

RECAPITULATION OF ROAD & PROJECT QUANTITIES		
ITEM	QUANTITY TOTAL	UNIT
PAVING BID ITEMS		
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 (Includes Seeding, Sod, Etc.)	1	Lump Sum
REMOVAL OF EXISTING STRUCTURES	1	Lump Sum
REMOVAL OF ASPHALT PAVEMENT (Includes Bike Path)	17,680	sq. m
REMOVAL OF CONCRETE PAVEMENT (Includes Ditches & Curb & Gutter)	826	sq. m
COMMON EXCAVATION	12,583	cu. m.
COMPACTION OF EARTHWORK (TYPE B)(MR-90)	15,425	cu. m.
BORROW EXCAVATION (Contractor Furnished)	9,288	cu. m.
SELECT FILL TOPSOIL (Medians)	1,054	cu. m.
A.C. PAVEMENT (180mm) (130mm Bit. Base) (BM-1B over BM-2)	30,084	sq. m
A.C. PAVEMENT (150mm) (Bike Path) (BM-2)	52	sq. m
REINFORCED CONCRETE PAVEMENT (230mm) (Intersection) (Class A) (AE)	1,896	sq. m
REINFORCED CONCRETE PAVEMENT (200mm) (Valley Gutter) (Class A) (AE)	819	sq. m
REINFORCED CRUSHED ROCK BASE (200mm) (Includes Geogrid Reinf.)	36,927	sq. m
REINFORCED CRUSHED ROCK BASE (180mm) (Includes Geogrid Reinf.)	680	sq. m
REINFORCED CRUSHED ROCK BASE (150mm) (Includes Geogrid Reinf.)	2,071	sq. m
CRUSHED ROCK SURFACE (150mm)	1,082	sq. m
CURB AND GUTTER (Combined) (Type I) (150mm) (AE)	3,875	m
CURB AND GUTTER (Combined) (Median) (170mm) (AE)	2,997	m
MONOLITHIC EDGE CURB (150mm) (AE)	138	m
STANDARD WHEELCHAIR RAMPS (1.80m)	13	Each
STANDARD WHEELCHAIR RAMPS (3.05m)	2	Each
PAVING BRICK (80mm) (Crosswalks) (Red) (Plaza Stone (Plaza 1))	387	sq. m
PAVING BRICK (60mm) (Medians) (Red) (Appian Stone)	348	sq. m
MONUMENT BOXES	2	Each
DRAINAGE BID ITEMS		
INLET (Curb) (Type 1A) (1.930m X 1.320m)	2	Each
INLET (Curb) (Type 1A) (3.450m X 1.320m)	12	Each
INLET (Curb) (Type 1A) (3.450m X 1.630m)	16	Each
INLET (Curb) (Type 1A) (3.450m X 1.930m)	2	Each
INLET (Curb) (Type 1A) (3.450m X 2.230m)	2	Each
INLET (Curb) (Type 2) (Double)	2	Each
INLET (Special Ditch) (1.500m X 1.200m)	1	Each
CURB OPENING (150mm) (Includes 100mm Pipe)	4	Each
MANHOLE (Standard Type "P") (1.52m Dia.)	1	Each
MANHOLE (Shallow Type "P") (1.22m Dia.)	3	Each
MANHOLE (Shallow Type "P") (1.52m Dia.)	4	Each
MANHOLE (Shallow Type "P") (1.22m Dia.) (with Beehive Grate)	2	Each
STORM SEWER (300mm) (CMP) (Includes End Sections)	7	m
STORM SEWER (380mm) (RCP) (Includes End Sections)	552	m
STORM SEWER (610mm) (RCP)	544	m
STORM SEWER (760mm) (RCP)	778	m
STORM SEWER (910mm) (RCP)	203	m
STORM SEWER (740mm X 1140mm) (HERCP) (Includes End Sections)	27	m
3.05m X 1.22m RCBC (Includes Wingwalls)	1	Lump Sum
HANDRAILS	1	Lump Sum
LIGHT STONE RIP RAP	14	sq. m.
HEAVY STONE RIP RAP	37	sq. m.
TRAFFIC & PROJECT BID ITEMS		
PAVEMENT MARKING	1	Lump Sum
PROJECT SIGNAGE	1	Lump Sum
TRAFFIC CONTROL (Construction)	1	Lump Sum
SIGNALIZATION OF 29TH STREET NORTH & MAIZE ROAD	1	Lump Sum
SIGNALIZATION OF 29TH STREET NORTH & TYLER ROAD	1	Lump Sum
MEASURED QUANTITY BID ITEMS		
REINFORCED CONCRETE PAVEMENT (150mm) (Drives) (Class A) (AE)	236	sq. m
SIDEWALK CONCRETE (100mm)	6,804	sq. m
NON STANDARD BID ITEMS		
PROJECT EROSION CONTROL	1	Lump Sum
NON-PARTICIPATING ITEMS		
TRANSPORTATION OF SALVAGE MATERIAL	1	Lump Sum
ADJUSTMENT OF WATER VALVES	1	Lump Sum
ADJUSTMENT OF SWS MANHOLES (Includes New Ring & Cover)	5	Each
ADJUSTMENT OF SS MANHOLES (Includes New Ring & Cover)	1	Each
PROJECT SIGNAGE (D-3 Metro Street Name Signs)	1	Lump Sum
PRIVATE SPRINKLER SYSTEM RESTORATION	1	Lump Sum
PVC PIPE IRRIGATION SLEEVES (100mm)	364	m

