T			C.F.		SQ FT
REAR ABUTMENT, NO. 7	1.25	x	3		x	1		x			÷	1	=	3.8
REAR ABUTMENT, NO. 8	1.25	x	1		x	1		x			÷	1	=	1.3
REAR ABUTMENT, NO. 9	1.25	x	1.5		x	1.5		x			÷	1	=	2.8
FORWARD ABUTMENT, NO. 10	1.25	x	3		x	1.5		x			÷	1	=	5.6
FORWARD ABUTMENT, NO. 11	1.25	x	1.5		x	2.5		x			÷	1	=	4.7
FORWARD ABUTMENT, NO. 12	1.25	x	2.5		x	2.5		x			÷	1	=	7.8
FORWARD ABUTMENT, NO. 13	1.25	x	4.5		x	2		x			÷	1	=	11.3
FORWARD ABUTMENT, NO. 14-16	1.25	x	3		x	2		x			÷	1	=	7.5
FORWARD ABUTMENT, NO. 17	1.25	x	2.5		x	2.5		x			÷	1	=	7.8
FORWARD ABUTMENT, NO. 19	1.25	x	2		x	3		x			÷	1	=	7.5
FORWARD ABUTMENT, NO. 20	1.25	x	2		x	3		x			÷	1	=	7.5
FORWARD ABUTMENT, NO. 21	1.25	x	1		x	1.5		x			÷	1	=	1.9
TOTAL CARRIED TO GENERAL SUMMARY =														70

ITEM 843 - PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR

DESCRIPTION	#		L			W			T			C.F.		SQ FT
PIER 1	1.25	x	4.5		x	5		x			÷	1	=	28.1
TOTAL CARRIED TO GENERAL SUMMARY =														28



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

Department of
Transportation

CALCULATION SHEET

DATE: 5-Dec-25

PID: 105490

CRS:

DESCRIPTION:

INITIALS: ELJ

CHECKED BY: TDF

GUE-70/77-VAR

MOT QUANTITIES

ITEM 614 - LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE

PHASE 1

REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		EACH
	MOT	20	x		x		x		÷	1	=	20

PHASE 2

REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		EACH
	MOT	20	x		x		x		÷	1	=	20

TOTAL CARRIED TO GENERAL SUMMARY = 40

ITEM 614 - WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)

PHASE 1

REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		EACH
1-PCB	RAMP C, STA. 19+10	1	x		x		x		÷	1	=	1
2-PCB	STA. 277+30	1	x		x		x		÷	1	=	1

PHASE 2

REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		EACH
3-PCB	STA. 272+00	1	x		x		x		÷	1	=	1
4-PCB	STA. 277+25	1	x		x		x		÷	1	=	1

TOTAL CARRIED TO GENERAL SUMMARY = 4

ITEM 614 - WORK ZONE INCREASED PENALTIES SIGN

PHASE 1 & 2

REF #	STATION / DESCRIPTION	#		L		W		T		C.F.		EACH
	R11-H5a, STA. 218+25	2	x		x		x		÷	27	=	2
	R11-H5a, STA. 346+50	2	x		x		x		÷	27	=	2

TOTAL CARRIED TO GENERAL SUMMARY = 4



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

DATE: 5-Dec-25

PID: 105490

CRS:

INITIALS: ELJ

CHECKED BY: TDF

GUE-70/77-VAR

Department of
Transportation

CALCULATION SHEET

DESCRIPTION:

MOT QUANTITIES

ITEM 614 - BARRIER REFLECTOR, TYPE 1 (ONE-WAY)

PHASE 1

REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		EACH
1-PB	PORTABLE BARRIER	13	x			x			x			÷	9	=	13
3-B	EXISTING BRIDGE BARRIER	5	x			x			x			÷	9	=	5
2-PB	PORTABLE BARRIER	8	x			x			x			÷	9	=	8
4-B	EXISTING BRIDGE BARRIER	5	x			x			x			÷	9	=	5

PHASE 2

REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		EACH
3-PB	PORTABLE BARRIER	8	x			x			x			÷	9	=	8.0
4-PB	PORTABLE BARRIER	9	x			x			x			÷	9	=	9.0

