

### RECAPITULATION OF ROAD & PROJECT QUANTITIES

ITEM	QUANTITY TOTAL	UNIT
<b>LUMP SUM BID ITEMS - PAVING</b>		
FIELD OFFICE & LAB (Type A)	1	Each
MOBILIZATION	1	Lump Sum
MOBILIZATION (DBE)	1	Lump Sum
R/W CLEARING & SITE PREPARATION	1	Lump Sum
SITE RESTORATION	1	Lump Sum
PERMANENT SEEDING	18,630	Sq. Yds.
SODDING	17,250	Sq. Yds.
REMOVAL OF EXISTING STRUCTURES	1	Lump Sum
REMOVAL OF ASPHALT PAVEMENT	23,027	Sq. Yds.
REMOVAL OF CONCRETE PAVEMENT (Includes Curb & Gutter)	717	Sq. Yds.
COMMON EXCAVATION	48,926	Cu. Yds.
COMPACTION OF EARTHWORK (TYPE B)(MR-90)	727	Cu. Yds.
SELECT FILL TOPSOIL (Medians)	295	Cu. Yds.
<b>A.C. PAVEMENT (7") (5" Bit. Base) (BM-2) (PG 70-28)</b>		
REINFORCED CONCRETE PAVEMENT (9") (Intersection) (Class A) (AE)	2,195	Sq. Yds.
REINFORCED CONCRETE PAVEMENT (8") (Valley Gutter) (Class A) (AE)	154	Sq. Yds.
REINFORCED CRUSHED ROCK BASE (8") (Includes Geogrid Reinf.)	43,733	Sq. Yds.
REINFORCED CRUSHED ROCK BASE (7") (Includes Geogrid Reinf.)	131	Sq. Yds.
REINFORCED CRUSHED ROCK BASE (6") (Includes Geogrid Reinf.)	2,358	Sq. Yds.
<b>2" MILL &amp; OVERLAY (BM-2) (PG 70-28)</b>		
<b>CURB AND GUTTER (Combined) (Type I) (6") (AE)</b>		
CURB AND GUTTER (Combined) (Type III) (8") (AE)	11,936	Ft.
MONOLITHIC EDGE CURB (6") (AE)	3,069	Ft.
MONOLITHIC EDGE CURB (6") (AE)	168	Ft.
<b>STANDARD WHEELCHAIR RAMPS (6")</b>		
PAVING BRICK (3 1/8") (Crosswalks)	10	Each
PAVING BRICK (2 3/8") (Medians)	337	Sq. Yds.
PAVING BRICK (2 3/8") (Medians)	288	Sq. Yds.
<b>LUMP SUM BID ITEMS - DRAINAGE</b>		
INLET (Curb) (Type 1) (11' 4" X 4' 4")	29	Each
INLET (Curb) (Type 1) (11' 4" X 5' 4")	2	Each
INLET (Curb) (Type 1) (11' 4" X 6' 4")	3	Each
MANHOLE (Standard Type "P") (5' Dia.)	2	Each
MANHOLE (Standard Type "P") (6' Dia.)	2	Each
MANHOLE (Standard Type "P") (7' Dia.)	4	Each
MANHOLE (Reinforced Concrete) (7' 4" X 7' 4")	1	Each
MANHOLE (Reinforced Concrete) (8' 4" X 8' 4")	3	Each
MANHOLE (Shallow Type "P") (4' Dia.)	3	Each
MANHOLE (Shallow Type "P") (6' Dia.)	3	Each
ACCESS MANHOLE (Includes Ring & Cover)	4	Each
STORM SEWER (15") (RCP) (Includes End Sections)	1,393	Ft.
STORM SEWER (18") (RCP)	1,803	Ft.
STORM SEWER (19" X 30") (HERCP)	93	Ft.
STORM SEWER (24") (RCP)	624	Ft.
STORM SEWER (30") (RCP)	649	Ft.
STORM SEWER (36") (RCP)	635	Ft.
STORM SEWER (42") (RCP)	661	Ft.
STORM SEWER (54") (RCP) (Includes End Section)	2,052	Ft.
STORM SEWER (4' X 3') (RCBC)	855	Ft.
STORM SEWER (4' X 4') (RCBC)	112	Ft.
LIGHT STONE RIP RAP	29	Sq. Yds.
<b>LUMP SUM BID ITEMS - TRAFFIC</b>		
PAVEMENT MARKING	1	Lump Sum
PROJECT SIGNAGE	1	Lump Sum
TRAFFIC CONTROL (Construction)	1	Lump Sum
SIGNALIZATION OF MERIDIAN & MACARTHUR	1	Lump Sum
MACARTHUR & SENECA SIGNALIZATION UPGRADE	1	Lump Sum
<b>MEASURED QUANTITY BID ITEMS - PAVING</b>		
REINFORCED CONCRETE PAVEMENT (8") (Drives) (Class A) (AE)	19,523	Sq. Ft.
SIDEWALK CONCRETE (4")	50,982	Sq. Ft.
REINFORCED CONCRETE PAVEMENT (8") (Drive Hook-up) (Class A) (AE)	1,149	Sq. Ft.
A.C. PAVEMENT (6") (Drive Hook-up) (BM-2)	2,869	Sq. Ft.
CRUSHED ROCK SURFACE (6") (Drive Hook-up)	3,978	Sq. Ft.
PROTECTION CURB (6" & 8")	585	Ft.
SAND BACKFILL, FLUSHED & VIBRATED	3,351	Ft.
<b>NON-PARTICIPATING ITEMS</b>		
TRANSPORTATION OF SALVAGE MATERIAL	1	Lump Sum
PROJECT SIGNAGE (D-3 Metro Street Name Signs)	1	Lump Sum
PRIVATE SPRINKLER SYSTEM RESTORATION	1	Lump Sum
<b>MEASURED QUANTITY BID ITEMS - WATER (Non-Participating)</b>		
WATER LINE PIPE (12")	494	Ft.
WATER LINE PIPE (12") (DIDL)	37	Ft.
WATER LINE PIPE (8")	125	Ft.
WATER LINE PIPE (8") (DIDL)	5	Ft.
LINE VALVE (12")	1	Each
ANCHORED VALVE ASSY. (12")	1	Each
ANCHORED VALVE ASSY. (8")	1	Each
BLOWOFF ASSY. (2")	1	Each
ADJUSTMENT OF WATER METERS	24	Each
ADJUSTMENT OF WATER VALVES	26	Each
FIRE HYDRANT ASSY.	1	Each
FIRE HYDRANT RELOCATION	4	Each
TEMP. A.C. PAVEMENT PATCH (5")	50	Ft.

