FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87 N-0092-01	1999	25	75

CURB AND GUTTER, COMBINED (AE)

FROM STATION	TO STATION	SIDE	COMBINED C & G (AE) TYPE I	COMBINED C & G (AE) TYPE II	COMBINED C & G (AE) TYPE III
1+307.930	1+352.486	Lt.	44.6		
1+352.486	1+365.386	Lt.		12.9	
1+365.386	1+382.161	Lt.	16.8		
1+382.161	5+876.360	Lt.	14.1		
1+301.543	1+304.422	Rt.	2.9		
1+304.422	1+318.265	Rt.		13.9	
1+318.265	1+381.775	Rt.	63.5		
1+381.775	5+831.330	Rt.	14.1		
5+875.410	1+422.128	Lt.	14.1		
1+422.128	1+446.206	Lt.	24.1		
1+446.206	1+461.406	Lt.		15.2	
1+461.406	1+482.480	Lt.	21.1		
1+482.480	1+497.780	Lt.		15.3	
1+497.780	1+504.161	Lt.	6.4		
1+504.161	1+517.577	Lt.		13.4	
1+517.577	1+549.300	Lt.	31.7		
5+831.394	1+425.605	Rt.	14.1		
1+425.605	1+448.044	Rt.	22.4		
1+448.044	1+463.644	Rt.		15.6	
1+463.644	1+468.211	Rt.	4.6		
1+468.211	1+483.026	Rt.		14.8	
1+483.026	1+485.604	Rt.	2.6		
1+485.604	1+503.783	Rt.		18.2	
1+503.783	1+528.657	Rt.	24.9		
5+726.757	5+756.603	Lt.	29.8		
5+756.603	5+775.246	Lt.		18.6	
5+775.246	5+831.330	Lt.	56.1		
5+726.757	5+761.672	Rt.	34.9		
5+761.672	5+780.614	Rt.		18.9	
5+780.614	5+794.490	Rt.	13.9		
5+794.490	5+805.130	Rt.		10.6	
5+805.130	5+831.394	Rt.	25.4		
5+876.360	5+885.344	Lt.	9.0		
5+885.344	5+895.844	Lt.		10.5	
5+895.844	5+905.758	Lt.	9.9		
5+905.758	5+920.458	Lt.		14.7	
5+920.458	5+926.440	Lt.	6.0		
5+926.440	5+937.740	Lt.		11.3	
5+937.740	5+955.050	Lt.	17.3		
5+955.050	5+970.274	Lt.		15.2	
5+970.274	5+993.272	Lt.	23.0		
5+875.410	5+891.124	Rt.	15.7		
5+891.124	5+911.924	Rt.		20.8	
5+911.924	5+915.084	Rt.	3.2		
5+915.084	5+935.684	Rt.		20.6	
5+935.684	5+953.533	Rt.	17.8		
5+953.533	5+975.571	Rt.		22.0	
5+975.571	5+993.272	Rt.	17.7		
1+316.454	1+381.766				132.8
1+425.605	1+479.506				109.0
TOTALS			601.7	282.5	241.8

EARTHWORK

STATION to STATION	EXCAVATION COMMON m³	EXCAVATION COMMON VMF	EXCAVATION ROCK m³	EXCAVATION ROCK VMF	COMMON (CONTR. FURN.) ϕ m³	WASTE m³	COMPACTION TYPE B MR-90 m³	THROUGH CUTS NOT SUBGRADED COMMON EXC. m³	THROUGH CUTS NOT SUBGRADED (TYPE B) (MR-90) m³	✳ EMBANKMENT m³ INITIAL CONSOL.	✳ EMBANKMENT m³ SETTLEMENT	PLACING SELECT SOIL ▲ m³
Pawnee Avenue												
1+289.075 to 1+381.775	310	.8	127			222	145					
1+425.605 to 1+549.300	226	.8	169			76	120					
Oliver Street												
5+726.757 to 5+831.394	354	.8	354			279	60					
5+876.360 to 5+993.272	533	.8	446			521	10					
Intersection	76	.8	255		140		173					
TOTALS	1499		✳✳ 1351		✳ 140	✳ 1098	508					

ϕ Assumed VMF for Contractor furnished excavation is .8 . ✳ For Information Only. Net waste will be 958 m³ ▲ See General note. ✳✳ To Be Wasted

