

RECAPITULATION OF BRIDGE QUANTITIES

Bridge No.	Station	13.62	14.20	21.30	21.38	21.42	21.43	21.57	21.59	21.60	21.61		
		345+32.29	376+50	912+53.35	916+04.19	917+30.45	917+41.88	924+76.38	49+34.28	50+05.13	927+04.97		
Item	Unit												
Class III Excavation	Cu. Yds.												
Class III Concrete	Cu. Yds.												
Class 4-A Concrete (AE)	Cu. Yds.												
Reinforcing Steel (Grade 40)	Lbs.												
Reinforcing Steel (Grade 60)	Lbs.												
Structural Steel (A-36)	Lbs.												
Structural Steel (A-103)	Lbs.												
Drain & Grates	Lbs.												
Steel Pile (10")	Lin. Ft.												
Steel Pile (12")	Lin. Ft.												
Steel Test Pile	Lin. Ft.												
Pile	Lin. Ft.												
Test Pile	Lin. Ft.												
Bearing Device	Lbs.												
Bearing Device (Alternate 1)	Lbs.												
Bearing Device (Alternate 2)	Lbs.												
Reinf. Conc. Slab (4")	Sq. Yds.												
Elastomeric Cypon Device (7/8")	Lin. Ft.												
Elastomeric Cypon Device (1 1/2")	Lin. Ft.												
Elastomeric Cypon Device (2 1/2")	Lin. Ft.												
Prestressed Conc. Beams (24"x24")	Each												
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Prestressed Conc. Beams (24"x24")	Each												
Prestressed Conc. Beams (24"x24")	Each												
Removal of Existing Structure	Lump Sum												
Linseed Oil Surf. Treatment	Sq. Yds.												
Field Office & Lab (Type C)	Each												
Trainers (Highway Constr.) (1)	Hour												
Mobilization	Lump Sum												
Traffic Control	Lump Sum												

CONCRETE DITCH LINING

Sta. to Sta.	Side	W1	W2	L1	L2	L3	Sq. Yds.	Remarks
36-87-044-1(III)(PT.I)(PH.III)								
K-36 F.Bd								
282+90	RT	26.5		20			58.57	
Total - 1(III)(PT.I)(PH.III)							58.57	
36-87-044-1(III)(PT.I)(PH.I)								
K-36 F.Bd								
247+00	RT	18.4	21.3	420	25	32.5	1004.37	
247+00	RT	21.3	19.3			50	113.85	357.00
Ramp 1								
226+90	LT	26.4		20			58.60	
Ramp 7								
227+50	RT	32.5	32.4	32.32	200	212.43	1592.50	
Total - 1(III)(PT.I)(PH.I)							3819.55	
36-87-044-1(III)(PT.II)(PH.I)								
K-36 F.Bd								
242+63.84	RT	19.3		124.17			266.41	
T-23.5								
371+80.10	RT	19.3	16.4	144.9	25	150	133.28	
374+00	RT	16.4	14.9	54	25	50	224.57	
376+29	RT						163.91	
Total - 1(III)(PT.II)(PH.I)							1234.17	
36-87-044-1(III)(PT.II)(PH.II)								
Ramp 2								
222+90	LT	22.37		20			49.71	
Ramp 3								
206+83.20	LT	15.1		264.72			444.73	No Backslope Lining
213+90	LT	16.2		20.5			172.41	
Total - 1(III)(PT.II)(PH.II)							671.85	
TOTAL 1(III)(PT.I)							58.57	
TOTAL 1(III)(PT.II)							58.57	
TOTAL 1(III)(PT.I & II)							58.57	
TOTAL 1(III)(PT.I)							4491.40	
TOTAL 1(III)(PT.II)							1234.17	
TOTAL 1(III)(PT.I & II)							5725.57	

CLASS III BARRICADE (FIXED)

Station	Side	Distance	No.	Remarks
36-87-044-1(III)(PT.I)(PH.I)				
221+40 B.K.S.	RT	20'	1	Sta. 40+00 B.M.
Total 1(III)(PT.I)			1	
Total 1(III)(PT.II)			—	
TOTAL 1(III)(PT.I & II)			1	