See Sheet 86 for Landscaping Bill of Materials  
See Sheet 99 for Erosion Control Bill of Materials

### REMOVAL OF EXISTING STRUCTURES

STATION	ROADWAY	SIDE	ITEM
21+00	MacArthur Road	Rt.	Yard Light
21+42	MacArthur Road	Rt.	Yard Light
22+75	MacArthur Road	Lt.	Modular Block Planter & Sign
22+78	MacArthur Road	Lt.	Yard Light
23+00	MacArthur Road	Lt.	40.7 L.F. 18" RCP
23+16	MacArthur Road	Lt.	Yard Light
22+75	MacArthur Road	Lt.	Modular Block Planter
27+58	MacArthur Road	Rt.	Yard Light
28+02	MacArthur Road	Rt.	Yard Light
29+13	MacArthur Road	Lt.	Yard Light
29+35	MacArthur Road	Lt.	41.0 L.F. 18" RCP
29+53	MacArthur Road	Lt.	Yard Light
30+71	MacArthur Road	Lt.	Wooden Sign & Spot Light
31+84	MacArthur Road	Lt.	Yard Light
32+08	MacArthur Road	Lt.	44.9 L.F. 18" RCP
32+20	MacArthur Road	Lt.	Yard Light
32+61	MacArthur Road	Lt.	40.0 L.F. 18" RCP
34+70	MacArthur Road	Lt.	67.1 L.F. 24" RCP
34+86	MacArthur Road	Lt.	Post
35+06	MacArthur Road	Lt.	Sign
36+72	MacArthur Road	Lt.	20.0 L.F. 18" RCP
37+63	MacArthur Road	Lt.	20.0 L.F. 18" RCP
38+33	MacArthur Road	Lt.	20.2 L.F. 24" RCP
41+10	MacArthur Road	Lt.	19.8 L.F. 36" CMP
41+45	MacArthur Road	Lt.	2-Posts
41+73	MacArthur Road	Lt.	25.3 L.F. 24" CMP
42+77	MacArthur Road	Lt.	Yard Light
42+88	MacArthur Road	Lt.	24.0 L.F. 36" CMP & Headwalls
42+99	MacArthur Road	Lt.	Yard Light
43+52	MacArthur Road	Lt.	21.3 L.F. 18" CMP
44+33	MacArthur Road	Lt.	33.9 L.F. 18" RCP
45+41	MacArthur Road	Lt.	36.1 L.F. 18" RCP
45+77	MacArthur Road	Lt.	Guard Post
45+80	MacArthur Road	Lt.	Guard Post
45+95	MacArthur Road	Lt.	39.3 L.F. 30" CMP
46+12	MacArthur Road	Lt.	Guard Post
47+08	MacArthur Road	Lt.	24.1 L.F. 24" RCP
47+25	MacArthur Road	Rt.	Post
47+56	MacArthur Road	Lt.	20.1 L.F. 24" RCP
48+66	MacArthur Road	--	Wooden Timber Bridge
56+70	MacArthur Road	Lt.	21.2 L.F. RCP
57+81	MacArthur Road	Lt.	50.2 L.F. 12" CMP
58+34	MacArthur Road	Rt.	35.0 L.F. 18" RCP Stub
58+37	MacArthur Road	Lt.	5.0 L.F. 12" CMP Stub
58+39	MacArthur Road	Rt.	Double Brick Inlet
58+37	MacArthur Road	Lt.	12" CMP Stub
85+64	Meridian Avenue	Lt.	20 L.F. 12" RCP
86+47	Meridian Avenue	Lt.	19.7 L.F. 12" RCP
88+40	Meridian Avenue	Rt.	59.5 L.F. 12" RCP

