

SUMMARY OF QUANTITIES																				
Item Location	Prestressed Concrete "K2" Beams			Sidewalk Slab Repair (Underside)	Class AAA Concrete (AE)	Reinforcing Steel (Grade 60) (Epoxy Coated)	Reinforcing Steel (Grade 60)	Epoxy Resin Crack Repair	Substructure Concrete Repair Type I	Bridge Rail Repair	Sidewalk Refinishing	Retaining Wall	Lighting	Mobilization	Strip Seal Assembly (Type I)	Sidewalk Expansion Joint	Elastomeric Bearing Device	Removal of Existing Structure	Diaphragm Repair	Waterline Replacement
	54'-2" Lin. Ft.	49'-2" Lin. Ft.	44'-2" Lin. Ft.	Sq. Ft.	Cu. Yds.	Lbs.	Lbs.	Lin. Ft.	Sq. Ft.	Lump Sum	Sq. Yds.	Lin. Ft.	Lump Sum	Lump Sum	Lin. Ft.	Lin. Ft.	Each	Lump Sum	Each	Lump Sum
Abutment #1					38.1	3,885	50								40.0	24.	7			
Pier #1					20.0	1,510	15													
Pier #2					19.0	1,310	5								40.0	59.	14			
Pier #3					19.0	1,310	5								40.0	39.	14			
Pier #4					20.0	1,515	15													
Abutment #2					38.3	3,900	50								40.0	24.	7			
Substructure Total					154.4	13,430	140													
Superstructure Total	379.2	688.3	618.3		310.2	67,750	670													
Grand Total	379.2	688.3	618.3	† 350	464.6	81,180	⊕ 810	† 500	† 20	L.S.	702	100.9	⊗ L.S.	L.S.	160.0	146.	42	L.S.	2	⊗ L.S.

† Estimated quantities ⊕ Includes 810 lbs. used in Drill and Grouting operation.

SUMMARY OF QUANTITIES																				
Item Location	Sod (Bermuda Grass Strips)	Traffic Control	Pavement Marking	Contractor Construction Staking	Special Concrete Finishes	Field Office and Lab. (Type A)	Mobilization DBE	Curb and Gutter (Combined)(AE)	Concrete Pavement (10" Uniform)(AE)	Geogrid Reinforcement (For Base)	Subgrade (Crushed Stone) (8")	Plant Mix Bit. Mixture (Comm. Grade)	Drill and Grout	Excavation Class III	Bridge Backwall Protection	Jacking Existing Structure	Sidewalk Construction (6")(AE)	Sidewalk Construction (6")(AE)	Electric Service Relocation	
	Sq. Yds.	Lump Sum	Lump Sum	Lump Sum	Lump Sum	Each	Lump Sum	Lin. Ft.	Sq. Yds.	Sq. Yds.	Sq. Yds.	Tons	Each	Cu. Yds.	Sq. Yds.	Lump Sum	Sq. Yds.	Sq. Yds.	Lump Sum	
Abutment #1													148	42	48					
Pier #1													24							
Pier #2													24							
Pier #3													24							
Pier #4													24							
Abutment #2													160	47	48					
Substructure Total													404	89	96					
Superstructure Total													490							
Grand Total	40	L.S.	L.S.	L.S.	L.S.	1	L.S.	131	240	287	287	1	894	89	96	L.S.	41	⊗ 174	⊗ L.S.	

⊗ Non-participating

REMOVAL OF EXISTING STRUCTURES *			
STATION TO STATION	SIDE	ITEM	
9+99.76	12+45.01	20' Lt. & Rt.	Existing Bridge Slab, Asphalt Overlay and Beams
9+99.76	-----	31.5' Lt. & Rt.	Top of Abut. # 1 Br. Seat & Backwall
10+44.88	-----	20' Lt. & Rt.	Top of Pier # 1 Br. Seat
10+94.88	-----	20' Lt. & Rt.	Top of Pier # 2 Br. Seat
11+49.88	-----	20' Lt. & Rt.	Top of Pier # 3 Br. Seat
11+99.88	-----	20' Lt. & Rt.	Top of Pier # 4 Br. Seat
12+45.01	-----	31.5' Lt. & Rt.	Top of Abut. # 2 Br. Seat & Backwall
10+04.81	-----	138' to 38' Lt.	Retaining Wall
9+57.53	9+68.53	Lt.	Curb (See Sht. 4)
9+91.71	-----	24.14' Lt.	Waterline Vault
11+22.56	-----	23.69' Lt.	Blowoff Valve Accesses
9+68.53	9+98.53	Lt. & Rt.	Sidewalk, pavement and curb(See Sht. 4 for area)
12+46.24	12+78.89	Lt. & Rt.	Sidewalk, pavement and curb(See Sht. 5 for area)
9+95.00	-----	⊕	Boat Storage Room

