

RECAPITULATION OF ROAD & PROJECT QUANTITIES		
ITEM	QUANTITY TOTAL	UNIT
<b>PAVING BID ITEMS</b>		
FIELD OFFICE & LAB (Type A)	1	Lump Sum
MOBILIZATION	1	Lump Sum
MOBILIZATION DBE	1	Lump Sum
SITE CLEARING & PREPARATION	1	Lump Sum
SITE RESTORATION	1	Lump Sum
SODDING	2,896	sq. m
REMOVAL OF EXISTING STRUCTURES	1	Lump Sum
PARKING LOT, SIDEWALK, & DRIVEWAY REMOVAL	9,129	sq. m
PAVEMENT REMOVAL (Includes Curb & Gutter)	18,788	sq. m
COMMON EXCAVATION	5,132	cu. m.
COMPACTED FILL (TYPE B)(MR-90)	109	cu. m.
A.C. PAVEMENT (180mm) (130mm BIT. BASE) (BM-2) (PG 70-28)	2,029	sq. m
ASPHALT MILL & OVERLAY (50mm) (BM-2)	437	sq. m
CONCRETE PAVEMENT (230mm) (NRDU) (Class A) (AE)	15,177	sq. m
REINFORCED CONCRETE PAVEMENT (230mm) (Class A) (AE)	1,970	sq. m
REINFORCED CONCRETE PAVEMENT (200mm) (Class A) (AE)	966	sq. m
REINFORCED CRUSHED ROCK BASE (150mm) (Includes Geogrid Reinf)	19,754	sq. m
REINFORCED CRUSHED ROCK BASE (180mm) (Includes Geogrid Reinf)	820	sq. m
REINFORCED CRUSHED ROCK BASE (200mm) (Includes Geogrid Reinf)	2,376	sq. m
CURB AND GUTTER (Combined) (AE) (Type I) (150mm)	2,458	m
CURB AND GUTTER (Combined) (AE) (Type III) (200mm)	81	m
MONOLITHIC EDGE CURB (AE)	223	m
WHEEL CHAIR RAMPS	30	Each
RETAINING WALL (Modular Block)	206	m
PAVING BRICK (80mm) (Includes Sand Base)	590	sq. m
PAVING BRICK (60mm) (Includes Sand Base)	508	sq. m
MONUMENT BOXES	10	Each
CONCRETE SIDEWALK FLUME	2	Each
<b>DRAINAGE BID ITEMS</b>		
STORM SEWER (375mm) (RCP)	282	m
STORM SEWER (450mm) (RCP)	34	m
STORM SEWER (600mm) (RCP)	207	m
STORM SEWER (300mm) (Ductile Iron)	18	m
STORM SEWER (360mm) (Ductile Iron)	8	m
INLET (CURB) (TYPE 1) (Single) (1.73m X 1.32m)	1	Each
INLET (CURB) (TYPE 1) (Double) (3.45m X 1.32m)	17	Each
INLET (DRIVE) (Double)	2	Each
INLET (CURB) (TYPE 1A) (Single) (1.93m X 1.32m)	1	Each
INLET (CURB) (TYPE 2) (1.89m X 1.03m)	2	Each
MANHOLE (Shallow Type "P") (1.52m Dia.)	4	Each
MANHOLE (Shallow Type "P") (1.22m Dia.)	1	Each
CURB OPENINGS (Includes PVC Pipe)	4	Each
<b>TRAFFIC &amp; PROJECT BID ITEMS</b>		
PAVEMENT MARKING	1	Lump Sum
PROJECT SIGNAGE	1	Lump Sum
TRAFFIC SIGNALIZATION HILLSIDE & DOUGLAS	1	Lump Sum
TRAFFIC SIGNALIZATION HILLSIDE & 1ST	1	Lump Sum
TRAFFIC SIGNALIZATION HILLSIDE & 2ND	1	Lump Sum
TRAFFIC SIGNAL INTERCONNECT	1	Lump Sum
TRAFFIC CONTROL (Construction)	1	Lump Sum
TEMPORARY SIGNALIZATION (3 LOCATIONS)	3	Each
<b>MEASURED QUANTITY BID ITEMS</b>		
CONCRETE SIDEWALK (100mm)	3,279	sq. m
CONCRETE SIDEWALK (Reinforced) (150mm)	447	sq. m
REINFORCED CONCRETE PAVEMENT (200mm) (DRIVES) (Class A) (AE)	2,086	sq. m
PROTECTION CURB (150mm & 200mm)	164	m
ASPHALT PARKING LOT PAVEMENT (150mm)	995	sq. m
CONC. PARKING LOT PAVEMENT (150mm)	217	sq. m
<b>NON-STANDARD BID ITEMS</b>		
PROJECT EROSION CONTROL	1	Lump Sum

See Sheet 57 for Recapitulation of Quantities for Water System Replacement

- Removal/Abandonment 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.

RECAPITULATION OF ROAD & PROJECT QUANTITIES (Continued)		
ITEM	QUANTITY TOTAL	UNIT
<b>NON-PARTICIPATING ITEMS</b>		
TRANSPORTATION OF SALVAGE MATERIAL	1	Lump Sum
<b>WATER MAIN SYSTEM REPLACEMENT</b>		
2" Pipe	102	Linear Feet
6" Pipe	64	Linear Feet
8" Pipe	648	Linear Feet
12" Pipe	2,809	Linear Feet
16" Pipe	632	Linear Feet
6" DICL	32	Linear Feet
8" DICL	80	Linear Feet
12" DICL	38	Linear Feet
Valve Assy 6"	3	Each
Anch Valve Assy 6"	1	Each
Valve Assy 8"	7	Each
Anch Valve Assy 8"	7	Each
Valve Assy 12"	5	Each
Anch Valve Assy 12"	1	Each
Service Outlet Assy 2"	1	Each
Custom Set & Service	1	Each
Fire Hydrant Assy	8	Each
Fire Hydrant Removal	6	Each
Blowoff Assy 2"	3	Each
Air Release Assy	1	Each
Tapping Valve Assy 12" by City	1	Each
Tapping Sleeve 20" X 12" by City	1	Each
Concrete Encasement of SS	20	Linear Feet
Relocate and Reinstall Water Service (Short)	23	Each
Relocate and Reinstall Water Service (Long)	22	Each
R/W Clearing & Site Prep	1	Lump Sum
Traffic Control	1	Lump Sum
Pavement Removal for Water Line	2,623	sq. m
Concrete Pavement (230mm) (NRDU) (Class A) (AE) for Water Line	2,623	sq. m
Reinforced Crushed Rock Base (150mm) (Includes Geogrid Reinf.) for Water Line	2,623	sq. m
<b>MAINTENANCE OF CITY PROPERTY</b>		
ADJUSTMENT OF SBC MANHOLE	11	Each
ADJUSTMENT OF WESTAR MANHOLE	6	Each
PROJECT SIGNAGE (D-3 Metro Street Name Signs)	1	Lump Sum
ADJUSTMENT OF WATER VALVES	1	Lump Sum
PRIVATE SPRINKLER SYSTEM RESTORATION	1	Lump Sum

REMOVAL OF EXISTING TREES (FOR INFORMATION ONLY)			
LOCATION	ROADWAY	SIDE	ITEM
N of Drive SE Corner Waterman	Hillside	Rt.	360mm Tree
N of Drive SW Corner Waterman	Hillside	Lt.	460mm Tree
SE Corner Waterman	Hillside	Rt.	200mm Tree
SE Corner Waterman	Hillside	Rt.	300mm Tree
65m N of NE Corner Waterman	Hillside	Rt.	300mm Tree
85m N of NE Corner Waterman	Hillside	Rt.	300mm Tree
100m N of NE Corner Waterman	Hillside	Rt.	300mm Tree
SW Corner English	Hillside	Lt.	510mm Tree
SW Corner Oakland	Hillside	Lt.	Bush
30m S of SW Corner Douglas	Hillside	Lt.	150mm Tree
23m S of SW Corner Douglas	Hillside	Lt.	150mm Tree
SW Corner Douglas	Hillside	Lt.	100mm Tree
NE Corner Victor Place	Hillside	Rt.	860mm Tree
50m S of SE Corner 2nd	Hillside	Rt.	850mm Tree
NE Corner 2nd	Hillside	Rt.	Pine Tree
9m N of NE Corner 2nd	Hillside	Rt.	Bush
12m N of NE Corner 2nd	Hillside	Rt.	Bush
14m N of NE Corner 2nd	Hillside	Rt.	Bush
20m N of NE Corner 2nd	Hillside	Rt.	Bush
S of Drive NE Corner 2nd	Hillside	Rt.	Small Bush
S of Drive NE Corner 2nd	Hillside	Rt.	130mm Tree
N of Drive NE Corner 2nd	Hillside	Rt.	150mm Tree
N of Drive NE Corner 2nd	Hillside	Rt.	Small Bush
18m N of NW Corner 2nd	Hillside	Lt.	300mm Tree
20m N of NW Corner 2nd	Hillside	Lt.	Pine Tree
48m N of NE Corner 2nd	Hillside	Rt.	360mm Tree
55m N of NE Corner 2nd	Hillside	Rt.	250mm Tree
55m N of NW Corner 2nd	Hillside	Lt.	300mm Tree
65m N of NW Corner 2nd	Hillside	Lt.	410mm Tree
SE Corner Chatfield	Hillside	Rt.	300mm Tree
35m S of SW Corner 3rd	Hillside	Lt.	Large Bush

REMOVAL OF EXISTING STRUCTURES (FOR INFORMATION ONLY)			
ITEM	ROADWAY	SIDE	LOCATION
Inlet	Hillside	Lt.	NW Corner Waterman
Inlet	Hillside	Rt.	SE Corner Waterman
Inlet	Hillside	Rt.	NE Corner Waterman
Sign & Sign Footing	Hillside	Rt.	60m S of SE Corner English
Conc. Edging	Hillside	Rt.	SE Corner English
Drop Inlet	Hillside	Lt.	NW Corner English
Sign & Sign Footing	Hillside	Lt.	25m S of SW Corner Douglas
(2) Light Poles & Base	Hillside	Lt.	SW Corner Douglas
Sign & Sign Footing	Hillside	Lt.	SW Corner Douglas
Signal Pole	Hillside	Lt.	SW Corner Douglas
Traffic Manhole	Hillside	Lt.	SW Corner Douglas
Signal Pole	Hillside	Rt.	SE Corner Douglas
Traffic Manhole	Hillside	Rt.	SE Corner Douglas
Signal Pole	Hillside	Lt.	NW Corner Douglas
Protection Curb	Hillside	Lt.	NW Corner Douglas
Metal Railing	Hillside	Lt.	NW Corner Douglas
Traffic Manhole	Hillside	Rt.	NE Corner Douglas
Signal Control Foundation	Hillside	Rt.	NE Corner Douglas
Signal Pole	Hillside	Rt.	NE Corner Douglas
(2) Drop Inlets	Hillside	Rt.	SE Corner Douglas
(3) SWS Manhole	Hillside	Rt.	SE Corner Douglas
Inlet	Hillside	Lt.	NE Corner Douglas
Sign & Sign Footing	Hillside	Lt.	NE Corner Douglas
(4) Light Poles & Base	Hillside	Lt.	NE Corner Douglas
Drop Inlet	Hillside	Rt.	NW Corner Douglas
Inlet	Hillside	Rt.	NW Corner Douglas
Sign & Sign Footing	Hillside	Lt.	75m N of NW Corner Douglas
Sign & Sign Footing	Hillside	Rt.	SE Corner Victor Place
Inlet	Hillside	Rt.	SE Corner Victor Place
Inlet	Hillside	Lt.	NE Corner Victor Place
Sign & Sign Footing	Hillside	Lt.	50m S of SW Corner 1st
Sign & Sign Footing	Hillside	Lt.	SW Corner 1st
Signal Pole	Hillside	Lt.	SW Corner 1st
Traffic Manhole	Hillside	Rt.	SE Corner 1st
Signal Pole	Hillside	Rt.	SE Corner 1st
Signal Pole	Hillside	Lt.	NW Corner 1st
Signal Pole	Hillside	Rt.	NE Corner 1st
Sign & Sign Footing	Hillside	Rt.	SE Corner 1st
Sign & Sign Footing	Hillside	Lt.	NW Corner 1st
(3) Inlets	Hillside	Rt.	SE Corner 1st
Drop Inlet	Hillside	Rt.	SE Corner 1st
(2) Inlets	Hillside	Rt.	NE Corner 1st
Planter	Hillside	Rt.	SE Corner 1st
Retaining Wall	Hillside	Rt.	SE Corner 1st
(2 Sets) Steps	Hillside	Rt.	SE Corner 1st
Water Vault	Hillside	Lt.	35m N of NW Corner 1st
Sign & Sign Footing	Hillside	Lt.	50m N of NW Corner 1st
Water Vault	Hillside	Rt.	50m N of NE Corner 1st
Sign & Sign Footing	Hillside	Rt.	90m N of NE Corner 1st
Flag Pole	Hillside	Lt.	SW Corner 2nd
Signal Pole	Hillside	Lt.	SW Corner 2nd
Signal Pole	Hillside	Rt.	SE Corner 2nd
Signal Pole	Hillside	Lt.	NW Corner 2nd
Signal Pole	Hillside	Rt.	NE Corner 2nd
Drop Inlet	Hillside	Rt.	SE Corner 2nd
(3) Inlets	Hillside	Rt.	NE Corner 2nd
SWS Manhole	Hillside	Rt.	CL E 2nd
Retaining Wall	Hillside	Rt.	NE Corner 2nd
Protection Curb & Stairs	Hillside	Lt.	NW Corner 2nd
Old Sign Foundation	Hillside	Lt.	W of Chatfield
Protection Curb	Hillside	Rt.	S of Chatfield



PROJECT NUMBER 472-83862		SHEET NAME Tabsum3		ENGINEERING DIRECTORY F:\Hillside\Qty	
DESIGN STAFF	DRAWN STAFF	APPROVED JFB	DATE May 2006	SCALE NONE	BAUGHMAN NO 01-03-E947

CAPITAL IMPROVEMENT PROJECT	
<b>RECAPITULATION OF QUANTITIES</b>	
HILLSIDE AVENUE - KELLOGG TO 3RD STREET NORTH	

<b>BAUGHMAN COMPANY, P.A.</b>	
ENGINEERING, SURVEYING, & PLANNING	
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