

STRUCTURAL GENERAL NOTES

SEQUENCE OF CONSTRUCTION/PROPOSED WORK

STAGE 1 CONSTRUCTION

PHASE B, STEP 1

1. INSTALL PHASE B, STEP 1 MOT PER PLANS
2. INSTALL PHASE B, STEP 1 TEMPORARY SHORING
3. REMOVE PHASE B, STEP 1 PORTIONS OF CONCRETE DECK, ABUTMENTS AND INTERMEDIATE CROSSFRAME BETWEEN BEAM C AND D
4. CONSTRUCT PHASE B, STEP 1 PORTIONS OF ABUTMENTS, PIERS AND BEARINGS
5. ERECT BEAM 1
6. CONSTRUCT PHASE B, STEP 1 REMAINING PORTIONS OF SUPERSTRUCTURE

PHASE B, STEP 2

7. INSTALL PHASE B, STEP 2 MOT PER PLANS
8. ADJUST TEMPORARY SHORING FOR PHASE B, STEP 2
9. REMOVE PHASE B, STEP 2 PORTIONS OF CONCRETE DECK
10. TEMPORARILY SUPPORT BEAM G AT ABUTMENTS
11. REMOVE PHASE B, STEP 2 PORTIONS OF ABUTMENTS
12. CONSTRUCT PHASE B, STEP 2 PORTIONS OF ABUTMENTS, PIERS AND BEARINGS
13. REMOVE TEMPORARY SUPPORT OF BEAM G
14. ERECT BEAMS 2 AND 3
15. CONSTRUCT PHASE B, STEP 2 CONCRETE DECK AND PARAPET
16. INSTALL NEW CROSSFRAMES
17. CONSTRUCT PHASE B, STEP 2 CONCRETE DECK CLOSURE POUR AND REMAINING PORTIONS OF SUPERSTRUCTURE
18. REMOVE TEMPORARY SHORING

STAGE 3 CONSTRUCTION

PHASE B

19. INSTALL PHASE B MOT PER PLANS
20. INSTALL PHASE B TEMPORARY SHORING
21. REMOVE PHASE B PORTIONS OF CONCRETE DECK AND INTERMEDIATE CROSS FRAME BETWEEN BEAM L AND M
22. TEMPORARILY SUPPORT BEAM N AT ABUTMENTS
23. REMOVE PHASE B PORTIONS OF ABUTMENTS
24. CONSTRUCT PHASE B PORTIONS OF ABUTMENTS, PIERS AND BEARINGS
25. REMOVE TEMPORARY SUPPORT OF BEAM N
26. ERECT BEAMS 6
27. CONSTRUCT PHASE B REMAINING PORTIONS OF SUPERSTRUCTURE

PHASE C

28. INSTALL PHASE C MOT PER PLANS
29. ADJUST TEMPORARY SHEETING FOR PHASE C
30. INSTALL PHASE C TEMPORARY SHEETING AT MEDIAN
31. REMOVE PHASE C PORTIONS OF CONCRETE DECK
32. REMOVE PHASE C PORTIONS OF ABUTMENTS
33. CONSTRUCT PHASE C PORTIONS OF ABUTMENTS, PIERS AND BEARINGS
34. ERECT BEAMS 4 AND 5
35. CONSTRUCT PHASE C CONCRETE DECK AND PARAPET
36. INSTALL NEW CROSSFRAMES
37. CONSTRUCT PHASE C CONCRETE DECK CLOSURE POUR AND REMAINING PORTIONS OF SUPERSTRUCTURE
38. REMOVE TEMPORARY SHORING

ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15"), AS PER PLAN

THE CONTRACTOR SHALL CONSTRUCT THE APPROACH SLABS PER DETAILS PROVIDED IN THE PLANS (SEE SHEETS [35] [44] THRU [37] [44]) WORK SHALL INCLUDE THE HMWM SEALER, 3" PRECOMPRESSED FOAM JOINT AND 1" P.E.J.F., THE CONSTRUCTION OF THE PARAPET/BARRIER CONCRETE, PARAPET SURFACE TREATMENT, AND ASSOCIATED REINFORCING.

PAYMENT SHALL BE INCLUDED WITH ITEM 526, REINFORCED CONCRETE APPROACH SLABS (T=15"), AS PER PLAN.

