PROJECT :	201939				
TASK :			PROJECT NO :	BEL-40-23.37	Michael Baker INTERNATIONAL
SUBJECT :	Bridge Estimated Quantities				
CALCULATED BY :	CDC	DATE : 3/2/2025	CHECKED BY :	DAF	DATE : 3/27/2025

CALCS

INSTRUCTIONS:

-Copy the following table for each item in Quantities tab
-Link totals in green boxes to Quantities Tab

COPY THE TABLE BELOW

51134412.1	**CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE (ALTERNATE 1: CAST IN PLACE FLOORBEAM)**				
	Units	CY			
	Not in Quantity Summary				
Cast in Place Floorbeams					
DENSITY:	150	LB/FT3			
TYPE	AREA (SF)	DEPTH (FT)	VOL (CF)	VOL (CY)	WEIGHT (KIP)
A & B	135.2	2.5	338	13	51
FLOORBEAM COUNT	11.0	EACH			

Total 137.7069 CY

QUANTITIES:

51134412.2	**0**				
	Units	0			
	Not in Quantity Summary				
Precast Floorbeams					
DENSITY:	150	LB/FT3			
TYPE	AREA (SF)	DEPTH (FT)	VOL (CF)	VOL (CY)	WEIGHT (KIP)
A & B	135.2	2.5	338	13	51
FLOORBEAM COUNT	11.0	EACH			

Total 138 0

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CALCS

20211203 **PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN**

Units LS

In Quantity Summary

Total 1 LS

51611210 **STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL**

Units FT

In Quantity Summary

All measurements from Deck Plan CAD

Pier 1 Joint Width =	43.75	ft
Pier 2 Joint Width =	43.75	ft
Pier 3 Joint Width =	43.75	ft
Pier 4 Joint Width =	43.75	ft
Pier 5 Joint Width =	43.75	ft
Pier 6 Joint Width =	43.75	ft
Pier 8 Joint Width =	51.08	ft
Pier 9 Joint Width =	51.08	ft
Pier 10 Joint Width =	51.08	ft
Forward Abutment joint Width =	51.08	ft

Total 467 FT

20222900 **APPROACH SLAB REMOVED**

Units SY

In Quantity Summary

APP SLAB AREA =	95	SY	*MEASURED IN PDF*
APP SLAB AREA =	89	SY	*MEASURED IN PDF*

Total 184 SY

PROJECT :	201939						
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Michael Baker INTERNATIONAL

CALCS

51812000 **SCUPPERS, INCLUDING SUPPORTS**

Units EACH

In Quantity Summary

FLOORBEAM	COUNT
31	2
5	2
15	2
23	2

Total 8 EACH

51646900.1 **BEARING DEVICE, MISC.: ELASTOMERIC BEARING WITH LOAD PLATE (NEOPRENE)**

Units EACH

In Quantity Summary

440	EA	*BEAMS*
4	EA	*BEARINGS PER BEAM*

Total 1760 EACH

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CALCS

51512000 **PRESTRESSED CONCRETE COMPOSITE BOX BEAM BRIDGE MEMBERS, LEVEL 1, CB12-36**

Units EACH

Not in Quantity Summary

LEFT PARAPET AREA: 3 SF

RDWY PARAPET AREA: 4.68 SF

	BEAM LENGTH	21-48 COUNT	21-36 COUNT	12-48 COUNT	12-36 COUNT	BEARING PADS (EA)
ARCH SPANS	14	0	0	0	26	104
ARCH SPANS	14.25	0	0	0	3	12
ARCH SPANS	16.25	0	0	0	2	8
ARCH SPANS	20.25	0	0	0	3	12

