

RECAPITULATION OF ROAD & 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
PERMANENT SEEDING	21,950	Sq. Yds.
SODDING	9,420	Sq. Yds.
REMOVAL OF EXISTING STRUCTURES	1	Lump Sum
REMOVAL OF ASPHALT PAVEMENT	20,536	Sq. Yds.
REMOVAL OF CONCRETE PAVEMENT (Includes Curb & Gutter)	122	Sq. Yds.
COMMON EXCAVATION	15,980	Cu. Yds.
COMPACTION OF EARTHWORK (TYPE B)(MR-90)	21,175	Cu. Yds.
BORROW EXCAVATION (Contractor Furnished)	11,560	Cu. Yds.
SELECT FILL TOPSOIL (Medians)	745	Cu. Yds.
A.C. PAVEMENT (7") (5" Bit. Base) (BM-2) (PG 70-28)		
REINFORCED CONCRETE PAVEMENT (10") (Class A) (AE)	411	Sq. Yds.
REINFORCED CONCRETE PAVEMENT (9") (Class A) (AE)	3,078	Sq. Yds.
REINFORCED CONCRETE PAVEMENT (8") (Class A) (AE)	1,713	Sq. Yds.
REINFORCED CRUSHED ROCK BASE (8") (Includes Geogrid Reinf.)	42,207	Sq. Yds.
REINFORCED CRUSHED ROCK BASE (7") (Includes Geogrid Reinf.)	1,636	Sq. Yds.
REINFORCED CRUSHED ROCK BASE (6") (Includes Geogrid Reinf.)	3,368	Sq. Yds.
CURB AND GUTTER (Combined) (Type I) (6") (AE)	10,820	Ft.
CURB AND GUTTER (Combined) (Type III) (8") (AE)	3,824	Ft.
MONOLITHIC EDGE CURB (6") (AE)	556	Ft.
STANDARD WHEELCHAIR RAMPS (6")	18	Each
PAVING BRICK (3 1/8") (Crosswalks) (Red)	425	Sq. Yds.
PAVING BRICK (2 3/8") (Medians) (Red)	465	Sq. Yds.
BRIDGE APPROACH SLAB FOOTING		
CONCRETE SAFETY BARRIER (Special) (AE)	136	Ft.
MODULAR BLOCK RETAINING WALL	15	Ft.
LUMP SUM BID ITEMS - DRAINAGE		
INLET (Curb) (Type 1A) (6' 4" X 4' 4")	2	Each
INLET (Curb) (Type 1A) (11' 4" X 4' 4")	8	Each
INLET (Curb) (Type 1A) (11' 4" X 5' 4")	1	Each
INLET (Curb) (Type 1A) (11' 4" X 6' 4")	3	Each
INLET (Curb) (Type 1A) (11' 4" X 7' 4")	3	Each
INLET (Curb) (Type 1) (6' 4" X 6' 4")	1	Each
INLET (Curb) (Type 1) (11' 4" X 4' 4")	1	Each
INLET (Curb) (Type 1) (11' 4" X 6' 4")	2	Each
MANHOLE (Standard Type "P") (6' Dia.)	3	Each
MANHOLE (Reinforced Concrete) (8' 4" X 8' 4")	2	Each
MANHOLE (Reinforced Concrete) (11' 4" X 7' 4")	1	Each
MANHOLE (Special Shallow Type "P") (4' Dia.)	1	Each