REMOVAL OF EXISTING STRUCTURES			
STATION	ROADWAY	SIDE	ITEM
1+028	29th Street North	Lt.	Concrete End Section
1+028	29th Street North	Rt.	Concrete End Section
1+032	29th Street North	Rt.	6.2m of 460mm RCP
1+035	29th Street North	Rt.	10.9m of 460mm RCP
1+081	29th Street North	Rt.	7.8m of 460mm RCP
1+391	29th Street North	Lt.	7.3m of 460mm RCP
1+505	29th Street North	Rt.	Gate Post
1+510	29th Street North	Rt.	7.8m of 460mm RCP
1+515	29th Street North	Rt.	Gate Post
1+595	29th Street North	Rt.	Wooden Post
1+595	29th Street North	Rt.	Wooden Post
1+599	29th Street North	Rt.	Sign
1+621	29th Street North	Rt.	Sign
1+628	29th Street North	Rt.	11.1m of 510mmX710mm CMP
1+628	29th Street North	Rt.	Low Water Crossing
1+632	29th Street North	Rt.	Wooden Post
1+787	29th Street North	Rt.	Guard Post
1+794	29th Street North	Rt.	11.6m of 460mm RCP
1+802	29th Street North	Rt.	Guard Post
1+802	29th Street North	Rt.	Fence Post
2+031	29th Street North	Rt.	27.3m of 460mm RCP
2+118	29th Street North	Lt.	6.1m of 260mm Steel Pipe
2+153	29th Street North	Rt.	5.5m of 460mm RCP
2+153	29th Street North	Rt.	Concrete Headwalls
2+520	29th Street North	Rt.	Reinforced Concrete Manhole
2+607	29th Street North	Rt.	48.2m of 530mm RCP
2+607	29th Street North	Lt.	21.9m of 580mmX960mm RCP

FOR INFORMATION ONLY.

REMOVAL OF EXISTING TREES			
STATION	ROADWAY	SIDE	TREE SIZE
1+156	29th Street North	Rt.	Bush
1+160	29th Street North	Rt.	340mm Tree
1+216	29th Street North	Rt.	400mm Tree
1+815	29th Street North	Rt.	170mm Tree
1+860	29th Street North	Rt.	240mm Tree
1+870	29th Street North	Rt.	50mm Tree
1+890	29th Street North	Rt.	170mm Tree
1+898	29th Street North	Rt.	200mm Tree
1+907	29th Street North	Rt.	170mm Tree
1+921	29th Street North	Rt.	160mm Tree
1+930	29th Street North	Rt.	30mm Tree
1+959	29th Street North	Rt.	170mm Tree
1+966	29th Street North	Rt.	200mm Tree
1+987	29th Street North	Rt.	200mm Tree
2+085	29th Street North	Rt.	150mm Tree
2+104	29th Street North	Rt.	180mm Tree
2+357	29th Street North	Rt.	190mm Tree
2+359	29th Street North	Rt.	190mm Tree
2+387	29th Street North	Rt.	220mm Tree
2+421	29th Street North	Rt.	230mm Tree

FOR INFORMATION ONLY. Cost to be SUBSIDIARY to the Bid Item 'R/W Clearing and Site Preparation'.

PVC PIPE IRRIGATION SLEEVES				
STATION	SIDE	ROADWAY	DIA.	LENGTH
1+100.02	Lt.	29th Street North	100mm	10.00m
1+168.80	Lt.	29th Street North	100mm	11.30m
1+212.00	Lt.	29th Street North	100mm	11.30m
1+332.00	Lt.	29th Street North	100mm	13.80m
1+409.00	Lt.	29th Street North	100mm	11.30m
1+559.00	Lt.	29th Street North	100mm	16.00m
1+659.00	Lt.	29th Street North	100mm	16.00m
1+759.00	Lt.	29th Street North	100mm	16.00m
1+806.29	Lt.	29th Street North	100mm	16.00m
1+818.00	Rt.	29th Street North	100mm	11.00m
1+901.00	Rt.	29th Street North	100mm	10.60m
1+901.84	Lt.	29th Street North	100mm	16.00m
1+993.00	Rt.	29th Street North	100mm	11.00m
1+997.40	Lt.	29th Street North	100mm	16.00m
2+094.00	Lt.	29th Street North	100mm	16.00m
2+113.50	Rt.	29th Street North	100mm	12.00m
2+219.70	Lt.	29th Street North	100mm	16.00m
2+219.70	Rt.	29th Street North	100mm	12.00m
2+345.40	Lt.	29th Street North	100mm	16.00m
2+345.40	Rt.	29th Street North	100mm	12.00m
2+435.20	Lt.	29th Street North	100mm	10.60m
2+435.20	Rt.	29th Street North	100mm	12.00m
2+525.93	Lt.	29th Street North	100mm	11.00m
2+525.93	Rt.	29th Street North	100mm	13.00m
3+887.252	Lt.	Tyler Road	100mm	11.30m
3+919.17	Lt.	Tyler Road	100mm	11.30m
4+080.80	Lt.	Tyler Road	100mm	11.00m
4+111.00	Lt.	Tyler Road	100mm	13.30m
TOTAL				363.8

SELECT FILL TOPSOIL				
STA. TO STA. (BASELINE)	ROADWAY	LOOSE FILL (cu. m.)	REMARKS	
1+099.023	1+170.800	29th Street	63.882	Median
1+210.000	1+334.000	29th Street	110.360	Median
1+407.000	1+780.000	29th Street	331.970	Median
1+804.287	1+999.400	29th Street	173.662	Median
2+092.000	2+347.400	29th Street	227.306	Median
2+433.200	2+527.392	29th Street	84.311	Median
3+867.742	3+921.170	Tyler Road	31.967	Median
4+078.800	4+113.000	Tyler Road	30.438	Median
TOTALS			1,053.896	

- 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:
 $1.1 * ((1.2 * \text{Volume of Compacted Fill}) - (0.8 * \text{Volume of Excavation})) = \text{Borrow Excavation (Contractor Furnished)}$



PROJECT NUMBER 472-83863		SHEET NAME Recap02		ENGINEERING DIRECTORY F:\Engl\29th North	
DESIGN TPV	DRAWN TPV	APPROVED JFB	DATE Oct. 2003	SCALE None	BAUGHMAN NO 02-02-E232

CAPITAL IMPROVEMENT PROJECT	
RECAPITULATION OF QUANTITIES	

BAUGHMAN COMPANY, P.A. ENGINEERING, SURVEYING, & PLANNING <small>316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211</small>	