ADJUSTMENT ITEMS	EX	PR
Structure To Be Adjusted		ADJ
Structure To Be Cleaned		C
Structure To Be Filled		F
Structure To Be Removed		R
Structure To Be Reconstructed		REC
Frame and Grate To Be Adjusted		A
Frame and Lid To Be Adjusted		A
Domestic Service Box To Be Adjusted		A
Valve Vault To Be Adjusted		A
Special Adjustment		SP
Item To Be Abandoned		AB
Item To Be Moved		M
Item To Be Relocated		REL
Pavement Removal and Replacement		

ALIGNMENT ITEMS	EX	PR
Baseline		
Centerline		
Centerline Break Circle		
Baseline Symbol	BL	BL
Centerline Symbol	℄	℄
PI Indicator		
Point Indicator		
Horiz Curve Data	CURVE P.I. STA= Δ= R= T= L= E= e= T.R.= S.E. RUN= P.C. STA= P.T. STA=	CURVE P.I. STA= Δ= R= T= L= E= e= T.R.= S.E. RUN= P.C. STA= P.T. STA=

BOUNDARIES ITEMS	EX	PR
Dashed Property Line		
Solid Property/Lot Line		
Section/Grant Line		
County/Township Line		
State Line		
Iron Pipe Found		
Iron Pipe Set		
Survey Marker		
Property Line Symbol	PL	
Some Ownership Symbol		
Northwest Quarter Corner		
Section Corner		
Southeast Quarter Corner		

CONTOUR ITEMS	EX	PR
Approx. Index Line		
Approx. Intermediate Line		
Index Contour		
Intermediate Contour		
Slope Limit Line		

DRAINAGE ITEMS	EX	PR
Culvert Line		
Ditch Profile Line		
Grading & Shaping Ditches		
Drainage Boundary Line		
Paved Ditch		
Aggregate Ditch		
Flowline	FL	FL
Ditch Check		
Headwall		
Inlet		
Manhole		
Summit		
Roadway Ditch Flow		
Swale		
Catch Basin		
Culvert End Section		
Water Surface Indicator		
Riprap		

Illinois Department of Transportation

PASSED January 2, 2002

ENGINEER OF TRAFFIC AND HIGHWAY SAFETY

APPROVED January 2, 2002

ENGINEER OF DESIGN AND ENVIRONMENT

SCALE: 1:1.5

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

(Sheet 2 of

STANDARD 000001-04

EROSION & SEDIMENT CONTROL ITEMS

	EX	PR
Clearing & Grading Limits		
Dike		
Erosion Control Fence		
Perimeter Erosion Barrier		
Temporary Fence		
Ditch Check Temporary		
Ditch Check Permanent		
Inlet & Pipe Protection		
Sediment Basin		
Erosion Control Blanket		
Fabric Formed Concrete Revetment Mat		
Turf Reinforcement Mat		
Mulch Temporary		
Mulch Method 1		
Mulch Method 2 Stabilized		
Mulch Method 3 Hydraulic		

EXISTING IMPROVEMENT ITEMS

	EX	PR
Noise Attn./Levee		
Fence		
Base of Levee		
Mailbox		
Pay Telephone		
Advertising Sign		

LANDSCAPING ITEMS

	EX	PR
Contour Mounding Line		
Shrubs		
Mowline		
Perennial Plants		
Seeding Class 2		
Seeding Class 2A		
Seeding Class 3		
Seeding Class 4		
Seeding Class 4 & 5 Combined		
Seeding Class 5		
Seeding Class 7		

EXISTING LANDSCAPING ITEMS (cont.)

