FHWA REG. NO.	State	Project No.	Fiscal Year	Sheet No.	Total Sheets
7	Kansas	36-87-044 I(11) I(13)	19 76	236	557

RECAPITULATION OF BRIDGE QUANTITIES

Item	Unit	Bridge No. / Station	13.62 / 345+32.29	14.20 / 376+50	21.30 / 912+53.35	21.35 / 916+04.19	21.42 / 917+30.45	21.43 / 917+41.88	21.57 / 924+76.38	21.59 / 49+34.28	21.60 / 50+05.18	21.61 / 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 (A-36)	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 (2")	Lin. Ft.											
Elastomeric Expan. Device (2½")	Lin. Ft.											
Prestressed Conc. Beams (52'-2")	Each											
Prestressed Conc. Beams (34'-2")	Each											
Prestressed Conc. Beams (71'-4")	Each											
Prestressed Conc. Beams (87'-4")	Each											
Prestressed Conc. Beams (35'-4")	Each											
Removal of Exist. Structure	Lump Sum											
Disposal of Surface Treatment (Asphalt)	Sq. Yds.											
Field Office & Lab (Type C)	Each											
Training (Highway Constr.) (1)	Hour											
Mobilization	Lump Sum											
Traffic Control	Lump Sum											

CONCRETE DITCH LINING

Sta. to Sta.		Side	W1	We	L1	Lt	Le	Sq. Yds	Remarks
36-87-044-1(11)(PT.I)(PH.III)									
K-36 E.Bd.									
882+90	883+10	Rt	26.5		20			58.57	
Total-1(11)(PT.I)(PH.III)								58.57	
36-87-044-1(13)(PT.I)(PH.I)									
K-36 E.Bd.									
338+70	347+00	Rt	18.4	21.3	480	25	325	1208.37	
347+00	348+63.84	Rt	21.3	19.3		50	113.84	357.00	
Ramp 1									
928+90	929+10	Lt	26.4		20			58.60	
Ramp 2									
927+50	932+00	Rt	32.5	32.4	37.52	200	212.48	1593.50	
Total-1(13)(PT.I)(PH.I)								3,817.55	
36-87-044-1(13)(PT.II)(PH.I)									
K-36 E.Bd.									
348+63.84	349+80.01	Rt	19.3		123.17			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	30	129.47	
374+29	374+72	Rt						169.91	
Total-1(13)(PT.II)(PH.I)								1,179.47	
36-87-044-1(13)(PT.I)(PH.II)									
Ramp 2									
922+30	923+10	Lt	22.37	—	20			49.71	
Ramp 3									
906+82.20	909+50	Lt	13.1		268.72			444.73	No Backslope Lining
913+90	914+60	Lt	16.2		90.5			177.91	
Total-1(13)(PT.I)(PH.II)								671.85	
TOTAL 1(11)(PT.I)								58.57	
TOTAL 1(11)(PT.II)									
TOTAL 1(11)(PT.I & II)								58.57	
TOTAL 1(13)(PT.I)								4,497.40	
TOTAL 1(13)(PT.II)								1,294.17	
TOTAL 1(13)(PT.I & PT.II)								5,788.57	

CLASS III BARRICADE (FIXED)

Station	Side	Distance	No.	Remarks
36-87-044-1(11)(PT.I)(PH.I)				
921+40 & K-36	Rt.	210'	1	Sta. 921+30 & 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.
36-87-044-1(11)(PT.I)(PH.III)					
Ramp K					
865+20	868+10	Lt	30'-6"	220	745.62
872+40	875+40	Lt	30'-6"	300	1016.53
Ramp L					
874+40	876+80	Rt	26'-6"	240	706.90
Total-1(11)(PT.I)(PH.III)					2,509.25
36-87-044-1(11)(PT.II)(PH.III)					
K-36 W.Bd.					
303+30	305+10	Lt	20'-6"	180	581.00
Total-1(11)(PT.II)(PH.III)					581.00
36-87-044-1(13)(PT.I)(PH.I)					
Ramp I					
943+00	945+00	Lt	30'-6"	200	678.60
Ramp O					
926+25	929+10	Lt	32'-4"	285	1,036.26
Total-1(13)(PT.I)(PH.I)					1,714.10
36-87-044-1(13)(PT.I)(PH.II)					
Ramp J					
926+40	927+50	Lt	32'-4"	110	402.86
Total-1(13)(PT.I)(PH.II)					409.86
TOTAL-1(11)(PT.I)					2,509.25
TOTAL-1(11)(PT.II)					581.00
TOTAL-1(11)(PT.I)&(PT.II)					3,084.01
Total-1(13)(PT.I)					2,135.96
Total-1(13)(PT.II)					—
TOTAL-1(13)(PT.I)&(PT.II)					2,135.96

PIPE UNDERDRAINS (6")

Station	Side	Type B.O.P. Horl. Lin. Ft.	Type A.E.P. Horl. Lin. Ft.	Remarks
36-87-044-1(13)(PT.I)(PH.II)				
25+80	—	12		Connect to Inlet
32+39	Rt.	10		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	7.61
TOTAL-1(11)(PH.I)(PH.II)	27,742	33,855	476.08	150.46	35.38
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.	Common VMF	Rock Cu. Yds.	Rock VMF	*Embankment Cu. Yds: Cross-Sectional Area	Initial Consolidation	Settlement	Placing Select Soil	Placing Select Soil (Anc. Fills)
36-87-044-1(11)(PT.I)	(PH.III)									
880+00	883+29.28	47,080	95	1,363	100	294,872	5,437	6,487	28,000	48,107
Borrow Area #1		324,222	85							
Borrow Area #4		30,000	80							
36-87-044-1(11)(PT.II)	(PH.III)									
905+00	910+03.22	32,752	95			230,725	4,254	5,076		60,659
Borrow Area #1		245,819	85							
36-87-044-1(13)(PT.I)	(PH.I)									
922+05.31	928+43.84	23,731	95	1,682	100	118,602	21,807	26,018		50,617
Borrow Area #1		412,389	85							
36-87-044-1(13)(PT.II)	(PH.I)									
343+43.84	346+75	13,846	95			25,760	475	567		6,112
Borrow Area #1		13,799	85							
36-87-044-1(13)(Part I)	(PH.II)									
917+41.88	927+04.31	68,123	95	2,859	100	673,770	12,841	14,847		35,081
Borrow Area #1		767,990	85							
36-87-044-1(13)(PT.I)	(PH.IV)									
910+03.22	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	100	294,872	5,437	6,487	28,000	48,107
TOTALS-1(11)(PT.II)		278,571	86	—	—	230,725	4,254	5,076	—	60,659
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	100	2,227,508	41,075	49,006	—	106,135
TOTALS-1(13)(PT.II)		29,665	—	—	—	25,760	475	567	—	6,112
TOTALS-1(13)(PT.I&II)		2,741,267		4,541	100	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 9/1/77
SUMMARIES TABULATED ..... CHKD. ..... INSPD. .....