

RECAPITULATION OF PROJECT QUANTITIES		
ITEM	QUANTITY TOTAL	UNIT
LUMP SUM BID ITEMS - PAVING		
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
TRANSPORTATION OF SALVAGE MATERIAL	1	Lump Sum
PERMANENT CHANNEL SEEDING	4,165	Sq. Yds.
PERMANENT SEEDING	16,900	Sq. Yds.
SODDING	21,800	Sq. Yds.
REMOVAL OF EXISTING STRUCTURES	1	Lump Sum
REMOVAL OF ASPHALT PAVEMENT	36,918	Sq. Yds.
REMOVAL OF CONCRETE PAVEMENT (Includes Curb & Gutter)	13,895	Sq. Yds.
COMMON EXCAVATION	41,0823	Cu. Yds.
COMPACTION OF EARTHWORK (TYPE B)(MR-90)	2,598	Cu. Yds.
SELECT FILL TOPSOIL (Medians)	763	Cu. Yds.
A.C. PAVEMENT (7") (5" Bit. Base) (BM-2)	51,294	Sq. Yds.
CONCRETE PAVEMENT (9") (NRDU) (Class A) (AE)	5,215	Sq. Yds.
REINFORCED CONCRETE PAVEMENT (9") (Intersection) (Class A) (AE)	2,975	Sq. Yds.
REINFORCED CONCRETE PAVEMENT (8") (Valley Gutter) (Class A) (AE)	1,471	Sq. Yds.
REINFORCED CRUSHED ROCK BASE (8") (Includes Geogrid Reinf.)	59,352	Sq. Yds.
REINFORCED CRUSHED ROCK BASE (7") (Includes Geogrid Reinf.)	1,251	Sq. Yds.
REINFORCED CRUSHED ROCK BASE (6") (Includes Geogrid Reinf.)	9,170	Sq. Yds.
MILL & OVERLAY (BM-2)	1,326	Sq. Yds.
CURB AND GUTTER (Combined) (Type I) (6") (AE)	18,074	Ft.
CURB AND GUTTER (Combined) (Type III) (8") (AE)	4,234	Ft.
CURB (Type II Barrier) (2'-8") (AE)	785	Ft.
MONOLITHIC EDGE CURB (6") (AE)	1,445	Ft.
INLET HOOK-UPS	53	Each
STANDARD WHEELCHAIR RAMPS (5')	34	Each
PAVING BRICK (3 1/8") (Crosswalks)	368	Sq. Yds.
PEDESTRIAN HAND RAIL	541	Ft.
IMPACT ATTENUATOR	2	Each
LUMP SUM BID ITEMS - DRAINAGE		
INLET (Curb) (Type 1) (11' 4" X 4' 4")	3	Each
INLET (Curb) (Type 1A) (11' 4" X 4' 4")	35	Each
INLET (Curb) (Type 1A) (11' 4" X 5' 4")	5	Each
INLET (Curb) (Type 1A) (11' 4" X 6' 4")	5	Each
INLET (Curb) (Type 1A) (11' 4" X 7' 4")	2	Each
INLET (Curb) (Type 1A) (11' 4" X 8' 4")	2	Each
INLET (Curb) (Type 2) (Double)	1	Each
INLET (Yard) (4' Dia.)	2	Each
INLET (Drive) (Single)	1	Each
INLET (Drive) (Double)	1	Each
MANHOLE (Shallow Type "P") (4' Dia.)	4	Each
MANHOLE (Shallow Type "P") (5' Dia.)	3	Each
MANHOLE (Standard Type "P") (5' Dia.)	1	Each
MANHOLE (Standard Type "P") (6' Dia.)	2	Each
MANHOLE (Reinf. Concrete) (Special) (5' 4" X 5' 4")	1	Each
MANHOLE (Reinf. Concrete) (9' 4" X 5' 4")	1	Each
MANHOLE (Reinf. Concrete) (11' 4" X 6' 4")	2	Each
STORM SEWER (12") (RCP)	56	Ft.
STORM SEWER (15") (RCP) (Includes End Sections)	1,865	Ft.
STORM SEWER (23" X 14") (HERCP)	795	Ft.
STORM SEWER (18") (RCP)	1,023	Ft.
STORM SEWER (24") (RCP)	892	Ft.
STORM SEWER (30" X 19") (HERCP)	178	Ft.
STORM SEWER (30") (RCP)	550	Ft.
STORM SEWER (36") (RCP)	1,070	Ft.
STORM SEWER (42") (RCP)	917	Ft.
STORM SEWER (48") (RCP)	750	Ft.
STORM SEWER (54") (RCP)	801	Ft.
SAND BACKFILL (Flushed & Vibrated)	8,838	Ft.
LIGHT STONE RIP RAP	70	Sq. Yds.
COMMON EXCAVATION (Channel Grading)	7,378	Cu. Yds.
REINFORCED CONCRETE PAVEMENT (6") (Apron)	37	Sq. Yds.
LUMP SUM BID ITEMS - TRAFFIC		
PAVEMENT MARKING	1	Lump Sum
PROJECT SIGNAGE	1	Lump Sum
TEMPORARY SIGNALIZATION OF 31ST STREET SOUTH & MERIDIAN	1	Lump Sum
TRAFFIC CONTROL (Construction)	1	Lump Sum
SIGNALIZED PEDESTRIAN CROSSWALK	1	Lump Sum
SIGNALIZATION OF MERIDIAN & I-235 RAMPS	1	Lump Sum
SIGNALIZATION OF 31ST STREET SOUTH & MERIDIAN	1	Lump Sum

