

CALCULATED BY: AI 6/2/2022  
 CHECKED BY: JS 6/2/2022

PID: 105909



ITEM	EXT	TOTAL	UNIT	DESCRIPTION
202	11203	\$ -	LS	PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN

Deck Removal	Length		ft
	Width		ft
	Total	0	sft

Abut. Backwall	Length		ft
	Height		ft
	subtotal	0	sft
	Length		ft
	Height		ft
	subtotal	0	sft
Total	0	sft	

Barrier	Length		ft
	Total	0	Lft

Safety Barrier	Length		ft
	Total	0	Lft

Sidewalk	Length		ft
	width		ft
	Total	0	ft

Median Curb	Length		ft
	width		ft
	Total	0	sft

ITEM	EXT	TOTAL	UNIT	DESCRIPTION
202	22900	245	SY	APPROACH SLAB REMOVED

20 FT APP. SLAB

Ex. Rear App. Slab	Width	55	ft
	Length	20	ft
	Total	1100	sft

Ex. FWD App. Slab	Width	55	ft
	Length	20	ft
	Total	1100	sft

Total	2200	sft	Area
	245	sy	Total
		\$/sy	Average Bid
	\$0.00	\$	Total Cost

ITEM	EXT	TOTAL	UNIT	DESCRIPTION
202	75260	306	SY	VANDAL PROTECTION FENCE REMOVED

Left VPF	Width		ft
	Length	153	ft
	Total	153	ft

Right VPF	Width	0	ft
	Length	153	ft
	Total	153	ft

Total	306	ft	Length
		sy	Total
		\$/sy	Average Bid
	\$0.00	\$	Total Cost

ITEM	EXT	TOTAL	UNIT	DESCRIPTION
511	34410	15.2	CY	CLASS QC2 CONCRETE, SUPERSTRUCTURE

Deck	PORTION OF DECK FOR EXP. JOINTS				
	Length	133.22	ft	Length (66.61 x 2) Width thickness	
	Width	2.00	ft		
	Thickness	9.75	inches		
	Volume	216.48	cft		
	Total	8.02	cy		
	Sidewalk				
	Length	24.00	ft	Length Width average 11.5" sidewalk	
	Width	2.00	ft		
	Thickness	11.50	inches		
	Volume	46.00	cft		
	Total	1.70	cy		

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Parapet	Length	8	ft	Length (only 2 ft of parapet will be rebuilt)
	Width	1	ft	width of parapet
	Height	2	ft	height of parapet
	Volume	16	cft	Area
	Total	0.59	CY	TOTAL

ROADWAY/APPROACH SIDEWALK	Length	58.42	ft	Length ALONG APP. SLAB (15.57+13.57+14.39+14.89)
	Width	4.5	ft	width of sidewalk
	Height	6	inches	thickness of sidewalk
	Volume	131.45	cft	Area
	Total	4.87	CY	TOTAL

6" MEDIAN CURB	Length		ft	Length
	Width		ft	width of median curb from 1975 plans
	Height		ft	height of median curb from 1975 plans
	Volume	0.00	cft	Area
	Total	0.00	CY	TOTAL

15.2 CY Concrete Total  
 \$/CY Cost  
 \$0.00 \$ Total Cost

ITEM	EXT	TOTAL	UNIT	DESCRIPTION
511	45710	8.9	CY	CLASS QC1 CONCRETE, ABUTMENT

Backwall	Backwall under App. Slab			
	Length	108.84	ft	Length of both abutment walls. (54.42 ft x 2)
	Width	1.25	ft	Width
	Height	1.42	ft	thickness
	Volume	192.74	cft	
	Total	7.14	cy	
	Length	20.16	ft	Length of backwall under sidewalk (5.04 ft sidewalk x 2 (two on each side))
	Width	1.25	ft	Width
	Thickness	1.88	ft	measured in CADD
	Volume	47.38	cft	
	Total	1.75	cy	
	Total	8.9	cy	

ITEM	EXT	TOTAL	UNIT	DESCRIPTION
512	10050	360.5	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)

deck side	Perimeter	5.83	ft	from toe of curb to toe of barrier (safety barrier perimeter included)
	Length	249.06	ft	barrier and sidewalk should be sealed the whole length (124.53') of the bridge deck
	Total	2904.04	sft	

app. Slab side	Perimeter	5.83	ft	perimeter of sidewalk along approach slabs
	Width	58.42	ft	Length of sidewalk and barrier on app. Slabs
	Total	340.59	sft	

Total 360.5 SY

ITEM	EXT	TOTAL	UNIT	DESCRIPTION
512	10101	227.5	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN

Bridge + App Slabs	Perimeter	3.33	ft	from toe of curb to toe of barrier (safety barrier perimeter included)
	Width	307.48	ft	barrier should be sealed the whole length of the bridge deck and approach slabs
	Total	2047.82	sft	

Total 227.5 SY

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ITEM	EXT	TOTAL	UNIT	DESCRIPTION
512	10300	36.6	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN

Bridge + App. Slab	width	2.00	ft	1' on each side of each construction joint
	Length	164.53	ft	1 construction joints along the bridge length plus approach slabs
		329.06	sft	

Total 36.6 sy

ITEM	EXT	TOTAL	UNIT	DESCRIPTION
513	10001		LS	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN

Bridge	width		ft
	Length		ft
		0.00	sft

Total 0.0 sy

ITEM	EXT	TOTAL	UNIT	DESCRIPTION
516	11210	133.0	FT	STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL

Length	133	ft	Length measure in CADD
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Total 133.0 FT

ITEM	EXT	TOTAL	UNIT	DESCRIPTION
516	46200	16.0	EACH	BEARING DEVICE, ROCKER

Length	16	ft
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Total 16.0 LS

ITEM	EXT	TOTAL	UNIT	DESCRIPTION
516	47001		LS	JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN

Length		LS
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Total LS

ITEM	EXT	TOTAL	UNIT	DESCRIPTION
SPECIAL	00100	1191	SF	SPECIAL - COMPOSITE FIBER WRAP SYSTEM

PIERS			
Area	1191	SF	Surface area of exposed columns at both piers

Total 1191 CY

ITEM	EXT	TOTAL	UNIT	DESCRIPTION
519	11101	480	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN

PIERS			
Area	480	SF	Field Measured

Total 480 CY

ITEM	EXT	TOTAL	UNIT	DESCRIPTION
526	98100	245	SY	APPROACH SLABS, MISC.: REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=14")

20 FT APP. SLAB			
Length	40	ft	
Width	55	ft	
Area	2200	sft	
Total	245	sy	

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ITEM	EXT	TOTAL	UNIT	DESCRIPTION
607	39930	306	FT	VANDAL PROTECTION FENCE, 12' CURVED, COATED FABRIC

Length 306 ft

Total 306 FT

ITEM	EXT	TOTAL	UNIT	DESCRIPTION
607	39994	164	FT	TEMPORARY VANDAL FENCE, TYPE B

Length 164 ft

Total 164 FT

ITEM	EXT	TOTAL	UNIT	DESCRIPTION
622	10160	99	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE D

Length 99 ft

Total 99 FT

ITEM	EXT	TOTAL	UNIT	DESCRIPTION
845	60020	0	LS	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL

Length 0 ft

Total 0 CY

ITEM	EXT	TOTAL	UNIT	DESCRIPTION
845	61000	60	MNHR	GRINDING FINIS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL

Length 60 ft Estimated

Total 60 CY

ITEM	EXT	TOTAL	UNIT	DESCRIPTION
848	10200	742.5	SY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY USING HYDRODEMOLITION (3 1/4" THICK)

Length 742.5 SY Deck Area = (54\*123.75)/9 = 742.5 SY

Total 742.5 SY

ITEM	EXT	TOTAL	UNIT	DESCRIPTION
848	20000	742.5	SY	SURFACE PREPARATION USING HYDRODEMOLITION

Length 742.5 SY

Total 742.5 SY

ITEM	EXT	TOTAL	UNIT	DESCRIPTION
848	30200	67.0	CY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY

Length 67.03 CY = (54\*123.75\*3.25/12)/27

Total 67.0 CY

ITEM	EXT	TOTAL	UNIT	DESCRIPTION
848	50000	67	SY	HAND CHIPPING

Length 67 SY

Total 67 SY

ITEM	EXT	TOTAL	UNIT	DESCRIPTION
848	50100		LS	TEST SLAB

Length LS

Total 0 LS

ITEM	EXT	TOTAL	UNIT	DESCRIPTION
845	50200	4	CY	FULL-DEPTH REPAIR

Length 4 CY

Total 4 CY

ITEM	EXT	TOTAL	UNIT	DESCRIPTION
848	50320	742.5	SY	GRINDING FINIS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL

Length 742.5 SY

Total 742.5 SY