	EX	PR
Seedlings Type 1		
Seedlings Type 2		
Sodding		
Mowstake w/Sign		
Tree Trunk Protection		
Evergreen Tree	E	
Shade Tree	E	+

LIGHTING

	EX	PR
Cable In Duct w/o Ground		
Conduit w/Ground		
Electrical Aerial Cable	A	A
Electrical Buried Cable	L	L
Controller		
Underpass Luminaire		
Power Pole		
Pull Point	P	P

Illinois Department of Transportation

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Engineer of Bridges and Structures

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Engineer of Design and Environment

ISSUED 1-1-97

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

(Sheet 3 of 8)

STANDARD 000001-04

LIGHTING (cont.)

	EX	PR
Handhole		
Heavy Duty Handhole		
Junction Box		
Light Unit Comb.		
Electrical Ground		
Traffic Flow Arrow		
High Mast Pole		
Light Unit-1		

PAVEMENT (MISC.)

	EX	PR
Keyed Long. Joint		
Keyed Long. Joint w/Tie Bars		
Sawed Long. Joint w/Tie Bars		
Bituminous Shoulder		
Bituminous Taper		
Stabilized Driveway		
Widening		

PAVEMENT MARKINGS

	EX	PR
RR Crossing		
Raised Marker Amber 1 Way		
Raised Marker Amber 2 Way		
Raised Marker Crystal 1 Way		
Two Way Turn Left		
Shoulder Diag. Patern		
Skip-Dash White		
Skip-Dash Yellow		
Stop Line		
Solid Line		
Double Centerline		
Dotted Lines		
CL 2Ln 2Way RRPM 12.2 m (40') o.c.		
CL 2Ln 2Way RRPM 24.4 m (80') o.c.		
CL Multilane Div. RRPM 12.2 m (40') o.c.		
CL Multilane Div. RRPM 24.4 m (80') o.c.		
CL Multilane Div. Dbl. RRPM 24.4 m (80') o.c.		
CL Multilane Undiv.		
Two Way Turn Left Line		

Illinois Department of Transportation

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ENGINEER OF DESIGN AND ENVIRONMENT

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STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

(Sheet 4 of 8)

STANDARD 000001-04

PAVEMENT MARKINGS (cont.)

	EX	PR
Urban Combination Left Only		
Urban Combination Right Only		
Urban Left Turn Arrow		
Urban Right Turn Arrow		
Urban Left Turn Only		
Urban Right Turn Only		
Urban Thru Only		
Rural Combination Left Only		
Rural Combination Right Only		
Rural Left Turn Arrow		
Rural Right Turn Arrow		
Rural Left Turn Only		
Rural Right Turn Only		
Rural Thru Only		

RAILROAD ITEMS

	EX	PR
Abandoned Railroad		
Railroad		
Railroad Point		
Control Box		
Crossing Gate		
Flashing Signal		
Railroad Cant. Mast Arm		
Crossbuck		

REMOVAL ITEMS

	EX	PR
Removal Tic		
Bituminous Removal		
Hatch Pattern		

RIGHT OF WAY ITEMS

	EX	PR
Future ROW Corner Monument		
ROW Marker		
ROW Line		
Easement		
Temporary Easement		

Illinois Department of Transportation

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ENGINEER OF POLICY AND PROCEDURES

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ENGINEER OF HIGHWAY AND ENVIRONMENT

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STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

(Sheet 5 of 8)

STANDARD 000001-04

ROADWAY PLAN ITEMS

	EX	PR
Edge of Pavement		
Bit Shoulders, Medians and C&G Line		
Aggregate Shoulder		
Sidewalks, Driveways		
Guardrail		
Guardrail Post		
Traffic Sign		
Corrugated Median		

ROADWAY PROFILES

	EX	PR
Profile Line		
P.I. Indicator		
Point Indicator		
Earthworks Balance Point		
Begin Point		
Vert. Curve Data	VPI = ELEV = L = E =	VPI = ELEV = L = E =

SIGNING ITEMS

	EX	PR
Barricade Type 1 or 2		
Barricade Type 11		

SIGNING ITEMS (cont.)