TOTAL CARRIED TO GENERAL SUMMARY = 48

ITEM 614 - OBJECT MARKER, ONE WAY

PHASE 1

REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		EACH
1-PB	PORTABLE BARRIER	12	x			x			x			÷	1	=	12
3-B	EXISTING BRIDGE BARRIER	4	x			x			x			÷	1	=	4
2-PB	PORTABLE BARRIER	7	x			x			x			÷	1	=	7
4-B	EXISTING BRIDGE BARRIER	4	x			x			x			÷	1	=	4

PHASE 2

REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		EACH
3-PB	PORTABLE BARRIER	7	x			x			x			÷	1	=	7.0
4-PB	PORTABLE BARRIER	8	x			x			x			÷	1	=	8.0

TOTAL CARRIED TO GENERAL SUMMARY = 42



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

Department of
Transportation

CALCULATION SHEET

DATE: 5-Dec-25

PID: 105490

CRS:

INITIALS: ELJ

CHECKED BY: TDF

GUE-70/77-VAR

DESCRIPTION: MOT QUANTITIES

ITEM 614 - PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN														
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.				EACH
	3 SIGNS FOR 4 MONTHS	12	x		x			x		÷	1	=		12
TOTAL CARRIED TO GENERAL SUMMARY =														12
ITEM 614 - WORK ZONE EDGE LINE, CLASS 1, 6"														
PHASE 1														
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.				MILE
1-PM		1	x	1621	x			x		÷	5280	=		0.31
2-PM		1	x	1266	x			x		÷	5280	=		0.24
3-PM		1	x	436	x			x		÷	5280	=		0.08
4-PM		1	x	1806	x			x		÷	5280	=		0.34
5-PM		1	x	1518	x			x		÷	5280	=		0.29
PHASE 2														
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.				FT
6-PM		1	x	2035	x			x		÷	5280	=		0.4
7-PM		1	x	2119	x			x		÷	5280	=		0.4
TOTAL CARRIED TO GENERAL SUMMARY =														2.05
ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS 1, 8"														
PHASE 1														
REF #	STATION / DESCRIPTION	#		L		W		T		C.F.				FT
12-PM		1	x	518	x			x		÷	1	=		518
TOTAL CARRIED TO GENERAL SUMMARY =														518



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

Department of
Transportation

CALCULATION SHEET

DATE: 5-Dec-25

PID: 105490

CRS:

DESCRIPTION:

INITIALS: ELJ

CHECKED BY: TDF

GUE-70/77-VAR

MOT QUANTITIES

ITEM 614 - WORK ZONE DOTTED LINE, CLASS 1

PHASE 1

REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		FT
8-PM		1	x	863		x			x			÷	1	=	863
9-PM		1	x	454		x			x			÷	1	=	454
10-PM		1	x	850		x			x			÷	1	=	850

PHASE 2

REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		FT
11-PM		1	x	881		x			x			÷	1	=	881
#-PM		1	x	406		x			x			÷	1	=	406

TOTAL CARRIED TO GENERAL SUMMARY = 3454

ITEM 616 - WATER

REF #	STATION / DESCRIPTION	#		CY									C.F.		MGAL
	PER TEM 642-19	1	x	80		x			x			x	0.004	=	0.32

TOTAL CARRIED TO GENERAL SUMMARY = 1

ITEM 622 - PORTABLE BARRIER, UNANCHORED

PHASE 1

REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		FT
1-PB		1	x	636		x			x			÷	1	=	636
2-PB		1	x	372		x			x			÷	1	=	372

PHASE 2

REF #	STATION / DESCRIPTION	#		L			W			T			C.F.		FT
3-PB		1	x	348		x			x			÷	1	=	348
4-PB		1	x	408		x			x			÷	1	=	408

TOTAL CARRIED TO GENERAL SUMMARY = 1764

ITEM 808 - DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY

PHASE 1 & 2

REF #	STATION / DESCRIPTION	#		MONTHS			W			T			C.F.		SNMT
	STA. 251+50	2	x	4		x			x			÷	1	=	8
	STA. 313+00	2	x	4		x			x			÷	1	=	8
	RAMP C, STA. 15+00	1	x	4		x			x			÷	1	=	4

TOTAL CARRIED TO GENERAL SUMMARY = 20



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

DATE: 5-Dec-25

INITIALS: ELJ

PID: 105490

CHECKED BY: TDF

Department of
Transportation

CALCULATION SHEET

CRS:

GUE-70/77-VAR

DESCRIPTION:

BRIDGE QUANTITIES

ITEM 519 - COMPOSITE FIBER WRAP SYSTEM

DESCRIPTION	#		L			W			T			C.F.		SQ FT
PIER 1, PATCH 1	3	x	9.42		x	3		x			÷	1	=	84.8
PIER 1, PATCH 2	3	x	9.42		x	3		x			÷	1	=	84.8
PIER 3, PATCH 3	3	x	9.42		x	3		x			÷	1	=	84.8
TOTAL CARRIED TO GENERAL SUMMARY =														254

ITEM 519 - PATCHING CONCRETE STRUCTURE

DESCRIPTION	#		L			W			T			C.F.		SQ FT
FORWARD ABUTMENT	1.25	x	2		x	2		x			÷	1	=	5.0
PIER 3 CAP	1.25	x	3		x	1		x			÷	1	=	3.8
TOTAL CARRIED TO GENERAL SUMMARY =														9

ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN

DESCRIPTION	#		L			W			T			C.F.		SQ FT
PIER 1, PATCH 1	1.25	x	4.71		x	8		x			÷	1	=	47.1
PIER 1, PATCH 2	1.25	x	4.71		x	9		x			÷	1	=	53.0
PIER 3, PATCH 3	1.25	x	4.71		x	6		x			÷	1	=	35.3
TOTAL CARRIED TO GENERAL SUMMARY =														135



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

Department of
TransportationDATE: 5-Dec-25PID: 105490

CRS: _____

INITIALS: ELJCHECKED BY: TDFGUE-70/77-VAR

CALCULATION SHEET

DESCRIPTION: _____

BRIDGE QUANTITIES

ITEM 512 - CONCRETE REPAIR BY EPOXY INJECTION, AS PER PLAN													
DESCRIPTION	#		L		W		T		C.F.				FT
BEAM LINE 2	1	x	35		x			x			÷	1	= 35
BEAM LINE 3	1	x	33		x			x			÷	1	= 33
BEAM LINE 4	1	x	22		x			x			÷	1	= 22
TOTAL CARRIED TO GENERAL SUMMARY =													90
ITEM 516 - RESET BEARING, AS PER PLAN													
DESCRIPTION	#		L		W		T		C.F.				EACH
FWD ABUT, BEAM 2 BEARING	1	x			x			x			÷	1	= 1
TOTAL CARRIED TO GENERAL SUMMARY =													1
ITEM 516 - JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN													
DESCRIPTION	#		L		W		T		C.F.				EACH
JACKING FOR EPOXY INJECTION	1	x			x			x			÷	1	= 1
LUMP SUM CARRIED TO GENERAL SUMMARY													LS



**Department of
Transportation**



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

CALCULATION SHEET

DATE: **19-Nov-25**

INITIALS: **TDF**

PID: **105490** CHECKED BY: **ELJ**

CRS: **GUE-70/77-VAR**

DESCRIPTION: **LEFT BRIDGE PAINTING**

ITEM 514 - SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL					
Descriptions	No. Beams / X-Frames	Beam Size/ X-frames	Length (ft)	Beam/ ft ² or X-Frames/ft ²	SQ. FT.
Beams	1	W36 x 135	32.364	8.81	285.1
	1	W36 x 135	31.962	8.81	281.6
	2	W36 x 160	84.762	8.89	1507.1
	1	W36 x 135	31.135	8.81	274.3
	1	W36 x 135	30.744	8.81	270.9
Web Splice Plates (Edges)	8	0.0469	7.58333		2.8
Bottom Flange Splice Plates (Edges)	4	0.0313	7.0833		0.9
Inner Flange Splice Plates (Edges)	16	0.0313	3.375		1.7
Rocker R-100	8			3.81	30.5
Rocker R-175	4			6.17	24.7
Bolster B-175	4			6.00	24
Scuppers	6	1.57	3.5	0	32.9
TOTAL =					2737
ITEM 514 - FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT					
Descriptions	No. Beams / X-Frames	Beam Size/ X-frames	Length (ft)	Beam/ ft ² or X-Frames/ft ²	SQ. FT.
Beams	1	W36 x 135	32.364	8.81	285.1
	1	W36 x 135	31.962	8.81	281.6
	2	W36 x 160	84.762	8.89	1507.1
	1	W36 x 135	31.135	8.81	274.3
	1	W36 x 135	30.744	8.81	270.9
Web Splice Plates (Edges)	8	0.0469	7.5833		2.8
Bottom Flange Splice Plates (Edges)	4	0.0313	7.0833		0.9
Inner Flange Splice Plates (Edges)	16	0.0313	3.375		1.7
Rocker R-100	8			3.81	30.5
Rocker R-175	4			6.17	24.7
Bolster B-175	4			6.00	24
Scuppers	6	1.57	3.5		32.9
TOTAL =					2737