Total 34 EACH

51512010 **PRESTRESSED CONCRETE COMPOSITE BOX BEAM BRIDGE MEMBERS, LEVEL 1, CB12-48**

Units EACH

Not in Quantity Summary

	BEAM LENGTH	21-48 COUNT	21-36 COUNT	12-48 COUNT	12-36 COUNT	BEARING PADS (EA)
ARCH SPANS	16.25	0	0	20	0	80
ARCH SPANS	14	0	0	260	0	1040
ARCH SPANS	14.25	0	0	30	0	120
ARCH SPANS	20.25	0	0	30	0	120

Total 340 EACH

51512040 **PRESTRESSED CONCRETE COMPOSITE BOX BEAM BRIDGE MEMBERS, LEVEL 1, CB21-36**

Units EACH

Not in Quantity Summary

	BEAM LENGTH	21-48 COUNT	21-36 COUNT	12-48 COUNT	12-36 COUNT	BEARING PADS (EA)
BEAM C (B391)	31.23	0	1	0	0	4
BEAM D (B402)	33.17	0	1	0	0	4
BEAM E (B413)	37.15	0	1	0	0	4
BEAM G (B435)	44.09	0	1	0	0	4
BEAM F (B424)	45.40	0	1	0	0	4
BEAM B	46.17	0	1	0	0	4

Total 6 EACH

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CALCS

51512050 **PRESTRESSED CONCRETE COMPOSITE BOX BEAM BRIDGE MEMBERS, LEVEL 1, CB21-48**

Units EACH

Not in Quantity Summary

	BEAM LENGTH	21-48 COUNT	21-36 COUNT	12-48 COUNT	12-36 COUNT	BEARING PADS (EA)
BEAM C (B386)	23.50	1	0	0	0	4
BEAM C (B387)	24.17	1	0	0	0	4
BEAM C (B388)	25.99	1	0	0	0	4
BEAM C (B389)	27.81	1	0	0	0	4
BEAM D (B397)	29.25	1	0	0	0	4
BEAM D (B398)	29.52	1	0	0	0	4
BEAM C (B390)	29.64	1	0	0	0	4
BEAM D (B399)	30.47	1	0	0	0	4
BEAM D (E400)	31.41	1	0	0	0	4
BEAM D (B401)	32.34	1	0	0	0	4
BEAM C (B392)	32.82	1	0	0	0	4
BEAM D (B403)	34.00	1	0	0	0	4
BEAM C (B393)	34.65	1	0	0	0	4
BEAM D (B404)	34.94	1	0	0	0	4
BEAM D (B405)	35.88	1	0	0	0	4
BEAM C (B394)	36.47	1	0	0	0	4
BEAM D (B406)	36.82	1	0	0	0	4
BEAM E (B409-B412 & B141-B417)	37.15	8	0	0	0	32
BEAM D (B407) & BEAM E (B408 & B418)	37.25	3	0	0	0	12
BEAM C (B395)	38.29	1	0	0	0	4
BEAM C (B396)	39.00	1	0	0	0	4
BEAM G (B431-B434 & B436-B439)	44.09	8	0	0	0	32
BEAM G (B430 & B440)	44.17	2	0	0	0	8
BEAM F (B420-B423 & B425-B428)	45.40	8	0	0	0	32
BEAM F (B419 & B429)	45.50	2	0	0	0	8
BEAM B	46.17	10	0	0	0	40

Total 60 EACH

60132000 **ROCK CHANNEL PROTECTION, TYPE A WITH FILTER**

Units CY

In Quantity Summary

WEST BANK	1596	SF	*MEASURED IN BLUEBEAM*
EAST BANK	2063	SF	*MEASURED IN BLUEBEAM*
FACTOR TO ACCOUNT FOR 2:1 SLOPE	1.118		
THICKNESS	2	FT	

