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Subject: Bridge No. HAM-50-29.280 Quantities		

Bridge No. HAM-50-29.280 Quantities

503 Ext.: 11101 Unit: LS
Item Description: COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN (TEMPORARY WALL 2)
Member Location :

COFFERDAMS AND EXCAVATION BRACING <u>LUMP</u>	LUMP
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Bridge No. HAM-50-29.280 Quantities

509 Ext.: 20001 Unit: LB
 Item Description: CONCRETE REINFORCEMENT, REPLACEMENT OF EXISTING CONCRETE REINFORCEMENT, AS PER PLAN
 Member Location : _____

	<u>Weight (LB)</u>		
CONCRETE REINFORCEMENT, REPLACEMENT OF EXISTING CONCRETE REINFORCEMENT, AS PER PLAN	100.00		
Total	100	100	LB
TOTAL		100	LB



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Bridge No. HAM-50-29.280 Quantities

510 Ext.: 10001 Unit: EACH
 Item Description: DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS PER PLAN
 Member Location : _____

	EACH		
<u>Right Rear Wing Footing</u>	48		
<u>Right Rear Wing</u>	56		
<u>Left Rear Wing Footing</u>	45		
<u>Left Rear Wing</u>	68		
<u>Diaphragm Guides</u>	8		
<u>Right Fwd Wing Footing</u>	45		
<u>Right Fwd Wing</u>	52		
<u>Left Fwd Wing Footing</u>	48		
<u>Left Fwd Wing</u>	70		
<u>Diaphragm Guides</u>	8		
Total	448	448	EACH
TOTAL		448	EACH



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Bridge No. HAM-50-29.280 Quantities

511 Ext.: 33501 Unit: EACH
Item Description: SEMI-INTEGRAL DIAPHRAGM GUIDE, AS PER PLAN
Member Location :

		EACH	
<u>Rear Abutment</u>		2	
<u>Forward Abutment</u>		2	
	Total	4	
			4 EACH
		TOTAL	4 EACH



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Bridge No. HAM-50-29.280 Quantities

511 Ext.: 43510 Unit: CY
 Item Description: CLASS QC1 CONCRETE, ABUTMENT INCLUDING FOOTING
 Member Location : _____

	<u>Length (FT)</u>	<u>Width (Ft)</u>	<u>Heights (Ft)</u>	<u>Volume (Cy)</u>		
Rear Abutment						
Footing R	16.75	2.29	3.25	4.62		
Footing L	14.90	2.13	3.25	3.81		
Wingwall - R						
Wingwall - R	14.95	1.92	3.39	3.60		
Wingwall - L						
Wingwall - L	19.00	1.50	4.26	4.50		
Wingwall - L	13.22	1.51	4.92	3.64		
Wingwall - R	14.95	0.43	1.00	0.24		
Wingwall - L	13.22	0.02	1.00	0.01		
Forward Abutment						
Footing R	16.75	2.10	3.25	4.24		
Footing L	14.60	2.32	3.25	4.08		
Wingwall - L						
Wingwall - L	20.50	1.50	4.14	4.71		
Wingwall - R						
Wingwall - R	14.84	1.71	4.79	4.50		
Wingwall - R	18.83	1.50	4.25	4.45		
Wingwall - L	13.05	1.80	3.49	3.04		
Wingwall - R	14.84	0.21	1.00	0.11		
Wingwall - L	13.05	0.30	1.00	0.15		
			Total	50.61	50.61	CY
			TOTAL	51	51	CY



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Bridge No. HAM-50-29.280 Quantities

511 Ext.: 53014 Unit: CY
 Item Description: CLASS QC3 CONCRETE, MISC.: CLASS QC3 CONCRETE WITH QC/QA, BRIDGE RAILING
 Member Location : _____

	<u>LENGTH (Ft)</u>	<u>Railing Area (SF)</u>	<u>Volume (Cy)</u>		
Left Bridge					
Left Parapet	208.07	4.08	31.47		
Right Parapet	189.68	6.16	43.27		
Approach Slab	2 Transitions @ 1.82 CY		3.64		
Right Bridge					
Right Parapet	209.74	4.08	31.72		
Left Parapet	189.47	6.16	43.23		
Approach Slab	2 Transitions @ 1.82 CY		3.64		
		Total	156.97	156.97	CY
TOTAL				157	CY



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Bridge No. HAM-50-29.280 Quantities

511 Ext.: 53014 Unit: CY
 Item Description: CLASS QC3 CONCRETE, MISC.: CLASS QC3 CONCRETE WITH QC/QA, BRIDGE DECK
 Member Location : _____

<u>NO.</u>	<u>Width (FT)</u>	<u>LENGTH (Ft)</u>	<u>Thickness (Ft)</u>	<u>Volume (Cy)</u>	
DECK SLAB	110.58	186.93	0.71	542.31	
Beam Haunch	7	1.01	180.25	0.22	10.74
Beam Haunch	7	1.01	181.56	0.22	10.81
			Total	563.86	563.86 CY
			TOTAL	564	CY



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Bridge No. HAM-50-29.280 Quantities

511 Ext.: 53014 Unit: CY
 Item Description: CLASS QC3 CONCRETE, MISC.: CLASS QC3 CONCRETE WITH QC/QA, DIAPHRAGMS
 Member Location : _____

	<u>Width (FT)</u>	<u>Length (Ft)</u>	<u>Thickness (Ft)</u>	<u>Volume (Cy)</u>	
Rear Diaphragm	3.75	119.33	3.86	63.95	
Forward Diaphragm	3.75	122.76	3.61	61.50	
			Total	125.45	125.45 CY
			TOTAL	126	CY



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Bridge No. HAM-50-29.280 Quantities

512 Ext.: 10100 Unit: SY
 Item Description: SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
 Member Location :

	<u>Top Elev</u>	<u>Btm Elev</u>	<u>Height (FT)</u>	<u>Length (FT)</u>	<u>Area (SY)</u>		
Rear Abutment			3.55	119.33	47.02		
Wingwall			2.15	20.58	4.91		
Wingwall			1.50	20.58	3.43		
Wingwall			2.13	19.00	4.50		
Wingwall			1.50	19.00	3.17		
Forward Abutment			3.29	122.76	44.94		
Wingwall			2.07	20.50	4.71		
Wingwall			1.50	20.50	3.42		
Wingwall			2.13	18.83	4.45		
Wingwall			1.50	18.83	3.14		
Railing Left Bridge L			9.33	188.14	195.04		
Railing Left Bridge R			5.68	189.68	119.65		
Railing Right Bridge L			5.68	189.67	119.64		
Railing Right Bridge R			9.33	189.47	196.42		
Approach slab							
Railing			8.00	40.02	35.57		
Railing end			6.81	56.00	42.37		
				Total	832.36	832.36	SY
				TOTAL	833	833	SY



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Bridge No. HAM-50-29.280 Quantities

513 Ext.: 90000 Unit: LB
 Item Description: STRUCTURAL STEEL, MISC.: MOMENT PLATE RETROFIT
 Member Location : _____

<u>Quantity</u>						
56						
	<u>Quantity</u>	<u>Thick (IN)</u>	<u>Height (IN)</u>	<u>Width (IN)</u>	<u>(LB)</u>	
5/8x10 1/2x 2'-1"	1.00	0.63	25.00	10.50	2605.25	
3/4x10 1/2x4'-2"	1.00	0.75	50.00	10.50	6252.60	
7/8x4 1/2 x 4'-2"	2.00	0.88	50.00	4.50	6252.60	
Total					15110.46	
Bolts etc					25%	3,777.62
Total					18888.08	18888 LB
TOTAL					18889	LB



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Bridge No. HAM-50-29.280 Quantities

514 Ext.: 00504 Unit: MNHR
 Item Description: GRINDING FINs, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL
 Member Location : _____

	Quantity	Length (IN)	(hr)	(hr)
Beams	56.00	74.00	5.76	6.00
Beam Ends	28.00	33.50	1.30	2.00
Total			8	8
TOTAL				8 MNHR



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516 Ext.: 44000 Unit: EACH
 Item Description: ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE)
 Member Location : (15" x 13" x 1.399" PAD WITH 14" x 16" x 0.75" LOAD PLATE)

		<u>Count</u>
		14.00
Total:		14.00
TOTAL		14 EACH



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Bridge No. HAM-50-29.280 Quantities

516 Ext.: 44000 Unit: EACH
Item Description: ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE)
Member Location : (15" x 13" x 1.439" PAD WITH 14" x 16" x 0.75" LOAD PLATE)

		<u>Count</u>
		14.00
Total:		14.00
TOTAL		14 EACH



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Bridge No. HAM-50-29.280 Quantities

516 Ext.: 44101 Unit: EACH
Item Description: ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN
Member Location : (12" x 12" x 2.908" PAD WITH 13" x 13" x 0.75" TOP AND BOTTOM LOAD PLATES AND HP SECTION)

		<u>Count</u>
		28.00
Total:		28.00
TOTAL		28 EACH



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Bridge No. HAM-50-29.280 Quantities

516 Ext.: 47001 Unit: LS
Item Description: JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN
Member Location :

		<u>Count</u>		
		LUMP	1.00	
		Total:	1.00	1.00
		TOTAL	1	LS



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Bridge No. HAM-50-29.280 Quantities

518 Ext.: 12301 Unit: EACH
Item Description: SCUPPERS, INCLUDING SUPPORTS, AS PER PLAN (TYPE A)
Member Location :

		Count
		8.00
Total:		8.00
TOTAL		8 EACH



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Bridge No. HAM-50-29.280 Quantities

518 Ext.: 12301 Unit: EACH
Item Description: SCUPPERS, INCLUDING SUPPORTS, AS PER PLAN (TYPE B)
Member Location :

		<u>Count</u>
		9.00
Total:		9.00
TOTAL		9 EACH



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Bridge No. HAM-50-29.280 Quantities

519 Ext.: 11101 Unit: SF
 Item Description: PATCHING CONCRETE STRUCTURE, AS PER PLAN
 Member Location : _____

	<u>Area (SF)</u>	
Rear Abutment	215.00	
Forward Abutment	252.00	
Pier 1	68.00	
Pier 2	29.00	
Total:	564.00	564.00
TOTAL		564 SF



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Bridge No. HAM-50-29.280 Quantities

601 Ext.: 20001 Unit: SY
Item Description: CRUSHED AGGREGATE SLOPE PROTECTION, AS PER PLAN
Member Location :

	<u>Area (SY)</u>	
	<u>100</u>	
Total:	100.00	100.00
TOTAL	100	SY