LT. STRUCT. PARTICIPATION		RT. STRUCT. PARTICIPATION		ESTIMATED QUANTITIES														AS PER PLAN	
I REHAB	II TRAC	I REHAB	II TRAC	ITEM	ITEM EXT.	LEFT STRUCT. TOTAL	RIGHT STRUCT. TOTAL	UNIT	DESCRIPTION	LEFT STRUCTURE				RIGHT STRUCTURE				STRUCT. SHT. NO.	
										SUPER	ABUT'S	PIER'S	GEN	SUPER	ABUT'S	PIER'S	GEN		
LUMP		LUMP		202	11203	LUMP SUM	LUMP SUM		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	LUMP	LUMP	LUMP		LUMP	LUMP	LUMP		3,6,7,8,9	
585		585		202	22901	585	585	SO. YD.	APPROACH SLAB REMOVED, AS PER PLAN					585				4	
LUMP	LUMP	LUMP	LUMP	503	11100	LUMP SUM	LUMP SUM		COFFERDAMS, CRIBS AND SHEETING			LUMP				LUMP			
	223		223	503	21100	223	223	CU. YD.	UNCLASSIFIED EXCAVATION		148	75			148	75			
	LUMP		LUMP	505	11100	LUMP SUM	LUMP SUM		PILE DRIVING EQUIPMENT MOBILIZATION		LUMP	LUMP			LUMP	LUMP			
		560	560	507	00100	560	560	FEET	STEEL PILES HP10x42, FURNISHED				560			560			
		480	480	507	00150	480	480	FEET	STEEL PILES HP10x42, DRIVEN				480			480			
		900	900	507	00300	900	900	FEET	STEEL PILES HP14x73, FURNISHED		900				900				
		800	800	507	00350	800	800	FEET	STEEL PILES HP14x73, DRIVEN		800				800				
54345	100927	54516	101243	509	10001	155,272	155,759	POUND	EPOXY COATED REINFORCING STEEL, AS PER PLAN	90,637	6,321	12,210	46,104	92,373	5,044	12,210	46,132	4	
250		250		509	20001	250	250	POUND	REINFORCING STEEL, REPLACEMENT OF EXISTING REINFORCING STEEL, AS PER PLAN				250				250	4	
		104	104	510	10000	104	104	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT		72	32			72	32			
111	206	111	206	511	50001	317	317	CU. YD.	CLASS HP CONCRETE, BRIDGE DECK, AS PER PLAN	317				317				4	
18	33	18	34	511	50101	51	52	CU. YD.	CLASS HP CONCRETE, BRIDGE DECK (PARAPET), AS PER PLAN	51				52				4	
	156		136	511	50201	156	136	CU. YD.	CLASS HP CONCRETE, SUBSTRUCTURE, AS PER PLAN		99	57			80	56		4, 28	
22	42	22	42	511	51001	64	64	CU. YD.	CLASS HP CONCRETE, SUPERSTRUCTURE, AS PER PLAN	64				64				4	
LUMP	LUMP	LUMP	LUMP	511	52000	LUMP SUM	LUMP SUM		CLASS HP CONCRETE, TEST SLAB	LUMP	LUMP	LUMP		LUMP	LUMP	LUMP			
316	586	288	535	512	10100	902	823	SO. YD.	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	451	97	354		375	97	351			
4	7	5	8	512	10600	11	13	FEET	CONCRETE REPAIR BY EPOXY INJECTION		11				13				
2	5	2	5	512	33000	7	7	SO. YD.	TYPE 2 WATERPROOFING		7				7				
	20470		20470	513	10201	20,470	20,470	POUND	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN	20,470				20,470				4	
	67500		67500	513	10240	67,500	67,500	POUND	STRUCTURAL STEEL MEMBERS, LEVEL 2	67,500				67,500					
374	694	374	694	513	20000	1,068	1,068	EACH	WELDED STUD SHEAR CONNECTORS	1,068				1,068					
1098	2038	1098	2038	513	20001	3,136	3,136	EACH	WELDED STUD SHEAR CONNECTORS, AS PER PLAN	3,136				3,136				21	
4	7	4	7	513	95000	11	11	FT.	STRUCTURAL STEEL, MISC.: CRACK REPAIR	11				11					
2	5	2	5	513	95030	7	7	EACH	STRUCTURAL STEEL, MISC.: NON-DESTRUCTIVE TESTING	7				7					
	3615		3615	514	00060	3,615	3,615	SO. FT.	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT	3,615				3,615					
	3615		3615	514	00066	3,615	3,615	SO. FT.	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT	3,615				3,615					
7	13	7	14	516	13600	20	21	SO. FT.	1" PREFORMED EXPANSION JOINT FILLER	20				21					
175	326	175	326	516	13900	501	501	SO. FT.	2" PREFORMED EXPANSION JOINT FILLER										
72	133	67	124	516	14021	205	191	FEET	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL, AS PER PLAN		205				191			4	
7	13	7	13	516	44000	20	20	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE 18"x19"x1.67" (NEOPRENE)			20			20				
7	13	7	13	516	44100	20	20	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE 10"x13"x2.06" (NEOPRENE)		20				20				
LUMP	LUMP	LUMP	LUMP	516	47001	LUMP SUM	LUMP SUM		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	LUMP				LUMP				3	
28	52	28	52	518	21200	80	80	CU. YD.	POROUS BACKFILL WITH FILTER FABRIC		80				80				
65	122	65	122	518	40000	187	187	FEET	6" PERFORATED CORRUGATED PLASTIC PIPE		187				187				
15	27	15	27	518	40011	42	42	FEET	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS, AS PER PLAN		42				44			11	
96	179	68	127	519	11101	275	195	SO. FT.	PATCHING CONCRETE STRUCTURE, AS PER PLAN		140	135			81	114		3	
145	269	145	269	526	25001	414	414	SO. YD.	REINFORCED CONCRETE APPROACH SLABS (T=15"), AS PER PLAN				414				414	5	
23	43	22	40	601	21001	66	62	CU. YD.	CONCRETE SLOPE PROTECTION, AS PER PLAN		66				62			17	

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ESTIMATED QUANTITIES AND STRUCTURAL GENERAL NOTES

BRIDGE NO. LAK-2-0363 L&R
STATE ROUTE 2 OVER EAST 361 ST STREET

LAK-2-3.32
PID 13486

5 / 44

(1276)
1679

DESIGNED BY: SCS
CHECKED BY: CMD

DRAWN BY: MPB
REVIEWED BY:

DATE: 5/07
STRUCTURE FILE NUMBER: 4300483LU 4300513RI

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