RECAPITULATION OF PROJECT QUANTITIES, cont.		
ITEM	QUANTITY TOTAL	UNIT
MEASURED QUANTITY BID ITEMS - PAVING		
REINFORCED CONCRETE PAVEMENT (8") (Drives) (Class A) (AE)	28,996	Sq. Ft.
SIDEWALK CONCRETE (4")	86,788	Sq. Ft.
SPECIAL SIDEWALK SECTION (4")	504	Sq. Ft.
REINFORCED CONCRETE PAVEMENT (8") (Drive Hook-up) (Class A) (AE)	3,243	Sq. Ft.
A.C. PAVEMENT (5") (Temporary) (BM-2)	1,200	Sq. Ft.
A.C. PAVEMENT (6") (Drive & Drive Hookup) (BM-2)	1,868	Sq. Ft.
A.C. PAVEMENT (8") (Drive) (BM-2)	2,828	Sq. Ft.
CRUSHED ROCK SURFACE (6") (Drive Hook-up)	2,345	Sq. Ft.
PROTECTION CURB (6")	499	Ft.
IRRIGATION SLEEVE (6" PVC)	452	Ft.
SMALL TREES REMOVED (15" & Smaller)	195	Each
LARGE TREES REMOVED (Larger than 15")	75	Each
ELECTRONIC MESSAGE BOARD	200	Days

See Sheet 160 for Erosion Control Quantities
See Sheet 139 for Landscaping Bill of Materials

RECAPITULATION OF PROJECT QUANTITIES, cont.		
ITEM	QUANTITY TOTAL	UNIT
LUMP SUM BID ITEMS - SANITARY SEWER		
ADJUSTMENT OF SS MANHOLES	3	Each
MEASURED QUANTITY BID ITEMS - WATER		
WATER LINE PIPE (8")	562	Ft.
WATER LINE PIPE (12")	337	Ft.
WATER LINE PIPE (8") (DCL)	26	Ft.
WATER LINE PIPE (12") (DCL)	67	Ft.
ANCHORED VALVE ASSY. (8")	2	Each
VALVE ASSY. (12")	1	Each
AIR RELEASE ASSY.	1	Each
FIRE HYDRANT ASSY.	4	Each
ADJUSTMENT OF WATER VALVES	41	Each
ADJUSTMENT OF WATER METERS	1	Each
LONG SERVICES REPLACED	9	Each
SHORT SERVICES REPLACED	4	Each

EXISTING MAILBOX REPLACEMENTS			
STATION	ROADWAY	SIDE	# of BOXES
105+87	Meridian Avenue	Lt.	1
107+20	Meridian Avenue	Rt.	1
108+63	Meridian Avenue	Rt.	1
111+09	Meridian Avenue	Lt.	1
114+32	Meridian Avenue	Rt.	1
115+21	Meridian Avenue	Rt.	1
127+97	Meridian Avenue	Lt.	1
129+73	Meridian Avenue	Lt.	1
130+49	Meridian Avenue	Lt.	1
132+73	Meridian Avenue	Lt.	1
134+29	Meridian Avenue	Rt.	1
134+52	Meridian Avenue	Lt.	1
138+91	Meridian Avenue	Lt.	1
139+28	Meridian Avenue	Rt.	1
149+21	Meridian Avenue	Lt.	1
197+15	Meridian Avenue	Rt.	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".

- 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."