ITEM 514 - FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT					
Descriptions	No. Beams / X-Frames	Beam Size/ X-frames	Length (ft)	Beam/ ft ² or X-Frames/ft ²	SQ. FT.
Beams	1	W36 x 135	32.364	8.81	285.1
	1	W36 x 135	31.962	8.81	281.6
	2	W36 x 160	84.762	8.89	1507.1
	1	W36 x 135	31.135	8.81	274.3
	1	W36 x 135	30.744	8.81	270.9
Web Splice Plates (Edges)	8	0.0469	7.58333		2.8
Bottom Flange Splice Plates (Edges)	4	0.0313	7.0833		0.9
Inner Flange Splice Plates (Edges)	16	0.0313	3.375		1.7
Rocker R-100	8			3.81	30.5
Rocker R-175	4			6.17	24.7
Bolster B-175	4			6.00	24
Scuppers	6	1.57	3.50		32.9
TOTAL =					2737
ITEM 514 - FIELD PAINTING OF STRUCTURAL STEEL, FINISH COAT					
Descriptions	No. Beams / X-Frames	Beam Size/ X-frames	Length (ft)	Beam/ ft ² or X-Frames/ft ²	SQ. FT.
Beams	1	W36 x 135	32.364	8.81	285.1
	1	W36 x 135	31.962	8.81	281.6
	2	W36 x 160	84.762	8.89	1507.1
	1	W36 x 135	31.135	8.81	274.3
	1	W36 x 135	30.744	8.81	270.9
Web Splice Plates (Edges)	8	0.0469	7.58333		2.8
Bottom Flange Splice Plates (Edges)	4	0.0313	7.0833		0.9
Inner Flange Splice Plates (Edges)	16	0.0313	3.375		1.7
Rocker R-100	8			3.81	30.5
Rocker R-175	4			6.17	24.7
Bolster B-175	4			6.00	24
Scuppers	6	1.57	3.5		32.9
TOTAL =					2737

ITEM 514 - GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL					
Descriptions	No. Beams / X-Frames	Beam Size/ X-frames	Length (ft)	Total Linear (ft.)	MNHR
Beams	1	W36 x 135	32.364	32.36	0.5
	1	W36 x 135	31.962	31.96	0.5
	2	W36 x 160	84.762	169.52	2.8
	1	W36 x 135	31.135	31.14	0.5
	1	W36 x 135	30.744	30.74	0.5
TOTAL =					5
ITEM 514 - FINAL INSPECTION REPAIR					
Descriptions	No. Beams / X-Frames	Beam Size/ X-frames	Length (ft)	Total Linear (ft.)	EACH
Beam Line 1 (webs)	1		148.261	148.26	0.5
Beam Line 1 (flanges)	1		148.261	148.26	0.5
Beam Line 5 (webs)	1		147.468	147.47	0.5
Beams (flanges)	1		147.468	147.47	0.5
TOTAL =					2



Department of
Transportation



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 BRIDGE

CALCULATION SHEET

DATE: **19-Nov-25**

INITIALS: **TDF**

PID: **105490** CHECKED BY: **ELJ**

CRS: **GUE-70/77-VAR**

DESCRIPTION: **RIGHT BRIDGE PAINTING**

ITEM 514 - SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL

Descriptions	No. Beams / X-Frames	Beam Size/ X-frames	Length (ft)	Beam/ ft ² or X-Frames/ft ²	SQ. FT.
Beams	1	W36 x 135	31.25	8.81	275.3
	1	W36 x 135	31.962	8.81	281.6
	2	W36 x 170	83.767	8.92	1494.4
	1	W36 x 135	31.413	8.81	276.7
	1	W36 x 135	30.21	8.81	266.2
Web Splice Plates (Edges)	8	0.0469	7.58333		2.8
Bottom Flange Splice Plates (Edges)	4	0.0313	7.0833		0.9
Inner Flange Splice Plates (Edges)	16	0.0313	3.375		1.7
Rocker R-100	8			3.81	30.5
Rocker R-175	4			6.17	24.7
Bolster B-175	4			6.00	24
Scuppers	9	1.57	3.5		49.5
TOTAL =					2728

