FHWA REG. NO.	State	Project No.	Fiscal Year	Sheet No.	Total Sheets
7	Kansas	96-87-044-1(11) 1(13)	1976	236	237

RECAPITULATION OF BRIDGE QUANTITIES

Item	Unit	13.62	14.20	21.30	21.38	21.42	21.43	21.57	21.59	21.60	21.61
	Station	345+32.29	376+50	912+53.35	916+04.19	917+30.45	917+41.88	924+76.38	49+94.28	50+05.18	927+04.97
Class III Excavation	Cu. Yds.										
Class AAA Concrete	Cu. Yds.										
Class A-A Concrete (AE)	Cu. Yds.										
Reinforcing Steel (Grade 40)	Lbs.										
Reinforcing Steel (Grade 60)	Lbs.										
Structural Steel (M-270)	Lbs.										
Structural Steel (M-183)	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. Riprap (4")	Sq. Yds.										
Elastomeric Expan. Device (1½")	Lin. Ft.										
Elastomeric Expan. Device (12")	Lin. Ft.										
Elastomeric Expan. Device (28")	Lin. Ft.										
Prestressed Conc. Beams (52'-2")	Each										
Prestressed Conc. Beams (53'-2")	Each										
Prestressed Conc. Beams (71'-4")	Each										
Prestressed Conc. Beams (87'-4")	Each										
Prestressed Conc. Beams (95'-4")	Each										
Removal of Prior Structure	Lump Sum										
Linseed Oil Sur. Treatment (Bridge)	Sq. Yds.										
Field Office & Lab. (Type C)	Each										
Trainees (Highway Constr.) (1)	Hour										
Mobilization	Lump Sum										
Traffic Control	Lump Sum										

CONCRETE DITCH LINING

Sta.	to Sta.	Side	W1	W2	L1	L2	L2	Sq. Yds.	Remarks
96-87-044-1(11)(PT. I)(PH. III)									
K-96 E.Bd.									
882+90	883+10	Rt.	26.5		20			58.57	
Total - 1(11)(PT. I)(PH. III)								58.57	
96-87-044-1(13)(PT. I)(PH. I)									
K-96 E.Bd.									
338+70	343+00	Rt.	18.4	21.3	430	25	325	1204.37	
343+00	348+63.84	Rt.	21.3	19.3		30	1138.4	357.00	
Ramp 1									
928+90	929+10	Lt.	26.4		20			58.60	
Ramp 7									
927+50	932+00	Rt.	32.5	32.4	37.52	200	212.48	1593.50	
Total - 1(13)(PT. I)(PH. I)								3,819.55	
96-87-044-1(13)(PT. II)(PH. I)									
K-96 E.Bd.									
343+63.84	343+80.01	Rt.	19.3		128.17			246.81	
I-235									
371+80.10	375+00	Rt.	19.3	16.4	144.9	25	150	633.28	
374+00	374+29	Rt.	16.4	14.9	52	25	50	228.37	
374+29	374+72	Rt.						169.31	
Total - 1(13)(PT. II)(PH. I)								1,294.17	
96-87-044-1(13)(PT. I)(PH. II)									
Ramp 2									
922+90	923+10	Lt.	22.37	—	20			49.71	
Ramp 3									
906+85.20	909+50	Lt.	15.1		264.72			444.79	No Backslope Lining
913+90	914+00	Lt.	16.2		10.5			177.41	
Total - 1(13)(PT. I)(PH. II)								671.85	
TOTAL 1(11)(PT. I)								58.87	
TOTAL 1(11)(PT. II)									
TOTAL 1(11)(PT. I & II)								58.87	
TOTAL 1(13)(PT. I)								4,491.40	
TOTAL 1(13)(PT. II)								1,294.17	
TOTAL 1(13)(PT. I & PT. II)								5,785.57	

CLASS III BARRICADE (FIXED)

Station	Side	Distance	No.	Remarks
96-87-044-1(11)(PT. I)(PH. I)				
921+40 ℄ K-96	Rt.	210'	1	Sta. 90+00 ℄ Med.
Total 1(13)(PT. I)			1	
Total 1(13)(PT. II)			—	
TOTAL 1(13)(PT. I & PT. II)			1	