REMOVAL OF EXISTING STRUCTURES			
STATION	ROADWAY	SIDE	ITEM
103+16	Meridian Avenue	Lt.	930 L.F. Wire Mesh Fence
105+20	Meridian Avenue	Rt.	285 L.F. Wire Mesh Fence
105+62	Meridian Avenue	Lt.	Gate
106+06	Meridian Avenue	Lt.	Gate
106+18	Meridian Avenue	Lt.	38 L.F. Wire Mesh Fence
106+62	Meridian Avenue	Rt.	41 L.F. Wire Mesh Fence
106+75	Meridian Avenue	Lt.	113 L.F. Wire Mesh Fence
107+20	Meridian Avenue	--	50.5 L.F. 18" CMP
107+31	Meridian Avenue	Lt.	Railroad Tie
107+32	Meridian Avenue	Rt.	20 L.F. 18" RCP
107+36	Meridian Avenue	Lt.	Post
107+42	Meridian Avenue	Lt.	Post
107+43	Meridian Avenue	Lt.	Post
107+50	Meridian Avenue	Rt.	Sign
107+93	Meridian Avenue	Lt.	Sign
108+26	Meridian Avenue	Rt.	36 L.F. Fence
108+36	Meridian Avenue	Lt.	22 L.F. Concrete Flume
108+61	Meridian Avenue	Lt.	62 L.F. 30" RCP
108+63	Meridian Avenue	Rt.	14 L.F. Conc. Headwall
108+74	Meridian Avenue	Rt.	24 L.F. 29" HE CMP
108+87	Meridian Avenue	Lt.	18 L.F. Conc Flume
109+38	Meridian Avenue	Lt.	Sign
109+90	Meridian Avenue	Rt.	28 L.F. Wire Mesh Fence
109+92	Meridian Avenue	Rt.	Post
110+04	Meridian Avenue	Rt.	19 L.F. 27" CMP
111+20	Meridian Avenue	Lt.	23.5 L.F. 18" CMP
111+29	Meridian Avenue	Lt.	Planter
111+64	Meridian Avenue	Lt.	13 L.F. Barbed Wire Fence
112+40	Meridian Avenue	Lt.	150 L.F. Barbed Wire Fence
112+82	Meridian Avenue	Rt.	Sign
113+18	Meridian Avenue	Lt.	8 L.F. Barbed Wire Fence
113+22	Meridian Avenue	Rt.	70 L.F. 15" RCP
114+46	Meridian Avenue	Rt.	25.3 L.F. 15" CMP
114+54	Meridian Avenue	Rt.	Railroad Ties
114+56	Meridian Avenue	Rt.	Post
114+63	Meridian Avenue	Rt.	Railroad Ties
114+63	Meridian Avenue	Rt.	11 L.F. Fence
115+12	Meridian Avenue	Rt.	31 L.F. 15" PVC
118+04	Meridian Avenue	Lt.	15 L.F. Conc. Flume
118+11	Meridian Avenue	Lt.	Brick Ramp Landing
118+36	Meridian Avenue	Lt.	Double 70 L.F. 15" RCP
118+59	Meridian Avenue	Lt.	Brick Ramp Landing
118+67	Meridian Avenue	Lt.	17 L.F. Conc. Flume
118+95	Meridian Avenue	Rt.	60 L.F. 18" RCP
123+20	Meridian Avenue	Rt.	598 L.F. Vinyl Fence
124+04	Meridian Avenue	Lt.	25 L.F. Conc. Flume
124+31	Meridian Avenue	Lt.	Double 70.5 L.F. 15" RCP
126+02	Meridian Avenue	Lt.	Crude Oil Pipeline Vent
126+08	Meridian Avenue	Rt.	22 L.F. Wire Mesh Fence
126+19	Meridian Avenue	Rt.	15 L.F. Wire Mesh Fence
126+26	Meridian Avenue	Lt.	Underground Gas Vent
126+45	Meridian Avenue	Lt.	36" Concrete Pad
127+72	Meridian Avenue	Rt.	20.5 L.F. 18" RCP
127+87	Meridian Avenue	Lt.	20 L.F. 18" RCP
128+48	Meridian Avenue	Lt.	Planters
129+54	Meridian Avenue	Lt.	20 L.F. 15" RCP
132+92	Meridian Avenue	Lt.	28 L.F. 18" RCP
133+06	Meridian Avenue	Lt.	20 L.F. Chain Link Fence
133+18	Meridian Avenue	Lt.	23 L.F. 18" RCP
133+69	Meridian Avenue	Rt.	Railroad Tie Planter
134+75	Meridian Avenue	Rt.	16 L.F. Wire Mesh Fence
135+75	Meridian Avenue	Rt.	Post
135+93	Meridian Avenue	Lt.	234 L.F. Wire Mesh Fence