Total 304 CY

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				CALCS
52690010	**TYPE A INSTALLATION**			
	Units	FT		
	In Quantity Summary			
REAR APP SLAB	55	FT	*FROM APP SLAB SHEET*	
EAST BANK	51	FT	*FROM APP SLAB SHEET*	
		Total	106	FT
52615011	**REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=13"), AS PER PLAN**			
	Units	SY		
	In Quantity Summary			
EAST BANK	856	SF	*MEASURED IN BLUEBEAM*	
Railings & Sidewalk incidental to item				
		Total	96	SY
52625011	**REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15"), AS PER PLAN**			
	Units	SY		
	In Quantity Summary			
REAR APP SLAB	1033	SF	*MEASURED IN BLUEBEAM*	
Railings & Sidewalk incidental to item				
		Total	115	SY
51210050	**SEALING OF CONCRETE SURFACES (NON-EPOXY)**			
	Units	SY		
	In Quantity Summary			
SIDEWALK				
PERIMETER	3.850	FT		
LENGTH	1015	FT		
		Total	435	SY
51210100	**SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)**			
	Units	SY		
	In Quantity Summary			
	12246	SY	*QUANTITY IN 2010 PLANS*	
ADDED AREAS	2	FT	*ADDED WIDTH AT LEFT FASCIA*	
	2	FT	*ADDED WIDTH AT RIGHT FASCIA*	
	726.33	FT	*LENGTH LEFT FASCIA*	

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CALCS

749.83 FT *LENGTH RIGHT FASCIA*

ADDED AREAS (TOTAL) 328 SY

ITEM	EXTEN-SION	TOTAL	UNIT	DESCRIPTION	* REAR ABUTMENT	** FORWARD ABUTMENT	PIERS	ARCH RIBS & SPANDREL COLUMNS	FLOOR BEAMS AND BOX BEAMS	SUPER-STRUCTURE	*** GENERAL
512	10050	560	SQ YD	SEALING OF CONCRETE SURFACES (NON-EPOXY)						518	42
512	10100	12246	SQ YD	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	87	797	2503	4324	2037	2265	233

	ABUTMENT	PIERS	SUPERSTR.	GENERAL
ORIGINAL TOTAL	884	2503	8626	233
ADDED	0	0	328	0
	884	2503	8954	233

Total 12574 SY

60127001 **DUMPED ROCK FILL, TYPE C, AS PER PLAN**

Units CY

In Quantity Summary

UNDER SCUPPERS

AREA 19.635 SF

LOCATIONS 8 EA

Total 18 CY

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CALCS

51151512 **CLASS QC2 CONCRETE WITH QC/QA, SIDEWALK**

Units CY

In Quantity Summary

AREA	3.500	SF
LENGTH	758	FT

(DOES NOT INCLUDED APPROACH SLABS OR MOMENT SLABS)

Total 99 CY

51131612 **CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE**

Units CY

In Quantity Summary

Quantity is for composite slab atop box beams and slab beams.

See: BEL-40 Screeds.xlsx *"Deck Quantity" worksheet*

713 CY

Total 713 CY

51133412 **CLASS QC2 CONCRETE, SUPERSTRUCTURE**

Units CY

In Quantity Summary

Quantity is for Slab Span A (CIP concrete slab)

Area =	690	sf	*Measured in CAD*
Thickness=	1.50	ft	

Additional thickness at Pier 1

Area =	66	sf
Thickness in Excess of 1'-6" =	0.610	ft

Overhang at Left (SW) edge

Depth	0.76	ft
Width	1.75	ft
Length	30.44	ft

Haunches at Seats

Depth	0.417	ft
Width	2	ft
Length (RA)	46.37	ft
Length (P1)	35.67	ft

Total 44 CY

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CALCS

51153012.1 **CLASS QC2 CONCRETE, MISC.: BRIDGE DECK (PARAPET) WITH MACRO-SYNTHETIC FIBERS**

Units CY

In Quantity Summary

Includes Railing Roadway railing and SW railing for bridge limits and Moment Slab limits. Does not include sidewalk limits.

			Super		Gen	
Right (Roadway) Railing						
Area =	4.020	sf				
Length (Bridge) =	753.50	ft				
Length (Moment Slab) =	205.71	ft	112	cy	31	cy
Added Volume (Aesthetic Reveals)						
Intermediate:						
Height =	3	ft				
Area =	0.1875	sf				
Count Bridge=	43	ea				
Count Moment Slab =	13	ea	0.90	cy	0.27	cy
At Piers/Abut						
Height =	3	ft				
Area =	0.625	sf				
Count Bridge=	11	ea				
Count Moment Slab =	1	ea	0.76	cy	0.07	cy
Left (SW) Railing						
Area =	3.500	sf				
Length (Bridge) =	757.42	ft				
Length (Moment Slab) =	220.00	ft	98	cy	29	cy
Added Volume (Aesthetic Reveals)						
Intermediate:						
Height =	3.5	ft				
Area =	0.1875	sf				
Count Bridge=	40	ea				
Count Moment Slab =	14	ea	0.97	cy	0.34	cy
At Piers/Abut						
Height =	3.5	ft				
Area =	0.625	sf				
Count Bridge=	12	ea				
Count Moment Slab =	1	ea	0.97	cy	0.08	cy

Total (Super)	214	CY
Total (Gen)	60	CY

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CALCS

51153010.1 **CLASS QC1 CONCRETE, MISC.: MOMENT SLAB**

Units CY

In Quantity Summary

Moment Slab - including slab & sidewalk within retaining wall limits

Area =	10.92	sf	*Measured in CAD*
Length Left =	220.00	ft	*Measured in CAD*
Area =	6.69	sf	*Measured in CAD*
Length Right =	205.71	ft	*Measured in CAD*

Total 140 CY

51141510 **CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS**

Units CY

In Quantity Summary

Column 10

Top of cap width =	5.50	ft
Height =	1.50	ft
Length =	2.50	ft
Subtotal =	0.76	CY

Column 19

Top of cap volume =	0.76	CY
Height less cap =	11.000	ft
Width =	5.000	ft
Length =	2.000	ft
Subtotal =	4.84	CY

Column 27

Top of cap volume =	0.76	CY
Height less cap =	11.000	ft
Width =	5.000	ft
Length =	2.000	ft
Subtotal =	4.84	CY

Pier 1

Slab span side area =	136.33	SF
Width =	3.58	FT
Beam span side area =	90.72	SF
Width =	2.42	FT
Subtotal =	26.21	CY

Pier 2

21" deep beam side area =	62.02	SF
Width =	4.06	FT
12" deep beam side area =	85.75	SF
Width =	1.94	FT
Subtotal =	15.49	CY

Pier 6

21" deep beam side area =	52.32	SF
Width =	4.06	FT
12" deep beam side area =	89.95	SF
Width =	1.94	FT
Subtotal =	14.33	CY

Total 66 CY

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CALCS

51144110 **CLASS QC1 CONCRETE, ABUTMENT NOT INCLUDING FOOTING**

Units CY

In Quantity Summary

Rear & Fwd Abutment Seat Reconstructions

Rear Abutment

Southern Block			
Plan Area =	66.19	sf	
Vertical Height =	3.31	ft	*Meas. To highest point to be conserv.*
Main Section			
Plan Area =	41.99	sf	
Width =	2.24	ft	
Northern Block			
Plan Area =	21.20	sf	
Vertical Height =	2.25	ft	*Meas. To highest point to be conserv.*
Subtotal:	13.37	cy	

Fwd Abutment

Seat			
Plan Area =	50.43	sf	
Vertical Height =	2.36	ft	*Meas. To highest point to be conserv.*
Backwall			
Plan Area =	99.19	sf	
Vertical Height =	1.43	ft	
Subtotal:	9.66		

Total 23 CY

51210600 **CONCRETE REPAIR BY EPOXY INJECTION**

Units FT

In Quantity Summary

		VOID	USE DAF CALC	Sheet Total	W/ Contingency
SI002	Substructure	12	SF002	44	88
SI003	Substructure	96	Pier 2	8	16
SI004	Substructure	136	Pier 3	96	192
SI005	Substructure	28	Pier 4.1	140	281
SI006	Substructure	19	Pier 4.2	27	55
SI007	Substructure	12	Pier 5.1	19	38
SI008	Substructure		Pier 5.2	12	24
SI009	Substructure		Pier 6	0	0
SI010	Substructure		Pier 7	0	0
SI011	Substructure		Pier 8	0	0
SI012	Substructure		Pier 9	0	0
SI013	Substructure		Pier 10	0	0
	Superstructure		SI018	3	6
SI014	Substructure		SI019	1	3
SI015	Substructure		SI020	10	20
SI016	Substructure		SI021	5	10
SI017	Substructure		SI024	11	22
SI018	Substructure	3	SI025	8	16
	Superstructure		SI026	11	22
SI019	Substructure	2			
SI020	Substructure	10			
	Superstructure				
SI021	Substructure	2			
	Superstructure	3			
SI022	Substructure				
SI023	Substructure				
SI024	Substructure	11			
SI025	Substructure	8			
SI026	General	11			
Totals		353	Totals		793

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CALCS

Superstructure	3	Superstructure	6
General	11	General	88
Substructure	339	Substructure	699

Total 793 FT

51911600.1 **SPECIAL - PATCHING CONCRETE STRUCTURE: TYPE 1 REPAIR**

Units SF

In Quantity Summary

Sheet		Type 1			Sheet Total	W/ Contingency
SI002	Substructure	20	GEN	SF002	85	171
SI003	Substructure	132	PIER	Pier 2	32	64
SI004	Substructure	535	PIER	Pier 3	132	264
SI005	Substructure	7	PIER	Pier 4.1	534	1069
SI006	Substructure	150	PIER	Pier 4.2	6	13
SI007	Substructure	3	PIER	Pier 5.1	148	296
SI008	Substructure	146	PIER	Pier 5.2	3	6
SI009	Substructure	27	PIER	Pier 6	145	291
SI010	Substructure	66	PIER	Pier 7	26	53
SI011	Substructure	13	PIER	Pier 8	65	131
SI012	Substructure	14	PIER	Pier 9	13	26
SI013	Substructure		PIER	Pier 10	13	27
	Superstructure	2		SI013	2	4
SI014	Substructure	4		SI014	4	8
SI015	Substructure	4		SI015	4	8
SI016	Substructure			SI016	0	0
SI017	Substructure	23		SI017	22	45
SI018	Substructure			SI018	1	3
	Superstructure	2		SI019	18	37
SI019	Substructure	19		SI020	7	13
SI020	Substructure	7		SI021	20	41
	Superstructure	1		SI022	1	2
SI021	Substructure	19		SI023	21	42
	Superstructure	3		SI024	1	2
SI022	Substructure	1		SI025	2.7	6
SI023	Substructure	21		SI026	17.8	36
SI024	Substructure	1				
SI025	Substructure	3				
SI026	General	21				
Totals		1244		Totals		2658

Superstructure	8	Superstructure	16
General	21	General	171
Substructure	1215	Substructure	2471

Total 2658 SF

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CALCS

51911600.2 **SPECIAL - PATCHING CONCRETE STRUCTURE: TYPE 2 REPAIR**

Units SF

In Quantity Summary

USE DAF CALCS

Sheet		Type 2		Sheet Total	W/ Contingency
SI002	Substructure		SF002		0
SI003	Substructure		Pier 2		0
SI004	Substructure	4	Pier 3		0
SI005	Substructure		Pier 4.1	4	8
SI006	Substructure	150	Pier 4.2		0
SI007	Substructure		Pier 5.1	150	300
SI008	Substructure		Pier 5.2		0
SI009	Substructure		Pier 6		0
SI010	Substructure	104	Pier 7		0
SI011	Substructure	8	Pier 8	104	208
SI012	Substructure		Pier 9	8	16
SI013	Substructure		Pier 10		0
	Superstructure		SI013		0
SI014	Substructure		SI014		0
SI015	Substructure	16	SI015	15	31
SI016	Substructure		SI016		0
SI017	Substructure		SI017		0
SI018	Substructure		SI018		0
	Superstructure		SI019		0
SI019	Substructure		SI020		0
SI020	Substructure		SI021		0
	Superstructure		SI022	1	2
SI021	Substructure		SI023		0
	Superstructure		SI024		0
SI022	Substructure	1	SI025		0
SI023	Substructure		SI026		0
SI024	Substructure				
SI025	Substructure				
SI026	General				
Totals		283	Totals		565
Superstructure		0	Superstructure		0
General		0	General		0
Substructure		283	Substructure		565

Total 565 SF

51900100 **SPECIAL - COMPOSITE FIBER WRAP SYSTEM**

Units SF

In Quantity Summary

Top of Pier Struts

Pier Width	19	*ft*	
Perimeter of Top	11	*ft*	
Total SF per Pier	196	*sf*	
Total for Piers 3,4, and 5	589	*sf*	

Floorbeams

Perimeter	8	*ft*	
Length	42.50	*ft*	
Count	3	*ea*	FB's at Piers 3, 4 & 5 Only
	1020	*sf*	

Total Piers 589 SF

Total Superstr. 1020 SF

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CALCS

51642000.2 **ELASTOMERIC BEARING PAD, MISC.: 12" LENGTH x 18" WIDE x 1" THICK PLAIN ELASTOMERIC PAD**

Units EACH

In Quantity Summary

16" x 18" PLAIN ELASTOMERIC PAD AT MOMENT SLABS

Spaced at 12' max.

North Moment Slab Length = 219.98 *ft*

South Moment Slab Length = 205.48 *ft*

Req'd North = 20 ea

Req'd South = 19 ea

Total 39 EACH

51642600.1 **ELASTOMERIC BEARING PAD, MISC.: 2" x 6" PLAIN ELASTOMERIC PAD**

Units FT

In Quantity Summary

Pad at Pier 1

Length = 33 ft *Measured in CAD*

Total 33 FT

84420000 **GALVANIC ANODE PROTECTION**

Units EACH

In Quantity Summary

DAF CALCS supercede CDC Calcs

VOID Sheet:		Anodes		Sheet Total	W/ Contingency	Min. Anode spacin	number of anod	Superstructur	Super anod	Sub anodes	General
SI002	Substructure	30		85	171	0.583	294		0	294	0
SI003	Substructure	198	PIER	32	64	0.583	110		0	110	0
SI004	Substructure	809	PIER	132	264	0.583	453		0	453	0
SI005	Substructure	11	PIER	534	1069	0.583	1833		0	1833	0
SI006	Substructure	450	PIER	6	13	0.583	23		0	23	0
SI007	Substructure	5	PIER	148	296	0.583	508		0	508	0
SI008	Substructure	219	PIER	3	6	0.583	11		0	11	0
SI009	Substructure	41	PIER	145	291	0.583	499		0	499	0
SI010	Substructure	255	PIER	26	53	0.583	91		0	91	0
SI011	Substructure	32	PIER	65	131	0.583	225		0	225	0
SI012	Substructure	21	PIER	13	26	0.583	45		0	45	0
SI013	Substructure	0	PIER	13	27	0.583	47		0	47	0
	Superstructure	3		2	4	0.583	7	2	8	0	0
SI014	Substructure	6		4	8	0.583	14		0	14	0
SI015	Substructure	30		4	8	0.583	14		0	14	0
SI016	Substructure	0		0	0	0.583	0		0	0	0
SI017	Substructure	35		22	45	0.583	78		0	78	0
SI018	Substructure	0		1	3	0.583	6	1.3	6	0	0
	Superstructure	3		18	37	0.583	64		0	64	0
SI019	Substructure	29		7	13	0.583	23	0.4	2	21	0
SI020	Substructure	11		20	41	0.583	71	2.3	8	63	0
	Superstructure	2		1	2	0.583	4		0	4	0
SI021	Substructure	29		21	42	0.583	72		0	72	0
	Superstructure	5		1	2	0.583	4		0	4	0
SI022	Substructure	3		2.7	6	0.583	11		0	11	0
SI023	Substructure	32	GEN	17.8	36	0.583	62		0	0	62
SI024	Substructure	2									
SI025	Substructure	5						Total	24	4484	62
SI026	General	32									
Totals		2298									
Superstructure		13									
General		32									