ADJUSTMENT SUMMARY

STATION	SIDE	M.H.	AREA INLET	VALVE BOX (Water)
1+304	Lt.			1
1+398	Lt.	1		2
1+407	Lt.			1
1+409	Lt.			1
1+498	Lt.	1		
1+546	Lt.			1
5+765	Rt.			1
5+804	Rt.			1
5+901	Rt.			1
TOTAL		2	0	9

CONCRETE PAVEMENT (200 mm-Unif.) (AE)

STATION	SIDE	TYPE	WIDTH (W) m	CONC. PVMT. (200 mm-Unif.) (AE) (Reinf.) m²
1+297.679	Lt.	V. Gutter		76.30
1+310.996	Rt.	F.R.	8.0	66.79
1+358.956	Lt.	F.R	7.9	47.93
1+453.805	Lt.	F.R.	9.2	47.37
1+455.844	Rt.	F.R.	10.0	51.17
1+475.611	Rt.	F.R.	9.3	50.24
1+490.130	Lt.	F.R.	9.3	49.36
1+494.888	Rt.	R.R.	7.3	42.64
1+510.861	Lt.	F.R.	7.4	43.00
5+765.471	Lt.	F.R.	7.7	69.47
5+771.511	Rt.	F.R.	10.0	54.99
5+800.483	Rt.	F.R.	6.9	22.21
5+890.594	Lt.	F.R.	5.0	40.59
5+901.524	Rt.	F.R.	9.1	71.37
5+913.108	Lt.	F.R.	9.2	59.70
5+925.384	Rt.	F.R.	8.9	70.15
5+932.090	Lt.	F.R.	5.9	49.75
5+963.165	Lt.	F.R.	7.2	54.06
5+964.778	Rt.	V. Gutter		102.96
TOTAL				1070.05

RECAPITULATION OF ROAD QUANTITIES

ITEM	QUANTITY	UNIT
Field Office & Lab, (Type A)	1.00	Lump Sum
Mobilization	1.00	Lump Sum
Mobilization DBF	1.00	Lump Sum
Removal of Existing Structures	1.00	Lump Sum
Clearing & Grubbing	1.00	Lump Sum
Common Excavation	1499.00	Cu. m
Rock Excavation	1351.00	Cu. m
Compaction of Earthwork (Type B)(MR-90)	508.00	Cu. m
Sidewalk Construction (Special)(100 mm)(AE)	163.00	Sq. m
Sidewalk Construction (100 mm)(AE)	741.00	Sq. m
Curb & Gutter Combined (AE)	1126.00	m
Type 22 Inlet (L=1.200 m, W=1.250 m)	5.00	Each
Type II Manhole (Precast)	3.00	Each
Drop Inlet (L=1.200 m)(W=0.600 m)	1.00	Each
375 mm Storm Sewer Pipe (RCP)	24.00	m
750 mm Storm Sewer Pipe (RCP)	12.00	m
Adjustment of Manhole	2.00	Each
Paving Brick	257.00	Sq. m
Concrete Pavement (200 mm)(AE)(Reinforced)	1071.00	Sq. m
Concrete Pavement (200 mm)(NRDJ)	1411.00	Sq. m
Asphaltic Concrete Pavement (200 mm)(PG-70-28)	8743.00	Sq. m
Crushed Stone Subgrade (150 mm)	11594.00	Sq. m
Geogrid Reinforcement (for Base)	11594.00	Sq. m
Traffic Signalization	1.00	Lump Sum
Traffic Signalization (Temporary)	1.00	Lump Sum
Pavement Markings	1.00	Lump Sum
Traffic Control	1.00	Lump Sum
Temporary Project Water Pollution Control	1.00	Lump Sum
Sodding	1.00	Lump Sum
Highway Trainee	400.00	Hr
Non-Participating Items		
Water Line (200 mm)	5.60	m
Water Line (300 mm)	1.70	m
Water Line (400 mm)	287.40	m
Service Connection (Long)	2.00	Each
Service Connection (Short)	3.00	Each
Adjustment of Valve Boxes (Water)	9.00	Each
Relocate Fire Hydrant	1.00	Each
2 yr. Maintenance Bond	1.00	Lump Sum
FOR CONSTRUCTION TRAFFIC CONTROL QUANTITIES, SEE SHEET 57		
FOR BITUMINOUS SURFACING QUANTITIES, SEE SHEET 50		
FOR SEEDING QUANTITIES, SEE SHEET 31		
FOR PAVEMENT MARKING QUANTITIES, SEE SHEET 49		
FOR TRAFFIC SIGNAL QUANTITIES, SEE SHEET 35		
FOR WATER POLLUTION CONTROL. SOIL EROSION, SEE SHEET 26-30		