REMOVAL OF EXISTING STRUCTURES, cont.			
STATION	ROADWAY	SIDE	ITEM
137+10	Meridian Avenue	Lt.	16 L.F. Wire Mesh Fence
137+25	Meridian Avenue	Lt.	28 L.F. Wire Mesh Fence
137+39	Meridian Avenue	Rt.	20 L.F. 18" RCP
137+58	Meridian Avenue	Lt.	20 L.F. 18" RCP
137+84	Meridian Avenue	Lt.	42 L.F. Wire Mesh Fence
138+17	Meridian Avenue	Lt.	20 L.F. 18" RCP
138+50	Meridian Avenue	Lt.	Sign
139+74	Meridian Avenue	Lt.	20 L.F. Barbed Wire Fence
140+59	Meridian Avenue	Rt.	Post
140+77	Meridian Avenue	Rt.	44 L.F. 24" RCP
140+97	Meridian Avenue	Rt.	Post
144+12	Meridian Avenue	Lt.	867 L.F. Barbed Wire Fence
148+50	Meridian Avenue	Lt.	20.5 L.F. Barbed Wire Fence
148+56	Meridian Avenue	Lt.	20 L.F. 12" RCP
159+45	Meridian Avenue	Lt.	252 L.F. Fence
159+93	Meridian Avenue	--	55 L.F. 15" CMP
160+19	Meridian Avenue	Lt.	Concrete Sign Base
160+44	Meridian Avenue	Rt.	Sign
163+59	Meridian Avenue	Lt.	338 L.F. Fence
166+15	Meridian Avenue	Rt.	38.5 L.F. 18" CMP
166+75	Meridian Avenue	Rt.	63 L.F. 36" CMP
169+06	Meridian Avenue	Rt.	Posts
171+78	Meridian Avenue	--	98 L.F. 36" RCP & Wall
174+85	Meridian Avenue	Rt.	204 L.F. Gaurd Rail
175+50	Meridian Avenue	Lt.	165 L.F. Gaurd Rail
183+90	Meridian Avenue	Rt.	Sign
185+10	Meridian Avenue	Rt.	Sign
189+96	Meridian Avenue	Rt.	Sign
192+44	Meridian Avenue	Rt.	Inlet
192+60	Meridian Avenue	Rt.	30 L.F. 18" RCP
192+77	Meridian Avenue	Rt.	Inlet
192+80	Meridian Avenue	Rt.	Sign
192+84	Meridian Avenue	Lt.	Sign
192+92	Meridian Avenue	Rt.	31 L.F. 18" RCP
193+07	Meridian Avenue	Rt.	Inlet
193+09	Meridian Avenue	Lt.	Inlet
205+00	Meridian Avenue	Rt.	Two Inlets
205+13	Meridian Avenue	Rt.	Sign
205+22	Meridian Avenue	Lt.	Traffic Sig. Manhole & Conc.
205+27	Meridian Avenue	Rt.	50.6 L.F. 21" X 15" CMPA
205+28	Meridian Avenue	Lt.	Traffic Signal
205+34	Meridian Avenue	Rt.	Traffic Signal
205+52	Meridian Avenue	Lt.	80.5 L.F. 24" X 18" CMPA
206+66	Meridian Avenue	Rt.	30.4 L.F. 17" X 13" CMPA
206+74	Meridian Avenue	Lt.	15 L.F. 15" RCP
206+77	Meridian Avenue	Rt.	Inlet
206+77	Meridian Avenue	--	60 L.F. 21" X 15" CMPA
206+77	Meridian Avenue	Lt.	Inlet
298+91	31st Street South	Lt.	Inlet
298+92	31st Street South	Rt.	Inlet
299+16	31st Street South	Lt.	45.3 L.F. 21" X 15" CMPA
299+16	31st Street South	Rt.	50.3 L.F. 21" X 15" CMPA
299+29	31st Street South	Lt.	Traffic Signal Base
299+60	31st Street South	Lt.	Wheelchair Ramp
299+67	31st Street South	Lt.	Traffic Sig. Manhole Conc.
300+53	31st Street South	Lt.	Traffic Signal
300+55	31st Street South	Lt.	Wheelchair Ramp
300+58	31st Street South	Lt.	Traffic Sig. Manhole & Conc.
300+69	31st Street South	Rt.	58 L.F. 21" X 15" CMPA
301+00	31st Street South	--	57.3 L.F. 17" X 13" CMPA
302+66	31st Street South	Rt.	Sign
302+99	31st Street South	Rt.	Sign

Drawing File: E:\eng\Meridian-47th to 31st\Recap2.dwg
 Design: TPV
 Drawn: TPV
 Approved: TPV
 Scale: None

Project No. 0510E396 CAPITAL IMPROVEMENT PROJECT

RECAPITULATION OF QUANTITIES

MERIDIAN AVENUE - 47TH STREET SOUTH TO 31ST STREET SOUTH

Baughman Company, P.A.
 315 Ellis St., Wichita, KS 67211 P 316-262-0149 F 316-262-0149
 ENDSERVICES | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE