

SUMMARY OF QUANTITIES																					
Item Location	Prestressed Concrete "K2" Beams			Sidewalk Slab Repair (Underside) Sq. Ft.	Class AAA Concrete (AE) Cu. Yds.	Reinforcing Steel (Grade 60) (Epoxy Coated) Lbs.	Reinforcing Steel (Grade 60) Lbs.	Epoxy Resin Crack Repair Lin. Ft.	Substructure Concrete Repair Type I Sq. Ft.	Bridge Rail Repair Lump Sum	Sidewalk Refinishing Sq. Yds.	Retaining Wall Lin. Ft.	Lighting Lump Sum	Mobilization Lump Sum	Strip Seal Assembly (Type I) Lin. Ft.	Sidewalk Expansion Joint Lin. Ft.	Elastomeric Bearing Device Each	Removal of Existing Structure Lump Sum	Diaphragm Repair Each	Waterline Replacement Lump Sum	Concrete Beam Repair Lin. Ft.
	54'-2"	49'-2"	44'-2"																		
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.	† 220

* 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

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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. 303 S. TOPEKA • WICHITA, KANSAS 67202 316-262-2691 • FAX 316-262-3003			
Designed by	R.A.S.	Checked by	R.A.S.
Drawn by	W.L.L.	Date	March 2004 Job No. 96940-2