	EX	PR
Barricade Type 111		
Barricade With Edge Line		
Flashing Light Sign		
Panels I		
Panels II		
Sign Flag		
Direction of Traffic		
Detour M4-10L-(0)		
Detour M4-10R-(0)		
One Way Left R6-1L		
One Way Right R6-1R		
One Way Arrow Lrg. W1-6-(0)		
Two Way Arrow Large W1-7-(0)		
Reverse Left W1-4L		
Reverse Right W1-4R		
Two Way Traffic Sign W6-3		

SIGNING ITEMS (cont.)

	EX	PR
Detour Ahead W20-2		DETOUR AHEAD
Left Lane Closed Ahead		LEFT LANE CLOSED AHEAD
Road Closed Ahead W20-R-(0)		RIGHT LANE CLOSED AHEAD
Road Closed Ahead W20-3-(0)		ROAD CLOSED AHEAD
Road Construction Ahead W20-1-(0)		ROAD CONSTRUCTION AHEAD
Single Lane Ahead		SINGLE LANE AHEAD
Transition Left W4-2L		
Transition Right W4-2R		

Illinois Department of Transportation

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ENGINEER OF BUREAU OF TRAFFIC

APPROVED January 1, 2002

ENGINEER OF BUREAU OF ENVIRONMENT

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS (Sheet 6 of 8)

STANDARD 000001-04

SIGNING ITEMS (cont.)

	EX	PR
Left Turn Lane R3-1100L		LEFT TURN LANE
Keep Left R4-7AL		KEEP LEFT
Keep Left R4-7BL		KEEP LEFT
Keep Right R4-7AR		KEEP RIGHT
Keep Right R4-7BR		KEEP RIGHT
Stop Here On Red R10-6-AL		STOP HERE ON RED
Stop Here On Red R10-6-AR		STOP HERE ON RED
No Left Turn R3-2		
No Right Turn R3-1		
Road Closed R11-2		ROAD CLOSED
Road Closed Thru Traffic R11-2		ROAD CLOSED TO THRU TRAFFIC

TRAFFIC SHEET ITEMS

	EX	PR
Cable Number		
Left Turn Green		
Left Turn Yellow		
Signal Backplate		
Signal Section 200 mm (8")		
Signal Section 300 mm (12")		
Walk/Don't Walk Letters		
Walk/Don't Walk Symbols		

TRAFFIC SIGNAL ITEMS

	EX	PR
Galv. Steel Conduit		
Underground Cable		
Detector Loop Line		
Detector Loop Large		
Detector Loop Small		
Detector Loop Quadrapole		
Detector Raceway		
Aluminum Mast Arm		
Steel Mast Arm		
Veh. Detector Magnetic		

TRAFFIC SIGNAL ITEMS (cont.)

	EX	PR
Conduit Splice		
Controller		
Cutbox Junction		
Wood Pole		
Temp. Signal Head		
Handhole		
Heavy Duty Handhole		
Junction Box		
Ped. Pushbutton Detector		
Ped. Signal Head		
Power Pole Service		
Priority Veh. Detector		
Signal Head		
Signal Head w/Backplate		
Signal Post		

UNDERGROUND UTILITY ITEMS

	EX	PR
Cable TV	CTV CTV	CTV CTV
Electric Cable	E E	E E
Fiber Optic	FO FO	FO FO
Gas Pipe	G	G
Oil Pipe	O	O
Pipe Underdrain		

Illinois Department of Transportation

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ENGINEER OF POLICY AND PROCEDURES

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ENGINEER OF POLICY AND PROCEDURES

ISSUED 1-1-97

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

(Sheet 7 of

STANDARD 000001-04

UNDERGROUND UTILITY ITEMS (cont.)

