EARTHWORK

LOCATION STATION TO STATION	EXCAVATION						COMPACTION (TYPE B) (MR-90)	WASTE COMMON EXCAVATION
	COMMON		COMMON (Contr. Furnished)		ROCK Ø			
	(m^3)	V.M.F.	(m^3)	V.M.F.	(m^3)	V.M.F.	(m^3)	(m^3)
9+965.776 to 10+032.224	111	0.8			71	0.8	50	111
TOTAL	111				71		50	111

Ø Existing Pavement to be wasted on sites provided by the Contractor.

SIDEWALK CONSTRUCTION (100 mm)(AE)

STATION TO STATION	SIDE	QUANTITY (m^2)	REMARKS
9+939.7	Lt.	4.58	Ramp Only
9+952.3 to 9+978.6	Rt.	75.72	Includes 2 Ramps
9+961.4 to 9+975.6	Lt.	53.70	Includes 1 Ramp
10+021.4 to 10+028.6	Lt.	14.23	
10+024.4 to 10+033.1	Rt.	16.97	
TOTAL		165.2	

ADJUSTMENT OF MANHOLE

STATION	OFFSET	QUANTITY (Each)	REMARKS
10+025.52	0.4 m Lt.	1	Sanitary Sewer Manhole
TOTAL		1	

CURB AND GUTTER, COMBINED (AE)

STATION TO STATION	SIDE	TYPE I Length m	REMARKS
9+939.75	Lt.	2.1	Opening for Ramp
9+952.31	Rt.	2.1	Opening for Ramp
9+960.68 to 9+965.78	Lt.	5.1	Opening for Ramp
9+960.68 to 9+965.78	Rt.	5.1	Opening for Ramp
10+034.22 to 10+042.22	Lt.	8.0	
10+034.22 to 10+042.22	Rt.	8.0	
TOTAL		30.4	

PAVEMENT ITEMS

STATION TO STATION	CONCRETE PAVEMENT (AE) 260 mm Uniform (AE) (m^2)	CONCRETE SAFETY BARRIER (Special)(AE) (m)	200 mm CRUSHED STONE/GEOGRID (m^2)	REMARKS
9+965.776 to 9+977.115 ℄	113.7	22.7	131	West Approach Slab
10+022.885 to 10+034.224 ℄	113.7	22.7	137	East Approach Slab
TOTAL	227.0	45.4	268	

RECAPITULATION OF BRIDGE QUANTITIES

ITEM	QUANTITY	UNITS
Class I Excavation	118	cu. m
Class II Excavation	90	cu m
Grade 30 Concrete (AE)	74.2	cu. m
Grade 30 Concrete (AE)(SW)	349.3	cu. m
Reinforcing Steel (Grade 420)(Epoxy Coated)	46 720	kg
Reinforcing Steel (Grade 420)	1580	kg
Steel Piles (HP250x62)	306.9	m
Steel Test Pile	24.1	m
Abutment Strip Drain	44.3	sq. m
Bridge Handrail (Steel)	112.6	m
Bridge Drainage System	589	kg
Bridge Backwall Protection System	47.2	sq. m
Bridge Plaque	1	Each

RECAPITULATION OF ROAD QUANTITIES

ITEM	QUANTITY	UNITS
Clearing and Grubbing	Lump Sum	L.S.
Removal of Existing Structures	Lump Sum	L.S.
Common Excavation	111	cu. m
Rock Excavation	71	cu. m
Compaction of Earthwork (Type B)(MR-90)	50	cu. m
Concrete Pavement (260 mm)(Unif.)(AE)	227	sq. m
Concrete Safety Barrier (Special)(AE)	45.4	m
Curb and Gutter, Combined (AE)	30.4	m
Sidewalk Construction (100 mm) (AE)	165.2	sq. m
Crushed Stone Subgrade (200 mm)	268	sq. m
Geogrid Reinforcement (for base)	268	sq. m
Mobilization (DBE)	Lump Sum	L.S.
Field Office and Laboratory (Type A)	1	Each
Mobilization	Lump Sum	L.S.
Contractor Construction Staking	Lump Sum	L.S.
Adjust Manhole	1	Each

For Temporary Project Water Pollution Control Quantities See Sheet No. 28
For Seeding Quantities See Sheet No. 33
For Pavement Marking Quantities See Sheet No. 4
* For Traffic Control Quantities See Sheet No. 38

* Traffic Control shall be bid by the "Lump Sum"

MID-KANSAS ENGINEERING CONSULTANTS, INC.
411 N. WEBB ROAD
WICHITA, KS. 67206
316-684-9600

MURDOCK AVENUE BRIDGE
PROJECT NAME

SUMMARY OF QUANTITIES
SHEET TITLE

KJS	DPG	PAF
DESIGN BY:	DRAWN BY:	CHECKED BY:
FEB. 1999	97042	27 / 39
DATE	JOB NO.	SHEET/OF

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