MANHOLE (Standard Shallow Type "P") (4' Dia.)	2	Each
MANHOLE (Standard Shallow Type "P") (5' Dia.)	1	Each
MANHOLE (Standard Shallow Type "P") (6' Dia.)	4	Each
STORM SEWER (15") (RCP) (Includes End Sections)	958	Ft.
STORM SEWER (14" X 23") (HERCP) (Includes End Sections)	272	Ft.
STORM SEWER (18") (RCP) (Includes End Sections)	333	Ft.
STORM SEWER (19" X 30") (HERCP)	85	Ft.
STORM SEWER (24") (RCP) (Includes End Section)	262	Ft.
STORM SEWER (24" X 38") (HERCP)	464	Ft.
STORM SEWER (30") (RCP) (Includes End Section)	301	Ft.
STORM SEWER (36") (RCP)	375	Ft.
STORM SEWER (42") (RCP)	1,998	Ft.
STORM SEWER (48") (Installed by Trenchless Methods)	270	Ft.
STORM SEWER (48") (RCP)	1,289	Ft.
STORM SEWER (54") (RCP)	342	Ft.
STORM SEWER (60") (RCP)	428	Ft.
WINGWALLS (42" RCP)	1	Each
WINGWALLS (60" RCP)	1	Each
LIGHT STONE RIP RAP	86	Sq. Yds.
HEAVY STONE RIP RAP	32	Sq. Yds.
LUMP SUM BID ITEMS - TRAFFIC		
PAVEMENT MARKING	1	Lump Sum
PROJECT SIGNAGE	1	Lump Sum
TRAFFIC CONTROL (Construction)	1	Lump Sum
TRAFFIC SIGNAL INTERCONNECT	1	Lump Sum
TRAFFIC SIGNALIZATION AT 37TH STREET NORTH & RIDGE ROAD	1	Lump Sum
TRAFFIC MANHOLES & CONDUIT AT 37TH STREET NORTH & TYLER ROAD	1	Lump Sum
LUMP SUM BID ITEMS - LANDSCAPING		
LANDSCAPING	1	Lump Sum
PROJECT EROSION CONTROL	1	Lump Sum
MEASURED QUANTITY BID ITEMS		
A.C. PAVEMENT (6") (Drive) (BM-2)	888	Sq. Ft.
REINFORCED CONCRETE PAVEMENT (8") (Drives) (Class A) (AE)	1,931	Sq. Ft.
SIDEWALK CONCRETE (4")	62,913	Sq. Ft.
PROTECTION CURB (6" & 8")	654	Ft.
CRUSHED ROCK SURFACE (6") (Drive Hook-up)	1,810	Sq. Ft.
SAND FILL, FLUSHED & VIBRATED	7,050	Ft.
NON-PARTICIPATING ITEMS		
TRANSPORTATION OF SALVAGE MATERIAL	1	Lump Sum
ADJUSTMENT OF WATER VALVES	1	Lump Sum
ADJUSTMENT OF SS MANHOLES	7	Each
PROJECT SIGNAGE (D-3 Metro Street Name Signs)	1	Lump Sum
PRIVATE SPRINKLER SYSTEM RESTORATION	1	Lump Sum
PVC PIPE IRRIGATION SLEEVES (6")	136	Ft.
WATER PIPE (8") (DICL)	59	Ft.
WATER PIPE (16") (DICL)	34	Ft.
FIRE HYDRANT ADJUSTMENTS	2	Each
FIRE HYDRANT RELOCATIONS	3	Each
BRIDGE PLAQUE	1	Each

See Sheet 32 for Recapitulation of Quantities for Bridge No. 4304008700UBS30
See Sheet 103 for Landscaping Bill of Materials

PROTECTION CURB

STA. TO STA. (BASELINE)	ROADWAY	SIDE	HEIGHT	LENGTH (ft.)	REMARKS
28+00	30+75	37th Street	Lt.	6"	275.4 Measured Quantity
32+34.5	36+00	37th Street	Lt.	8"	378.2 Measured Quantity
				TOTAL	653.6

PVC PIPE IRRIGATION SLEEVES

STATION	SIDE	ROADWAY	DIA.	LENGTH	
13+45.0	Lt.	37th Street North	6"	34.0 ft.	
35+25.0	Lt.	37th Street North	6"	34.0 ft.	
42+45.0	Lt.	37th Street North	6"	34.0 ft.	
44+70.0	Lt.	37th Street North	6"	34.0 ft.	
				TOTAL	136.0 ft.

SEEDING/SODDING QUANTITIES

PROCESS	AREA OF RESTORATION (Sq. Yds.)	REMARKS
Seeding	21,256	Non-Lawn/Turf Areas
Sodding	9,395	Lawn/Turf Areas

SLOPE PROTECTION (RIPRAP STONE)

STATION (BASELINE)	ROADWAY	SIDE	LIGHT STONE RIP RAP (Sq. Yds.)	REMARKS	
7+50.00	37th Street	35.0' Lt.	9.2	End Section of RCP	
7+50.00	37th Street	38.0' Rt.	9.2	End Section of RCP	
7+81.12	37th Street	42.0' Rt.	6.2	End Section of RCP	
23+15.00	37th Street	65.3' Rt.	5.3	End Section of RCP	
40+28.53	37th Street	57.5' Rt.	5.3	End Section of RCP	
43+70.00	37th Street	57.5' Rt.	5.3	End Section of RCP	
47+57.52	37th Street	55.4' Rt.	6.9	End Section of RCP	
62+73.13	37th Street	112.3' Lt.	6.2	End Section of RCP	
85+35.00	Tyler Road	32.0' Lt.	5.3	End Section of RCP	
85+35.00	Tyler Road	32.0' Rt.	5.3	End Section of RCP	
86+36.35	Tyler Road	40.9' Lt.	5.3	End Section of RCP	
89+00.42	Tyler Road	95.0' Lt.	5.3	End Section of RCP	
93+10.00	Tyler Road	31.0' Lt.	5.3	End Section of RCP	
93+10.00	Tyler Road	31.0' Rt.	5.3	End Section of RCP	
				TOTALS	85.4
				HEAVY STONE RIP RAP (Sq. Yds.)	
47+95.10	37th Street	55.0' Rt.	17.8	60" Wingwall	
49+09.10	37th Street	54.0' Rt.	13.4	42" Wingwall	
				TOTALS	31.2

- 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 * ((1.1 * Volume of Compacted Fill) - (0.8 * Volume of Excavation)) = Borrow Excavation (Contractor Furnished)

REMOVAL OF EXISTING STRUCTURES

STATION	ROADWAY	SIDE	ITEM
7+50	37th Street North	--	44.2' L.F. 23" X 14" HERCP
7+54	37th Street North	--	44.0' L.F. 23" X 14" HERCP
8+32	37th Street North	Rt.	2-28.2 L.F. 15" CMP
12+63	37th Street North	Lt.	3-3" Galvanized Mon. Wells*
23+36	37th Street North	Rt.	20.5 L.F. 24" CMP
24+13	37th Street North	--	32.0 L.F. 18" CMP
25+13	37th Street North	--	61.4 L.F. 24" X 36" HECMP
26+48	37th Street North	Rt.	19.8 L.F. 30" CMP
28+45	37th Street North	--	36.0 L.F. 18" CMP
39+63	37th Street North	Lt.	2-98.5 L.F. 24" RCP
40+99	37th Street North	Rt.	20.0 L.F. 24" CMP
43+49	37th Street North	Rt.	40.6 L.F. 18" RCP
46+47	37th Street North	Rt.	48.3 L.F. 24" CMP
48+04	37th Street North	--	Wooden Timber Bridge
52+54	37th Street North	--	40.0 L.F. 24" CMP
62+49	37th Street North	--	31.1 L.F. 4' X 3' RCBC
89+47	Tyler Road	--	54.0 L.F. 18" CMP
89+52	Tyler Road	--	54.0 L.F. 18" CMP
91+50	Tyler Road	Lt.	35.9 L.F. 18" CMP
91+78	Tyler Road	--	47.6 L.F. 18" RCP
91+78	Tyler Road	--	Inlet
93+43	Tyler Road	Lt.	Wooden RR Ties
93+43	Tyler Road	Lt.	35.9 L.F. 15" CMP

* Ground Water Management #2, (316) 835-2224, requested that the Contractor excavate around the monitoring wells so that they may be cutoff and abandoned 3' below the bottom of the proposed pavement by Ground Water Management personnel during construction. All costs associated with this work shall be considered SUBSIDIARY to the bid item "Removal of Existing Structures."

FOR INFORMATION ONLY.

SELECT FILL TOPSOIL

STA. TO STA. (BASELINE)	ROADWAY	LOOSE FILL (Cu. Yds.)	REMARKS
13+24.93	14+75.66	37th Street North	163.7 Median
33+31.00	36+44.00	37th Street North	340.0 Median
41+56.00	42+84.00	37th Street North	139.0 Median
44+56.00	45+50.00	37th Street North	102.1 Median
		TOTALS	744.8

VALVE BOX & METER CAN ADJUSTMENT

STATION	ROADWAY	SIDE	ITEM
9+62	37th Street North	64' Rt.	Water Valve
9+64	37th Street North	67' Rt.	Water Valve
9+67	37th Street North	64' Rt.	Water Valve
10+51	37th Street North	64' Rt.	Air Release in Meter Can
19+81	37th Street North	51' Lt.	Valve #V39340
19+83	37th Street North	52' Lt.	Valve #V39341
20+04	37th Street North	47' Lt.	Valve #V39342
21+48	37th Street North	47' Lt.	Valve #V39343
21+51	37th Street North	60' Rt.	Blow Off in Valve Box
31+14	37th Street North	50' Lt.	Air Release in Meter Can
31+18	37th Street North	50' Lt.	Valve #V39345
31+20	37th Street North	52' Lt.	Valve #V39346
32+41	37th Street North	48' Lt.	Valve #V39347
39+95	37th Street North	52' Lt.	Valve #V39348
40+00	37th Street North	52' Lt.	Air Release in Meter Can
45+30	37th Street North	38' Rt.	Valve #V39350
51+91	37th Street North	39' Rt.	Air Release in Meter Can
52+03	37th Street North	37' Rt.	Valve #V39352
55+41	37th Street North	24' Rt.	Water Valve
60+62	37th Street North	60' Rt.	Air Release in Meter Can
62+44	37th Street North	69' Rt.	Water Valve
62+47	37th Street North	68' Rt.	Water Valve

FOR INFORMATION ONLY. Cost to be SUBSIDIARY to the Bid Item "Adjustment of Water Valves".

REMOVAL OF EXISTING TREES

STATION	ROADWAY	SIDE	TREE SIZE
7+33	37th Street North	Lt.	10" Tree
7+39	37th Street North	Lt.	28" Tree
7+74	37th Street North	Lt.	38" Tree
7+75	37th Street North	Lt.	10" Tree
7+94	37th Street North	Lt.	40" Tree
8+57	37th Street North	Lt.	10" Tree
8+58	37th Street North	Lt.	12" Tree
8+69	37th Street North	Lt.	66" Tree
8+83	37th Street North	Lt.	4" Tree
8+94	37th Street North	Lt.	4" Tree
8+98	37th Street North	Lt.	4" Tree
9+00	37th Street North	Lt.	4" Tree
9+00	37th Street North	Lt.	4" Tree
9+06	37th Street North	Lt.	4" Tree
9+08	37th Street North	Lt.	8" Tree
9+08	37th Street North	Lt.	4" Tree
11+31	37th Street North	Rt.	6" Tree
11+34	37th Street North	Lt.	20" Tree
11+45	37th Street North	Lt.	20" Tree
36+67	37th Street North	Lt.	4" Pine
36+80	37th Street North	Lt.	4" Pine
36+94	37th Street North	Lt.	4" Pine
37+27	37th Street North	Lt.	4" Pine
37+40	37th Street North	Lt.	4" Pine
38+03	37th Street North	Lt.	4" Pine
38+15	37th Street North	Lt.	4" Pine
38+58	37th Street North	Lt.	4" Pine
38+71	37th Street North	Lt.	4" Pine
40+21	37th Street North	Rt.	6" Tree
40+48	37th Street North	Rt.	8" Tree
40+55	37th Street North	Lt.	4" Pine
40+72	37th Street North	Lt.	4" Pine
40+81	37th Street North	Rt.	Bush
41+04	37th Street North	Lt.	4" Pine
41+14	37th Street North	Rt.	Bush
41+16	37th Street North	Rt.	Bush
41+18	37th Street North	Rt.	Bush
41+19	37th Street North	Lt.	4" Pine
41+34	37th Street North	Lt.	4" Pine
41+37	37th Street North	Rt.	8" Tree
41+69	37th Street North	Lt.	4" Pine
41+85	37th Street North	Rt.	4" Tree
41+86	37th Street North	Lt.	4" Pine
42+02	37th Street North	Lt.	4" Pine
42+17	37th Street North	Lt.	4" Pine
42+45	37th Street North	Lt.	4" Pine
42+57	37th Street North	Rt.	4" Tree
42+62	37th Street North	Lt.	4" Pine
42+79	37th Street North	Lt.	4" Pine
42+97	37th Street North	Rt	