	EX	PR
Sanitary Sewer		
Storm Sewer		
Telephone Cable		
Water Pipe		

UTILITIES ITEMS

	EX	PR
Controller		
Double Handhole		
Fire Hydrant		
Handhole		
Heavy Duty Handhole		
Junction Box		
Light Pole		
Manhole		
Power Pole		
Splice Box Above Ground		
Telephone Splice Box Above Ground		
Telephone Pole		
Traffic Signal		
Water Meter Valve Box		

VEGETATION ITEMS

	EX	PR
Deciduous Tree		
Bush		
Evergreen Tree		
Stump		
Vegetation Line		
Woods & Bush Line		

WATER FEATURE ITEMS

	EX	PR
Stream or Drainage Ditch		
Waters Edge		
Water Surface Indicator		
Water Point		
Disappearing Ditch		
Marsh		

Illinois Department of Transportation

ISSUED January 1, 2002

BUREAU OF TRAFFIC AND HIGHWAYS

APPROVED January 1, 2002

BUREAU OF BRIDGE AND TRANSIT

STANDARD 1-1-01

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

(Sheet 8 of 8)

STANDARD 000001-04

Project 171st Street Improvements
Ashland Avenue to Wood Street
Section No 02-B8431-08-PV

SCHEDULE OF PRICES

ITEM NO	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
1	110	UNIT	TREE REMOVAL (6 TO 15 UNITS DIAMETER)		
2	100	UNIT	TREE REMOVAL (OVER 15 UNITS DIAMETER)		
3	10	EACH	TREE ROOT PRUNING		
4	110	UNIT	SUPPLEMENTAL WATERING		
5	15184	SQ YD	TOPSOIL FURNISH AND PLACE, 4"		
6	0.936	ACRE	SEEDING, CLASS 2A		
7	0.67	ACRE	SEEDING, CLASS 4		
8	1	ACRE	SEEDING, CLASS 4B		
9	265	POUND	NITROGEN FERTILIZER NUTRIENT		
10	265	POUND	PHOSPHORUS FERTILIZER NUTRIENT		
11	265	POUND	POTASSIUM FERTILIZER NUTRIENT		
12	2423	SQ YD	SODDING, SALT TOLERAN		
13	8	EACH	TREE, ACER X FREEMANII MARMO (MARMO FREEMAN MAPLE), 8' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED		
14	2	EACH	TREE, CRATAEGUS CRUSGALLI INERMIS (THORN LESS COCKSPUR HAWTHORN), 7' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED		
15	8	EACH	SHRUB, VIBURNUM CARLESI (KOREANSPICE VIBURNUM), 2' HEIGHT, BALLED AND BURLAPPED		
16	4	EACH	EVERGREEN, PICEA ABIES (NORWAY SPRUCE), 3' HEIGHT, CONTAINER		
17	10	POUND	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE		
18	102	POUND	TEMPORARY SEEDING		
19	45955	CU YD	EARTH EXCAVATION		
20	5900	CU YD	POROUS GRANULAR EMBANKMENT, SPECIAL		
21	2735	SQ YD	AGGREGATE BASE COURSE, TYPE B 8"		
22	1105	SQ YD	AGGREGATE BASE COURSE, TYPE B 10"		
23	6000	L SUM	CRUSHED STONE (TEMPORARY USE)		
24	384	GALLON	BITUMINOUS MATERIALS (PRIME COAT)		
25	882	SQ YD	BITUMINOUS SURFACE REMOVAL 1 1/2"		
26	426	SQ YD	BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)		
27	7761	SQ YD	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)		
28	348	SQ YD	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH		
29	36895	SQ FT	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH		
30	11119	SQ YD	PAVEMENT REMOVAL		
31	2563	SQ YD	DRIVEWAY PAVEMENT REMOVAL		
32	1170	FOOT	CURB REMOVAL		
33	2269	FOOT	COMBINATION CURB AND GUTTER REMOVAL		
34	26089	SQ FT	SIDEWALK REMOVAL		

CONTINUED ON NEXT PAGE

SCHEDULE OF PRICES

ITEM NO	QUAN-TITIES			UNIT COST	TOTAL COST
35	430	SQ FT	MEDIAN REMOVAL		
36	8239	SQ YD	PAVED SHOULDER REMOVAL		
37	140	SQ YD	CLASS D PATCHES, TYPE IV, 10 INCH		
38	5	SQ YD	BITUMINOUS SHOULDERS SUPERPAVE 6"		
39	1949	FOOT	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12		
40	177	FOOT	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)		
41	777	FOOT	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24		
42	2723	FOOT	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (SPECIAL)		
43	950	SQ FT	CONCRETE MEDIAN, TYPE SB-6.06		
44	1	EACH	TRAFFIC BARRIER TERMINAL, TYPE 2		
45	1175	FOOT	GUARDRAIL REMOVAL		
46	733	FOOT	CHAIN LINK FENCE, 6'		
47	384	FOOT	CHAIN LINK FENCE, 6' (SPECIAL)		
48	12	CAL MO	ENGINEER'S FIELD OFFICE, TYPE A		
49	9355	SQ YD	AGGREGATE SUBGRADE 12"		
50	139	FOOT	FENCE REMOVAL		
51	8	EACH	IMPACT ATTENUATORS		
52	4	EACH	BOLLARDS		
53	331	TON	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50		
54	36	TON	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70		
55	615	TON	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50		
56	1	L SUM	CONSTRUCTION LAYOUT STAKES AND SURVEY CONTROL POINTS		
57	3811	CU YD	TRENCH BACKFILL		
58	100	FOOT	EXPLORATION TRENCH 52" DEPTH		
59	12238	SQ YD	EROSION CONTROL BLANKET		
60	1	EACH	TEMPORARY DITCH CHECKS		
61	859	FOOT	PERIMETER EROSION BARRIER		
62	2	EACH	INLET AND PIPE PROTECTION		
63	61	EACH	INLET FILTERS		
64	17	SQ YD	STONE RIPRAP, CLASS A4		
65	17	SQ YD	FILTER FABRIC FOR USE WITH RIPRAP		
66	1	EACH	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"		
67	1	EACH	GRATING FOR CONCRETE FLARED END SECTION 42"		
68	165	FOOT	STORM SEWERS, CLASS A, TYPE 1, 12"		

CONTINUED ON NEXT PAGE

SCHEDULE OF PRICES

ITEM NO	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
69	275	FOOT	STORM SEWERS, CLASS A, TYPE 1, 24"		
70	185	FOOT	STORM SEWERS, CLASS A, TYPE 1, 30"		
71	418	FOOT	STORM SEWERS, CLASS A, TYPE 2, 12"		
72	261	FOOT	STORM SEWERS, CLASS A, TYPE 2, 15"		
73	339	FOOT	STORM SEWERS, CLASS A, TYPE 2, 24"		
74	255	FOOT	STORM SEWERS, CLASS A, TYPE 2, 30"		
75	698	FOOT	STORM SEWERS, CLASS A, TYPE 2, 42"		
76	226	FOOT	STORM SEWER REMOVAL 10"		
77	163	FOOT	STORM SEWER REMOVAL 12"		
78	130	FOOT	STORM SEWER REMOVAL 15"		
79	18	FOOT	STORM SEWER REMOVAL 24"		
80	58	FOOT	STORM SEWER REMOVAL 42"		
81	320	FOOT	STORM SEWER REMOVAL 54"		
82	1	EACH	TAPPING VALVES AND SLEEVES 6"		
83	3	EACH	TAPPING VALVES AND SLEEVES 12"		
84	2	EACH	TAPPING VALVES AND SLEEVES 14"		
85	1	EACH	FIRE HYDRANTS TO BE REMOVED		
86	6	EACH	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX		
87	2200	FOOT	PIPE UNDERDRAINS 4"		
88	290	FOOT	PIPE UNDERDRAINS 10"		
89	216	FOOT	PIPE UNDERDRAINS 12"		
90	111	FOOT	PIPE UNDERDRAINS 18"		
91	2	EACH	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE		
92	9	EACH	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE		
93	2	EACH	CATCH BASINS, TYPE C, TYPE 23 FRAME AND GRATE		
94	45	EACH	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE		
95	5	EACH	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID		
96	3	EACH	RESTRICTED DEPTH MANHOLES, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID		
97	7	EACH	RESTRICTED DEPTH MANHOLES, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID		
98	2	EACH	RESTRICTED DEPTH MANHOLES, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID		
99	3	EACH	MANHOLES, SPECIAL		
100	1	EACH	GRATED INLET, SPECIAL		
101	1	EACH	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID		
102	5	EACH	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID		