FOR INFORMATION ONLY.

### EXISTING MAILBOX REPLACEMENTS

STATION	ROADWAY	SIDE	# of BOXES
8+22	MacArthur Road	Rt.	1
37+80	MacArthur Road	Lt.	1
38+25	MacArthur Road	Lt.	1
40+95	MacArthur Road	Lt.	1
41+46	MacArthur Road	Lt.	1
43+02	MacArthur Road	Lt.	1
43+74	MacArthur Road	Lt.	2
45+58	MacArthur Road	Lt.	2
46+96	MacArthur Road	Lt.	1
47+80	MacArthur Road	Lt.	2
49+58	MacArthur Road	Lt.	1
50+62	MacArthur Road	Lt.	1
52+31	MacArthur Road	Lt.	1
53+83	MacArthur Road	Lt.	3
55+40	MacArthur Road	Lt.	1
86+27	Meridian Avenue	Lt.	1

FOR INFORMATION ONLY. Existing Mailboxes to be Removed and Reset on Non-Hazardous Support. Cost to be SUBSIDIARY to the Bid Item "Site Restoration".

### SLOPE PROTECTION (RIPRAP STONE)

STATION (BASELINE)	ROADWAY	SIDE	LIGHT STONE RIP RAP (Sq. Yds.)	REMARKS
4+85.00	MacArthur	25.0' Rt.	4.7	End Section of RCP
6+00.00	MacArthur	34.1' Lt.	4.7	End Section of RCP
28+50.00	MacArthur	70.0' Lt.	5.3	End Section of RCP
96+00.00	Meridian	32.5' Lt.	4.7	End Section of RCP
96+94.04	Meridian	26.9' Lt.	4.7	End Section of RCP
97+05.96	Meridian	26.9' Rt.	4.7	End Section of RCP
TOTALS			28.8	

### SELECT FILL TOPSOIL

STA. TO STA. (BASELINE)	ROADWAY	LOOSE FILL (Cu. Yds.)	REMARKS
6+34.60	6+86.25	MacArthur Road	18.8 Median
16+00.00	20+20.00	MacArthur Road	152.4 Median
23+96.00	26+75.00	MacArthur Road	101.3 Median
93+13.75	93+75.00	Meridian Avenue	22.2 Median
TOTALS			294.7

### PVC PIPE IRRIGATION SLEEVES\*

STATION	SIDE	ROADWAY	DIA.	LENGTH
18+45.0	Rt.	MacArthur Avenue	6"	36.0 ft.
25+35.0	Rt.	MacArthur Avenue	6"	36.0 ft.
TOTAL				72.0 ft.

\*FOR INFORMATION ONLY. Cost to be SUBSIDIARY to the Bid Item "Site Restoration".

### SEEDING/SODDING QUANTITIES

PROCESS	AREA OF RESTORATION (Sq. Yds.)	REMARKS
Sodding	17,250	Lawn/Turf Areas
Seeding	18,630	Non-Lawn/Turf Areas

- Removal of Inlets, Manholes, Storm Sewer Pipe, Light Poles, and etc. shall be SUBSIDIARY to "Removal of Existing Structures."
- Abandoning Storm Sewer Pipe using Pipe Plugs shall be SUBSIDIARY to "Removal of Existing Structures."
- The bid item "Project Erosion Control" shall include, but not be limited to, Silt Fences, Inlet Barriers, Erosion Mats, and/or any other "Best Management Practices" (BMPs) necessary to inhibit downstream sediment laden runoff.
- The volume for the "Borrow Excavation (Contractor Furnished)" Bid Item was calculated by the following equation:  
 $1.1 * ((1.2 * \text{Volume of Compacted Fill}) - (0.8 * \text{Volume of Excavation})) = \text{Borrow Excavation (Contractor Furnished)}$

Drawing File: E:\37th Pave\Recap2.dwg  
 Design: TPV  
 Drawn: TPV  
 Approved: TPV  
 Scale: None

### RECAPITULATION OF QUANTITIES

Project No. 04-04-E856 CAPITAL IMPROVEMENT PROJECT  
**Baughman Company, P.A.**  
 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149  
 ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE