

### 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	1	Lump Sum
PERMANENT CHANNEL SEEDING	1	Lump Sum
SODDING	1	Lump Sum
REMOVAL OF EXISTING STRUCTURES	1	Lump Sum
REMOVAL OF ASPHALT PAVEMENT	24,555	Sq. Yds.
REMOVAL OF CONCRETE PAVEMENT (Includes Curb & Gutter)	415	Sq. Yds.
COMMON EXCAVATION	44,688	Cu. Yds.
COMPACTION OF EARTHWORK (TYPE B)(MR-90)	6,743	Cu. Yds.
SELECT FILL TOPSOIL (Medians)	320	Cu. Yds.
A.C. PAVEMENT (6") (4" Bit. Base) (BM-2)	242	Sq. Yds.
A.C. PAVEMENT (7") (5" Bit. Base) (BM-2)	33,100	Sq. Yds.
REINFORCED CONCRETE PAVEMENT (9") (Intersection) (Class A) (AE)	2,692	Sq. Yds.
REINFORCED CONCRETE PAVEMENT (8") (Valley Gutter) (Class A) (AE)	1,828	Sq. Yds.
REINFORCED CRUSHED ROCK BASE (8") (Includes Geogrid Reinf.)	39,473	Sq. Yds.
REINFORCED CRUSHED ROCK BASE (7") (Includes Geogrid Reinf.)	1,588	Sq. Yds.
REINFORCED CRUSHED ROCK BASE (6") (Includes Geogrid Reinf.)	3,308	Sq. Yds.
2" MILL & OVERLAY (BM-2)	779	Sq. Yds.
CURB AND GUTTER (Combined) (Type I) (6") (AE)	12,103	Ft.
CURB AND GUTTER (Combined) (Type III) (8") (AE)	4,300	Ft.
CURB AND GUTTER (Combined) (Roll Type) (3.5") (AE)	40	Ft.
MONOLITHIC EDGE CURB (6") (AE)	1,006	Ft.
INLET HOOK-UPS	33	Each
STANDARD WHEELCHAIR RAMPS (6')	26	Each
PAVING BRICK (3 1/8") (Crosswalks) (Red) (Holland Stone)	337	Sq. Yds.
PAVING BRICK (2 3/8") (Medians) (Red) (Holland Stone)	627	Sq. Yds.
ADJUSTMENT OF SS MANHOLES	2	Each
<b>LUMP SUM BID ITEMS - DRAINAGE</b>		
INLET (Curb) (Type 1A) (5' 4" X 4' 4")	1	Each
INLET (Curb) (Type 1A) (11' 4" X 4' 4")	31	Each
INLET (Curb) (Type 1A) (11' 4" X 5' 4")	1	Each
INLET (Special) (7' 0" X 4' 0")	1	Each
MANHOLE (Reinforced Concrete) (10' 0" X 6' 0")	1	Each
MANHOLE (Reinforced Concrete) (7' 6" X 4' 0")	2	Each
MANHOLE (Reinforced Concrete) (7' 0" X 4' 0")	2	Each
MANHOLE (Standard Type "P") (4' Dia.)	1	Each
MANHOLE (Shallow Type "P") (5' Dia.)	2	Each
MANHOLE (Shallow Type "P") (6' Dia.)	2	Each
ACCESS MANHOLE (Includes Ring & Cover)	12	Each
STORM SEWER (15") (RCP)	1,000	Ft.
STORM SEWER (15") (Pipe) (Includes End Sections)	129	Ft.
STORM SEWER (18") (RCP)	198	Ft.
STORM SEWER (18") (Pipe)	255	Ft.
STORM SEWER (24") (RCP)	596	Ft.
STORM SEWER (36") (RCP)	300	Ft.
STORM SEWER (36") (Pipe) (Includes End Sections)	160	Ft.
STORM SEWER (42") (RCP)	342	Ft.
STORM SEWER (42") (Pipe)	36	Ft.
STORM SEWER (53" X 34") (HERCP)	314	Ft.
STORM SEWER (48") (RCP)	192	Ft.
STORM SEWER (54") (RCP)	369	Ft.
STORM SEWER (5' X 4') (RCBC)	813	Ft.
STORM SEWER (6' X 4') (RCBC)	1,450	Ft.
STORM SEWER (7' X 4') (RCBC)	991	Ft.
WINGWALLS (7' X 4' RCBC)	2	Each
SAND BACKFILL, FLUSHED & VIBRATED	7,145	Ft.
ADJUSTMENT OF SWS MANHOLES	1	Each
LIGHT STONE RIP RAP	61	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 & 47TH STREET SOUTH	1	Lump Sum
47TH STREET SOUTH & SENECA SIGNALIZATION UPGRADE	1	Lump Sum
<b>MEASURED QUANTITY BID ITEMS - PAVING</b>		
REINFORCED CONCRETE PAVEMENT (8") (Drives) (Class A) (AE)	10,927	Sq. Ft.
SIDEWALK CONCRETE (4")	64,884	Sq. Ft.
REINFORCED CONCRETE PAVEMENT (8") (Drive Hook-up) (Class A) (AE)	256	Sq. Ft.
A.C. PAVEMENT (5") (Temporary) (Pipe Crossings)	200	Sq. Yds.
A.C. PAVEMENT (6") (Drive Hook-up) (BM-2)	128	Sq. Ft.
CRUSHED ROCK SURFACE (6") (Drive Hook-up)	1,810	Sq. Ft.
PROTECTION CURB (6" & 8")	542	Ft.
LARGE TREE REMOVED (Larger than 15")	52	Each
SMALL TREE REMOVED (15" & Smaller)	74	Each
SIGN, ELECTRONIC PORTABLE MESSAGE	180	Days
<b>NON-PARTICIPATING ITEMS</b>		
TRANSPORTATION OF SALVAGE MATERIAL	1	Lump Sum
PROJECT SIGNAGE (D-3 Metro Street Name Signs)	1	Lump Sum
REMOVAL OF EXISTING STRUCTURES (Non-Participating)	1	Lump Sum

See Sheet 95  
See Sheet 95  
See Sheet 95  
See This Sheet

See Sheet 78  
See Sheet 80  
See Sheets 82-88  
See Sheet 73  
See Sheet 73

See Sheet 80  
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See Sheet 70 for Water Line Bill of Materials (Non-Participating)  
See Sheet 96 for Landscaping Bill of Materials  
See Sheet 110 for Erosion Control Bill of Materials

### REMOVAL OF EXISTING STRUCTURES

STATION	ROADWAY	SIDE	ITEM
11+60	47th Street South	Lt.	140 L.F. Wire Mesh Fence
12+75	47th Street South	Lt.	Wood Cattle Corral
13+05	47th Street South	Lt.	45 L.F. Wire Mesh Fence
13+24	47th Street South	Lt.	Concrete Well Housing
13+30	47th Street South	Lt.	Concrete Water Tank
13+49	47th Street South	Lt.	Feed Bunk
13+25	47th Street South	Lt.	Concrete Pad
16+77	47th Street South	Lt.	Wooden Post w/ Wire Cable
16+84	47th Street South	Lt.	2-65 L.F. 36" RCP
19+34	47th Street South	Rt.	7.6 L.F. 24" RCP
22+56	47th Street South	Rt.	7.8 L.F. 24" RCP
22+69	47th Street South	Lt.	40.0 L.F. 30" CMP
25+77	47th Street South	Rt.	7.6 L.F. 24" RCP
27+78	47th Street South	Rt.	67.1 L.F. 24" RCP
29+76	47th Street South	Rt.	52.4 L.F. 24" RCP
33+13	47th Street South	Lt.	54.5 L.F. 18" CMP
33+31	47th Street South	Lt.	Post
33+60	47th Street South	Lt.	2-70.1 L.F. 32" X 48" HERCP
33+75	47th Street South	Lt.	Post
35+13	47th Street South	Rt.	20.4 L.F. 24" CMP
35+90	47th Street South	--	40 L.F. 15" RCP
36+42	47th Street South	Rt.	Area Inlet
36+67	47th Street South	Rt.	68.6 L.F. 42" RCP
37+50	47th Street South	Rt.	44.2 L.F. 48" RCP
37+87	47th Street South	--	96.2 L.F. 48" RCP
38+12	47th Street South	Lt.	Area Inlet
38+73	47th Street South	Lt.	95 L.F. Privacy Fence
39+24	47th Street South	Rt.	23.5 L.F. 36" CMP
39+50	47th Street South	Lt.	48 L.F. Split Rail Fence
39+70	47th Street South	Lt.	32.3 L.F. 24" RCP
40+81	47th Street South	Lt.	65 L.F. Chain Link Fence
41+49	47th Street South	Lt.	92 L.F. Privacy Fence
42+48	47th Street South	Lt.	59.6 L.F. 18" CMP
42+50	47th Street South	Rt.	Cattle Guard
43+55	47th Street South	Lt.	62 L.F. Chain Link Fence
43+96	47th Street South	Lt.	19 L.F. Picket Fence
44+24	47th Street South	Lt.	20.2 L.F. 18" RCP
44+80	47th Street South	Lt.	59 L.F. White Vinyl Fence
45+31	47th Street South	Lt.	50.4 L.F. 18" CMP
46+15	47th Street South	Lt.	116 L.F. Chain Link Fence
46+74	47th Street South	Lt.	14 L.F. Privacy Fence
47+58	47th Street South	Lt.	19.8 L.F. 18" CMP
47+88	47th Street South	Rt.	43.8 L.F. 15" CMP
47+98	47th Street South	Lt.	20.1 L.F. 18" CMP
48+91	47th Street South	Lt.	36.0 L.F. 18" RCP
50+02	47th Street South	Lt.	169 L.F. Chain Link Fence
50+89	47th Street South	Lt.	20.2 L.F. 18" RCP
51+84	47th Street South	Lt.	200 L.F. Chain Link Fence
53+40	47th Street South	Lt.	125 L.F. Wire Mesh Fence
53+59	47th Street South	Rt.	43.9 L.F. 15" CMP
53+98	47th Street South	Lt.	Gate
54+01	47th Street South	Lt.	30.0 L.F. 18" RCP
54+09	47th Street South	Lt.	Post
54+84	47th Street South	Lt.	159 L.F. Wire Mesh Fence
55+69	47th Street South	Lt.	Gate
55+71	47th Street South	Lt.	19.8 L.F. 18" RCP
55+76	47th Street South	Lt.	Post
55+87	47th Street South	Lt.	22 L.F. Wire Mesh Fence
56+09	47th Street South	Lt.	22 L.F. Privacy Fence
56+14	47th Street South	Lt.	Railroad Ties
56+21	47th Street South	Lt.	19.7 L.F. 18" RCP
56+30	47th Street South	Lt.	Railroad Ties

### EXISTING MAILBOX REPLACEMENTS

STATION	ROADWAY	SIDE	# of BOXES
35+37	47th Street South	Rt.	1
36+64	47th Street South	Lt.	1
42+60	47th Street South	Rt.	1
42+69	47th Street South	Rt.	2
44+10	47th Street South	Lt.	1
46+40	47th Street South	Lt.	1
47+48	47th Street South	Lt.	1
48+74	47th Street South	Lt.	1
50+75	47th Street South	Lt.	1
56+38	47th Street South	Lt.	1
56+96	47th Street South	Lt.	1
96+83	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".

### REMOVAL OF EXISTING STRUCTURES, cont.

STATION	ROADWAY	SIDE	ITEM
56+44	47th Street South	Lt.	Railroad Ties
56+48	47th Street South	Rt.	43.7 L.F. 15" CMP
56+76	47th Street South	Lt.	20 L.F. Chain Link Fence
56+84	47th Street South	Lt.	19.8 L.F. 18" RCP
56+84	47th Street South	Lt.	Gates
57+18	47th Street South	Lt.	64 L.F. Chain Link Fence
58+41	47th Street South	Lt.	Ballard
59+02	47th Street South	Lt.	20 L.F. Wire Mesh Fence
59+02	47th Street South	Rt.	Approx. 88 L.F. 18" RCP
59+72	47th Street South	Rt.	Traffic Junction Box
95+24	Meridian Avenue	Lt.	32 L.F. Concrete Wall
95+40	Meridian Avenue	Lt.	39.8 L.F. 15" RCP
95+79	Meridian Avenue	Lt.	80 L.F. Concrete Wall
96+25	Meridian Avenue	Lt.	21 L.F. Split Rail Fence
96+50	Meridian Avenue	Lt.	28 L.F. Concrete Wall
96+82	Meridian Avenue	Lt.	24 L.F. Split Rail Fence
96+95	Meridian Avenue	Lt.	14 L.F. Concrete Wall
97+03	Meridian Avenue	Lt.	20.8 L.F. 15" RCP
97+11	Meridian Avenue	Lt.	14 L.F. Concrete Wall
97+21	Meridian Avenue	Lt.	15 L.F. Split Rail Fence
97+39	Meridian Avenue	Lt.	22 L.F. Concrete Wall
97+70	Meridian Avenue	Lt.	Concrete Column
100+90	Meridian Avenue	Rt.	21.5 L.F. 18" RCP
102+91	Meridian Avenue	Lt.	500 L.F. Wire Mesh Fence
102+91	Meridian Avenue	Rt.	204 L.F. Wire Mesh Fence
104+50	Meridian Avenue	Lt.	57 L.F. 15" RCP w/ End Sect.
104+50	Meridian Avenue	Rt.	30 L.F. 24" RCP

FOR INFORMATION ONLY.

### REMOVAL OF EXISTING STRUCTURES (NON-PARTICIPATING)

STATION	ROADWAY	SIDE	ITEM
104+50	Meridian Avenue	Rt.	Special Manhole & Conc. Apron

FOR INFORMATION ONLY.

### SLOPE PROTECTION (RIPRAP STONE)

STATION (BASELINE)	ROADWAY	SIDE	LIGHT STONE RIP RAP (Sq. Yds.)	HEAVY STONE RIP RAP (Sq. Yds.)	REMARKS
33+15.18	47th Street South	85.0' Lt.	19.0	--	End Section of RCP
33+95.18	47th Street South	85.0' Lt.	19.0	--	End Section of RCP
52+78.71	47th Street South	50.0' Lt.	5.3	--	End Section of RCP
95+25.70	Meridian Avenue	47.2' Rt.	5.3	--	End Section of RCP
95+69.57	Meridian Avenue	47.5' Lt.	5.3	--	End Section of RCP
--	Elizabeth Ave	--	3.5	--	End of Ex. Conc. Flume
--	Elizabeth Ave	--	3.5	--	End of Ex. Conc. Flume
TOTALS			60.9	--	

### PVC PIPE IRRIGATION SLEEVES\*

STATION	SIDE	ROADWAY	DIA.	LENGTH
18+60.0	Rt.	47th Street South	6"	35.0 ft.
18+60.0	Lt.	47th Street South	6"	35.0 ft.
26+15.0	Rt.	47th Street South	6"	35.0 ft.
26+15.0	Lt.	47th Street South	6"	35.0 ft.
TOTAL				140.0 ft.

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

### ADJUSTMENT OF SS MANHOLES

STATION (BASELINE)	SIDE	ROADWAY	REMARKS
10+11.58	8.96' Lt.	47th Street South	
10+11.58	49.95' Lt.	47th Street South	

### ADJUSTMENT OF SWS MANHOLES

STATION (BASELINE)	SIDE	ROADWAY	REMARKS
104+50.00	22.50' Rt.	Meridian Avenue	

- 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."