* FOR INFORMATION ONLY

GEOGRID REINFORCEMENT (FOR BASE) OR SUBGRADE(CRUSHED STONE)(8")			
STATION TO STATION	WIDTH (ft)	QUANTITY (Sq. Yds.)	
9+68.53	9+98.53	43.0	143.3
12+46.24	12+76.24	43.0	143.3
TOTALS			286.6

SOD (BERMUDA GRASS STRIPS)				
STATION TO STATION	SIDE	WIDTH (ft)	QUANTITY (Sq. Yds.)	
9+99.00	10+04.00	38' to 138' Rt.	2.0	23.3
9+68.00	9+76.00	20.5' Lt.	2.0	3.3
9+66.00	9+76.00	41' to 22.5' Lt.	2.0	2.4
9+68.00	9+78.00	20.5' Rt.	2.0	2.1
9+78.00	9+78.00	20.5' to 28' Rt.	2.0	1.6
9+57.00	9+68.00	23' Lt.	6.0	7.3
Totals				40.0

CURB AND GUTTER COMBINED (AE)			
STATION TO STATION	SIDE	TYPE I (ft)	
9+57.53	9+98.53	Lt.	41.0
9+68.53	9+98.53	Rt.	30.0
12+46.24	12+76.24	Lt.	30.0
12+46.24	12+76.24	Rt.	30.0
Totals			131.0

CONCRETE PAVEMENT(10" UNIF.)(AE)			
STATION TO STATION	WIDTH (ft)	QUANTITY (Sq. Yds.)	
9+68.53	9+98.53	36.0	120.0
12+46.24	12+76.24	36.0	120.0
TOTALS			240.0

SIDEWALK CONSTRUCTION (6")(AE)(NON-PARTICIPATING)				
STATION TO STATION	SIDE	WIDTH (ft)	QUANTITY (Sq. Yds.)	
9+72.20	9+90.49	Lt.	Varies	62.00
9+65.60	9+92.57	Rt.	Varies	79.46
12+54.28	12+77.66	Lt.	2.0	5.20
12+56.24	12+78.89	Rt.	Varies	27.75
Totals				174.4

SIDEWALK CONSTRUCTION (6")(AE)				
STATION TO STATION	SIDE	WIDTH (ft)	QUANTITY (Sq. Yds.)	
9+90.49	9+98.53	Lt.	Varies	10.34
9+92.57	9+98.53	Rt.	Varies	7.43
12+46.24	12+54.28	Lt.	Varies	10.16
12+46.24	12+56.24	Rt.	Varies	12.60
Totals				40.5

See Sht. No. 31 for Rail Recapitulation
See Sht. No. 32 for Electrical Recapitulation
See Sht. No. 43 for Sodding Recapitulation
See Sht. No. 44 for Marking Recapitulation
See Sht. No. 45 for Traffic Control Recapitulation

No.

Revisions

By

Date

CITY OF WICHITA, KANSAS
JAMES L. ARMOUR, P.E.-ACTING CITY ENGINEER
MURDOCK BRIDGE
OVER THE LITTLE ARKANSAS RIVER
SUMMARY OF QUANTITIES
CITY OF WICHITA PROJECT NO. 472-83895

Professional Engineering Consultants, P.A.
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Designed by R.A.S.
Checked by R.A.S.
Drawn by W.L.L.
Date March 2004
Job No. 96940-2

12/1996/96940/002.drf/icecheck/quantity.dgn
drawn by : ras
plotted by: RAS 3-27-2004

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