ITEM 514 - FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT

Descriptions	No. Beams / X-Frames	Beam Size/ X-frames	Length (ft)	Beam/ ft ² or X-Frames/ft ²	SQ. FT.
Beams	1	W36 x 135	31.25	8.81	275.3
	1	W36 x 135	31.962	8.81	281.6
	2	W36 x 170	83.767	8.92	1494.4
	1	W36 x 135	31.413	8.81	276.7
	1	W36 x 135	30.21	8.81	266.2
Web Splice Plates (Edges)	8	0.0469	7.5833		2.8
Bottom Flange Splice Plates (Edges)	4	0.0313	7.0833		0.9
Inner Flange Splice Plates (Edges)	16	0.0313	3.375		1.7
Rocker R-100	8			3.81	30.5
Rocker R-175	4			6.17	24.7
Bolster B-175	4			6.00	24
Scuppers	9	1.57	3.5		49.5
TOTAL =					2728

ITEM 514 - FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT					
Descriptions	No. Beams / X-Frames	Beam Size/ X-frames	Length (ft)	Beam/ ft ² or X-Frames/ft ²	SQ. FT.
Beams	1	W36 x 135	31.25	8.81	275.3
	1	W36 x 135	31.962	8.81	281.6
	2	W36 x 170	83.767	8.92	1494.4
	1	W36 x 135	31.413	8.81	276.7
	1	W36 x 135	30.21	8.81	266.2
Web Splice Plates (Edges)	8	0.0469	7.58333		2.8
Bottom Flange Splice Plates (Edges)	4	0.0313	7.0833		0.9
Inner Flange Splice Plates (Edges)	16	0.0313	3.375		1.7
Rocker R-100	8			3.81	30.5
Rocker R-175	4			6.17	24.7
Bolster B-175	4			6.00	24
Scuppers	9	1.57	3.5		49.5
TOTAL =					2728
ITEM 514 - FIELD PAINTING OF STRUCTURAL STEEL, FINISH COAT					
Descriptions	No. Beams / X-Frames	Beam Size/ X-frames	Length (ft)	Beam/ ft ² or X-Frames/ft ²	SQ. FT.
Beams	1	W36 x 135	31.25	8.81	275.3
	1	W36 x 135	31.962	8.81	281.6
	2	W36 x 170	83.767	8.92	1494.4
	1	W36 x 135	31.413	8.81	276.7
	1	W36 x 135	30.21	8.81	266.2
Web Splice Plates (Edges)	8	0.0469	7.58333		2.8
Bottom Flange Splice Plates (Edges)	4	0.0313	7.0833		0.9
Inner Flange Splice Plates (Edges)	16	0.0313	3.375		1.7
Rocker R-100	8			3.81	30.5
Rocker R-175	4			6.17	24.7
Bolster B-175	4			6.00	24
Scuppers	9	1.57	3.5		49.5
TOTAL =					2728

ITEM 514 - GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL					
Descriptions	No. Beams / X-Frames	Beam Size/ X-frames	Length (ft)	Total Linear (ft.)	MNHR
Beams	1	W36 x 135	31.25	31.25	0.5
	1	W36 x 135	31.962	31.96	0.5
	2	W36 x 170	83.767	167.53	2.8
	1	W36 x 135	31.413	31.41	0.5
	1	W36 x 135	30.21	30.21	0.5
TOTAL =					5
ITEM 514 - FINAL INSPECTION REPAIR					
Descriptions	No. Beams / X-Frames	Beam Size/ X-frames	Length (ft)	Total Linear (ft.)	EACH
Beam Line 1 (webs)	1		146.43	146.43	0.5
Beam Line 1 (flanges)	1		146.43	146.43	0.5
Beam Line 5 (webs)	1		145.939	145.94	0.5
Beams (flanges)	1		145.939	145.94	0.5
TOTAL =					2