GLASS FIBER DITCH LINING

Sta. to Sta.	Side	Pay Width	Length	Type II
36-87-044-1(III)(PT.I)(PH.III)				
Ramp 1				
063+30	LT	30' 6"	220	257.42
872+40	LT	30' 6"	300	1028.63
Ramp 1				
874+40	RT	26' 6"	240	716.98
Total - 1(III)(PT.I)(PH.III)				2502.93
36-87-044-1(III)(PT.II)(PH.III)				
K-36 W.Bd				
203+30	LT	28' 6"	180	581.08
Total - 1(III)(PT.II)(PH.III)				581.08
36-87-044-1(III)(PT.II)(PH.I)				
Ramp 1				
243+00	LT	30' 6"	200	483.64
Ramp 2				
324+25	LT	32' 4"	235	1036.24
Total - 1(III)(PT.II)(PH.I)				1724.10
36-87-044-1(III)(PT.II)(PH.II)				
Ramp 2				
324+40	LT	32' 4"	110	409.86
Total - 1(III)(PT.II)(PH.II)				409.86
TOTAL - 1(III)(PT.I)				2502.93
TOTAL - 1(III)(PT.II)				581.08
TOTAL - 1(III)(PT.I & II)				3084.01
TOTAL - 1(III)(PT.I)				2135.98
TOTAL - 1(III)(PT.II)				—
TOTAL - 1(III)(PT.I & II)				2135.98

PIPE UNDERDRAINS (6")

Station	Side	Type	Type	Remarks
36-87-044-1(III)(PT.I)(PH.II)				
25+80	—	12		Connect to Inlet
32+39	RT	16		Connect to Inlet
42+30	RT	11		Connect to Inlet
42+54	RT	11		Connect to Inlet
55+19	LT	11		Connect to Inlet
65+45	—	9	34	Outlet Flume
Total - 1(III)(PT.I)		75	34	
Total - 1(III)(PT.II)		—	—	
TOTAL - 1(III)(PT.I & II)		75	34	

CONCRETE PAVEMENT (9" PLAIN)(AE)(4" BASE)

	9" Conc. Pav't	Portland Cement	Portland Cement	Water	MC-350
	Sq. Yds.	Sq. Yds.	Tons	M.Gals	Tons
Total - 1(III)(PT.I)	21,748	26,483	372.42	117.70	27.51
Total - 1(III)(PT.II)	5,994	7,372	103.66	32.76	7.67
TOTAL - 1(III)(PT.I & II)	27,742	33,855	476.08	150.46	35.18
Total - 1(III)(PT.I)	78,891	96,286	1354.03	427.93	100.23
Total - 1(III)(PT.II)	10,057	12,035	169.25	53.43	12.53
TOTAL - 1(III)(PT.I & II)	88,948	108,321	1523.28	481.42	112.76

EARTHWORK (FOR INFORMATION ONLY)

Sta. to Sta.	Excavation	Common	Rock	Cross-Sectional Area	* Embankment	Initial Consolidation	Settlement	Placing Select Soil	Placing Best Soil
	Cu. Yds.	VMF	Cu. Yds.	VMF					
36-87-044-1(III)(PT.I)(PH.III)									
270+00	893+24.25	470.80	95	1,363	100	234,872	5,437	6,487	24,000
Borrow Area #1	306,722	85							
Borrow Area #4	30,000	80							
36-87-044-1(III)(PT.II)(PH.III)									
205+00	390+02.22	32,752	95			230,725	4,254	5,076	60,659
Borrow Area #1	245,819	85							
36-87-044-1(III)(PT.II)(PH.I)									
227+00	248+43.84	23,731	95	1,482	100	118,240	21,807	24,018	50,617
Borrow Area #1	141,329	85							
36-87-044-1(III)(PT.II)(PH.II)									
248+38.4	326+45	15,866	95			25,760	475	567	6,112
Borrow Area #1	13,799	85							
36-87-044-1(III)(PT.II)(PH.IV)									
210+02.22	217+41.88	4,522	95			362,136	6,807	8,121	13,832
Borrow Area #1	446,797	85							
TOTALS - 1(III)(PT.I)	383,802	86	1,363	100		234,872	5,437	6,487	24,000
TOTALS - 1(III)(PT.II)	270,571	86	—	—		230,725	4,254	5,076	60,659
TOTALS - 1(III)(PT.I & II)	654,373	86				325,597	9,691	11,563	24,000
TOTALS - 1(III)(PT.I)	2,711,602	85	4,541	100		2,227,508	41,075	43,006	106,195
TOTALS - 1(III)(PT.II)	23,665	—	—	—		25,760	475	567	6,112
TOTALS - 1(III)(PT.I & II)	2,735,267	85	4,541	100		2,253,268	41,550	43,573	112,307

* See General Note on Sh. No. 17
Embankment quantities for Initial Consolidation and Settlement shown on Earthwork Quantities are subsidiary to the bid item "Embankment."