CONTINUED ON NEXT PAGE

SCHEDULE OF PRICES

ITEM NO	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
103	1	EACH	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 8 GRATE		
104	1	EACH	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 24 FRAME AND GRATE		
105	1	EACH	MANHOLES TO BE ADJUSTED		
106	1	EACH	VALVE VAULTS TO BE REMOVED		
107	1	EACH	VALVE BOXES TO BE REMOVED		
108	4	EACH	FRAMES AND LIDS TO BE ADJUSTED		
109	4	EACH	REMOVING MANHOLES		
110	19	EACH	REMOVING CATCH BASINS		
111	2	EACH	REMOVING INLETS		
112	7	EACH	FILLING MANHOLES		
113	3	EACH	FILLING CATCH BASINS		
114	2	EACH	FLARED END SECTIONS TO BE REMOVED		
115	343	FOOT	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH		
116	273	FOOT	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH		
117	300	FOOT	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH		
118	35	FOOT	STORM SEWER (WATER MAIN REQUIREMENTS) 42 INCH		
119	424	FOOT	DUCTILE IRON FORCE MAIN, 24"		
120	1	EACH	SERIES TF-2 ELASTOMERIC CHECK VALVE 26" DIAMETER (SPECIAL)		
121	1	EACH	SERIES TF-2 ELASTOMERIC CHECK VALVE 16" DIAMETER (SPECIAL)		
122	1	EACH	SERIES TF-1 ELASTOMERIC CHECK VALVE 16" DIAMETER (SPECIAL)		
123	1	L SUM	PUMP STATION		
124	315	FOOT	WATER MAIN REMOVAL 6"		
125	510	FOOT	WATER MAIN REMOVAL 12"		
126	85	FOOT	WATER MAIN REMOVAL 14"		
127	105	FOOT	WATER MAIN REMOVAL 24"		
128	6	EACH	CUT AND CAP EXISTING WATER MAIN		
129	2	EACH	WATER SERVICE CONNECTION (SHORT)		
130	105	FOOT	DUCTILE IRON WATER MAIN, 24" CLASS 52, WITH POLYETHYLENE ENCASEMENT		
131	85	FOOT	DUCTILE IRON WATER MAIN, 14" CLASS 52, WITH POLYETHYLENE ENCASEMENT		
132	2628	FOOT	DUCTILE IRON WATER MAIN, 12" CLASS 52, WITH POLYETHYLENE ENCASEMENT		
133	130	FOOT	DUCTILE IRON WATER MAIN, 6" CLASS 52, WITH POLYETHYLENE ENCASEMENT		
134	84	FOOT	20" STEEL SLEEVE (0.344" THICKNESS) AUGURED		
135	21	FOOT	16" STEEL SLEEVE (0.344" THICKNESS) OPEN CUT		
136	550	FOOT	20" STEEL SLEEVE (0.344" THICKNESS) OPEN CUT		