GLASS FIBER DITCH LINING

Sta.	to Sta.	Side	Pay Width	Length	Type II Sq. Yds.
96-87-044-1(11)(PT. I)(PH. III)					
Ramp K					
865+90	868+10	Lt.	30'-6"	220	757.42
872+40	875+90	Lt.	30'-6"	300	1029.53
Ramp L					
874+40	876+80	Rt.	26'-6"	240	716.90
Total - 1(11)(PT. I)(PH. III)					2,503.85
96-87-044-1(11)(PT. II)(PH. III)					
K-96 W.Bd.					
903+30	905+10	Lt.	28'-6"	180	581.00
Total - 1(11)(PT. II)(PH. III)					581.00
96-87-044-1(13)(PT. I)(PH. I)					
Ramp I					
943+00	945+00	Lt.	30'-6"	200	688.68
Ramp O					
926+25	929+10	Lt.	32'-4"	285	1036.26
Total - 1(13)(PT. I)(PH. I)					1724.10
96-87-044-1(13)(PT. I)(PH. II)					
Ramp 7					
926+40	927+50	Lt.	32'-4"	110	409.86
Total - 1(13)(PT. I)(PH. II)					409.86
TOTAL - 1(11)(PT. I)					2,503.85
TOTAL - 1(11)(PT. II)					581.00
TOTAL - 1(11)(PT. I) & (PT. II)					3,084.01
TOTAL - 1(13)(PT. I)					2,133.96
TOTAL - 1(13)(PT. II)					—
TOTAL - 1(13)(PH. I) & (PH. II)					2,133.96

PIPE UNDERDRAINS (6")

Station	Side	Type B.O.P. Kort Lin. Ft.	Type A.E.S. Kort Lin. Ft.	Remarks
96-87-044-1(13)(PT. I)(PH. II)				
25+00	—	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+13	Lt.	11		Connect to Inlet
63+45	—	9	34	Outlet Flume
Total - 1(13)(PT. I)		75	34	
Total - 1(13)(PT. II)		—	—	
TOTAL - 1(13)(PT. I & PT. II)		75	34	

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

	9" Conc. Pav't. Sq. Yds.	Portland Cement Treated Base: P.C.T.B. Sq. Yds.	Cement Tons	Water M.Gals.	MC-250 Tons
Total - 1(11)(PT. I)	21,748	26,483	372.42	117.70	27.51
Total - 1(11)(PH. II)	5,994	7,372	103.66	32.76	7.67
TOTAL - 1(11)(PH. I) & (PH. II)	27,742	33,855	476.08	150.46	35.18
Total - 1(13)(PH. I)	78,891	96,286	1,354.03	427.93	100.23
Total - 1(13)(PH. II)	10,057	12,035	169.25	53.49	12.53
TOTAL - 1(13)(PH. I) & (PH. II)	88,948	108,321	1,523.28	481.42	112.76

EARTHWORK (FOR INFORMATION ONLY)

Sta.	to Sta.	Excavation: Common Cu. Yds.	VMF	Rock Cu. Yds.	VMF	Cross-Sectional Area	*Embankment Cu. Yds.: Initial Consolidation	Settlement	Placing Select Soil	Placing Select Soil (Anti. Pavt.)
96-87-044-1(11)(PT. I)(PH. III)										
870+00	883+89.22	47,080	.95	1,363	1.00	294,872	5,437	6,487	28,000	48,107
Borrow Area #1		324,722	.85							
Borrow Area #4		30,000	.80							
96-87-044-1(11)(PT. III)(PH. III)										
905+00	913+03.22	32,752	.95			230,725	4,254	5,076		68,659
Borrow Area #1		243,819	.85							
96-87-044-1(13)(PT. I)(PH. I)										
927+50.53	928+43.84	29,731	.95	1,682	1.00	1,182,602	21,807	26,018		52,617
Borrow Area #1		1,412,389	.85							
96-87-044-1(13)(PT. II)(PH. I)										
343+63.84	376+75	13,846	.95			25,760	475	567		6,112
Borrow Area #1		13,799	.85							
96-87-044-1(13)(PT. I)(PH. II)										
917+41.88	927+04.31	28,123	.95	2,859	1.00	673,770	12,461	14,847		35,101
Borrow Area #1		167,990	.85							
96-87-044-1(13)(PT. I)(PH. IV)										
910+09.22	917+41.88	4,522	.95			369,136	6,807	8,121		13,837
Borrow Area #1		446,797	.85							
TOTALS - 1(11)(PT. I)		383,802	.86	1,363	1.00	294,872	5,437	6,487	28,000	48,107
TOTALS - 1(11)(PT. II)		270,571	.86	—	—	230,725	4,254	5,076	—	68,659
TOTALS - 1(11)(PT. I & II)		662,373	.86			525,597	9,691	11,563	28,000	116,766
TOTALS - 1(13)(PT. I)		2,711,602	.85	4,541	1.00	2,227,508	41,075	49,006	—	106,195
TOTALS - 1(13)(PT. II)		29,665	—	—	—	25,760	475	567	—	6,112
TOTALS - 1(13)(PT. I & II)		2,741,267		4,541	1.00	2,253,268	41,550	49,573	—	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."

KANSAS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

DETAILED & TRACED ..... APPROVED ..... DATE 8/1/77
SUMMARIES TABULATED ..... CHKD. ..... CHKD. .....