PROJECT :	201939				
TASK :			PROJECT NO :	BEL-40-23.37	Michael Baker INTERNATIONAL
SUBJECT :	Bridge Estimated Quantities				
CALCULATED BY :	CDC	DATE : 3/2/2025	CHECKED BY :	DAF	DATE : 3/27/2025

CALCS

Substructure 2253

Total 4570 EACH

51010000 **DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT**

Units EACH

In Quantity Summary

Rear Abutment
Count = 112 ea

Fwd Abutment
Count = 0 ea

Total 112 EACH

50910000 **EPOXY COATED STEEL REINFORCEMENT**

Units LB

In Quantity Summary

	Abut	Pier	Superstr	General	
BEL-40 Deck Slab Rebar Table.xlsx			170687		lbs
BEL-40 Floorbeam Rebar Table.xlsx			43977		lbs
BEL-40 Column Rebar Table.xlsx		1365			lbs
BEL-40 Sleeper Slab Rebar Table.xlsx				1753	lbs
BEL-40 Railing Rebar Table.xlsx			*47077*		lbs
Plaque				80	lbs
BEL-40 Approach Slab Rebar Table.xlsx					lbs
BEL-40 Moment Slab Rebar Table.xlsx				46021	lbs
Slab span			*6669*		lbs
BEL-40 Forward Abutment Rebar Table.xlsx	2460				lbs
Abutment	2141				lbs
Pier 1		1352			lbs
	4601	2717	268410	47854	

Estimates for Substructures not Detailed Fully:

	Concrete Vol.	Density (lb/cy)	Weight
Rear Abutment =	13	150	2100
Pier 1 =	0	150	0

Total 323582 LB

50927000 **CHROMIUM STEEL REINFORCEMENT**

Units LB

In Quantity Summary

	Abut	Pier	Superstr	General
BEL-40 Floorbeam Rebar Table.xlsx			16475	

Total 16475 LB

PROJECT :	201939				
TASK :			PROJECT NO :	BEL-40-23.37	Michael Baker INTERNATIONAL
SUBJECT :	Bridge Estimated Quantities				
CALCULATED BY :	CDC	DATE : 3/2/2025	CHECKED BY :	DAF	DATE : 3/27/2025

CALCS

50930020 **NO. 4 DEFORMED GFRP REINFORCEMENT**

Units FT

In Quantity Summary

	Abut	Pier	Superstr	General	
BEL-40 Railing Rebar Table.xlsx			9155		lbs
BEL-40 Moment Slab Rebar Table.xlsx				2456	lbs
	0	0	9155	2456	

Total 9155 FT

51613600 **1" PREFORMED EXPANSION JOINT FILLER**

Units SF

In Quantity Summary

Pier 1				
	Width	0.5417	ft	
	Length	32.75	ft	
	Count	2	ea	
	Area =	35	sf	
Moment Slabs (At Exp Joints)				
Left				
	Area	14.4	sf	Measured in CAD
	Count	2		
Right				
	Area	12.3	sf	Measured in CAD
	Count	2		
	Area =	53	sf	

Total 89 SF