CONCRETE PAVEMENT (200 mm-Unif.) (AE) (NRDJ)

LOCATION	m²
Intersection of Pawnee & Oliver	1668.18
TOTAL	1668.18

PAVING BRICK

LOCATION	S.M.
Intersection of Pawnee & Oliver	256.76
TOTAL	256.76

SIDEWALK CONST. (100 mm) (AE)

STATION	STATION	SIDE	SIDEWALK CONST. (100 mm) (AE) m2
1+314.978	1+390.320	Rt.	125.13
1+291.206	1+292.883	Lt.	2.63
1+302.665	1+325.000	Lt.	40.71
5+769.394	5+831.046	Lt.	94.39
5+777.013	5+796.340	Rt.	29.23
5+803.280	1+425.929	Rt.	85.22
1+425.909	1+448.044	Rt.	39.81
1+463.644	1+468.211	Rt.	8.22
1+483.026	1+490.300	Rt.	11.08
1+365.386	1+381.462	Lt.	27.48
1+422.128	1+446.206	Lt.	44.36
1+461.406	1+482.480	Lt.	37.93
1+497.780	4+504.161	Lt.	11.49
1+517.577	1+545.339	Lt.	42.51
1+422.128 (Lt.)	5+896.974	Rt.	66.47
5+906.074	5+920.934	Rt.	22.37
5+929.834	5+960.202	Rt.	47.28
5+969.539	5+972.088	Rt.	5.01
TOTAL			741.32

CRUSHED STONE SUBGRADE (150 mm)

STATION	STATION	SIDE	Crushed Stone Subgrade (150 mm) m2
Pawnee Avenue			
1+289.075	1+381.775	Lt.	1147.33
1+301.543	1+381.775	Rt.	1025.77
1+425.605	1+549.300	Lt.	1455.95
1+425.605	1+528.657	Rt.	1294.85
Oliver Street			
5+726.757	5+830.433	Lt.	1304.87
5+726.757	5+830.433	Rt.	1128.40
5+876.360	5+993.272	Lt.	1367.13
5+876.360	5+993.272	Rt.	1034.58
Intersection			1834.85
TOTAL			11593.73

REMOVAL OF EXISTING STRUCTURES

LOCATION	SIDE	ITEM	LENGTH
1+392	Lt.	Curb Inlet	
1+394	Lt.	Junction Box	
1+395	Lt.	600 mm RCP	3.5 L.M.
1+397	Lt.	Curb Inlet	
1+420	Lt.	Curb Inlet	
1+528	Lt.	Curb Inlet	
1+535	Lt.	Curb Inlet	
5+973	Lt.	Curb Inlet	
1+393	Lt.	375 mm RCP	5 L.M.
1+400	Lt.	750 mm RCP	15 L.M.
1+528	Lt.	450 mm RCP	2 L.M.
5+973	Lt.	450 mm RCP	1 L.M.

SIDEWALK CONST. (SPECIAL) (100 mm) (AE)

STATION	STATION	SIDE	SIDEWALK CONST. (SPECIAL) (AE) m2
1+325.000	1+352.486	Lt.	48.29
1+381.462	5+885.344	Lt.	53.01
5+895.844	5+905.758	Lt.	18.12
5+920.458	5+926.440	Lt.	10.78
5+937.740	5+959.740	Lt.	33.22
TOTAL			163.42

NO.	DATE	REVISIONS	BY	APP'D.

KANSAS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

RD500 SI

FHWA APPROVAL	5-31-94	APP'D. James O. Brewer	
DESIGNED	DETAILED	QUANTITIES	TRACED Bowser
DESIGN CK.	DETAIL CK.	QUAN.CK.	TRACE CK. Seitz

Drawn By: J. Olson | Plotted: 5-16-00
File: I:\82\RD500SI