CONTINUED ON NEXT PAGE

SCHEDULE OF PRICES

ITEM NO	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
137	70	FOOT	30" STEEL SLEEVE (0 563" THICKNESS) OPEN CUT		
138	71	FOOT	42" STEEL SLEEVE (0 625" THICKNESS) OPEN CUT		
139	34	FOOT	SANITARY SEWER, PVC, 12"		
140	360	FOOT	SANITARY SEWER FORCE MAIN, 6"		
141	185	FOOT	SANITARY SEWER REMOVAL 10"		
142	145	FOOT	SANITARY SEWER REMOVAL 8"		
143	1	L SUM	LIFT STATION		
144	36295	SQ FT	SOIL BENTONITE SLURRY CUT OFF WALL (35' DEEP)		
145	544	SQ YD	FILTER FABRIC		
146	1	L SUM	DEWATERING		
147	984	CU YD	CONCRETE STRUCTURES		
148	31197	SQ YD	PROTECTIVE COAT		
149	7864	SQ FT	RUSTICATION FINISH		
150	514	EACH	STUD SHEAR CONNECTORS		
151	3814	SQ FT	UNTREATED TIMBER LAGGING		
152	3974	FOOT	FURNISHING SOLDIER PILES (W SECTION)		
153	64345	POUND	REINFORCEMENT BARS, EPOXY COATED		
154	450	SQ YD	GEOCOMPOSITE WALL DRAIN		
155	28	CU YD	FRENCH DRAINS		
156	1	EACH	JUNCTION CHAMBER, NO. 1		
157	1	EACH	JUNCTION CHAMBER, NO. 2		
158	408	CU YD	CONTROLLED LOW-STRENGTH MATERIAL		
159	7550	SQ YD	SANDBLASTING CONCRETE		
160	1	L SUM	CONCRETE STAIRS		
161	109	SQ FT	BLOCK RETAINING WALL		
162	2221	FOOT	HANDRAIL		
163	12297	CU FT	DRILLING AND SETTING SOLDIER PILES		
164	50	FOOT	LEVELING PAD FOR BLOCK RETAINING WALL		
165	8	TON	DRAINAGE FILL		
166	3848	SQ FT	CONCRETE RE-FACING		
167	1	L SUM	TRAFFIC CONTROL DEVICES - DETOUR ROUTING		
168	1	L SUM	TRAFFIC PROTECTION		
169	300	FOOT	PAVEMENT MARKING TAPE, TYPE III		
170	134 5	SQ FT	SIGN PANEL - TYPE 1		

CONTINUED ON NEXT PAGE

SCHEDULE OF PRICES

ITEM NO	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
171	8	EACH	REMOVE SIGN PANEL ASSEMBLY - TYPE A		
172	2	EACH	REMOVE SIGN PANEL ASSEMBLY - TYPE B		
173	36	SQ FT	REMOVE SIGN PANEL - TYPE 1		
174	2	EACH	RELOCATE SIGN PANEL ASSEMBLY - TYPE A		
175	2	EACH	RELOCATE SIGN PANEL ASSEMBLY - TYPE B		
176	35	SQ FT	RELOCATE SIGN PANEL - TYPE 1		
177	195.5	FOOT	METAL POST - TYPE B		
178	40	SQ FT	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS		
179	1522	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 4"		
180	69	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 6"		
181	40	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 24"		
182	224	SQ FT	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS		
183	6152	FOOT	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 4"		
184	386	FOOT	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6"		
185	751	FOOT	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 12"		
186	91	FOOT	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24"		
187	19	EACH	RAISED REFLECTIVE PAVEMENT MARKER		
188	4	EACH	ELECTRIC SERVICE INSTALLATION		
189	1	L SUM	ELECTRIC UTILITY SERVICE CONNECTION		
190	19	EACH	GROUND ROD, 5/8" DIA X 10 FT.		
191	13	FOOT	CONDUIT IN TRENCH, 1 1/4" DIA, GALVANIZED STEEL		
192	713	FOOT	CONDUIT IN TRENCH, 2" DIA, GALVANIZED STEEL		
193	35	FOOT	CONDUIT IN TRENCH, 2 1/2" DIA, GALVANIZED STEEL		
194	96	FOOT	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL		
195	79	FOOT	CONDUIT IN TRENCH, 4" DIA, GALVANIZED STEEL		
196	260	FOOT	CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL		
197	134	FOOT	CONDUIT PUSHED, 4" DIA, GALVANIZED STEEL		
198	1650	FOOT	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., GALVANIZED STEEL		
199	1010	FOOT	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL		
200	810	FOOT	CONDUIT ATTACHED TO STRUCTURE, 3" DIA., GALVANIZED STEEL		
201	58	EACH	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 4" X 4"		
202	12	EACH	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 10" X 8" X 6"		
203	14	EACH	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"		
204	3	EACH	HANDHOLE		

CONTINUED ON NEXT PAGE

SCHEDULE OF PRICES

ITEM NO	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
205	1	EACH	HANDHOLE TO BE ADJUSTED		
206	1	EACH	DOUBLE HANDHOLE		
207	2654	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK		
208	2424	FOOT	UNIT DUCT, WITH 3-1/C NO 4 AND 1/C NO 6 GROUND, 600V (XLP-TYPE USE), 1 1/4" DIA., POLYETHYLENE		
209	1800	FOOT	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 3-1/C NO. 10		
210	1993	FOOT	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 3-1/C NO. 4		
211	126	FOOT	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE USE) 3-1/C NO. 2		
212	7	EACH	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 150 WATT		
213	9	EACH	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT		
214	90	EACH	UNDERPASS LUMINAIRE, 55 WATT, LOW PRESSURE SODIUM VAPOR		
215	2	EACH	LIGHTING CONTROLLER TYPE CB-RCS 60AMP - 480VOLT		
216	12	EACH	LIGHT POLE, ALUMINUM, 35 FT M.H., 15 FT MAST ARM		
217	127.5	FOOT	LIGHT POLE FOUNDATION, 24" DIAMETER		
218	28	FOOT	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET		
219	14	EACH	BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE		
220	1	EACH	REMOVAL OF EXISTING LIGHTING UNIT, NO SALVAGE		
221	5	EACH	LIGHTING FOUNDATION REMOVAL		
222	4	EACH	RELOCATE EXISTING LIGHTING UNIT		
223	3	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION		
224	1	EACH	FULL-ACTUATED CONTROLLER AND TYPE V CABINET		
225	1	EACH	MASTER CONTROLLER		
226	2	EACH	TRANSCEIVER - FIBER OPTIC		
227	148	FOOT	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, 24F		
228	289	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO 14 2/C		
229	849	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3/C		
230	1342	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5/C		
231	362	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD IN, NO 14, 1 PAIR		
232	162	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO 6 2/C		
233	2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.		
234	1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 16 FT.		
235	8	FOOT	CONCRETE FOUNDATION, TYPE A		
236	4	FOOT	CONCRETE FOUNDATION, TYPE D		
237	45	FOOT	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER		
238	7	EACH	DRILL EXISTING HANDHOLE		

CONTINUED ON NEXT PAGE

Project 171st Street Improvements
Ashland Avenue to Wood Street
Section 02-B8431-08-PV

SCHEDULE OF PRICES

ITEM NO	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
239	6	EACH	TRAFFIC SIGNAL BACKPLATE		
240	331	FOOT	DETECTOR LOOP, TYPE I		
241	2	EACH	PEDESTRIAN PUSH-BUTTON		
242	1	EACH	RELOCATE EXISTING TRAFFIC SIGNAL CONTROLLER		
243	2	EACH	RELOCATE EXISTING MAST ARM ASSEMBLY AND POLE		
244	2	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT		
245	1	EACH	MODIFY EXISTING CONTROLLER		
246	697	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT		
247	1019	FOOT	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT		
248	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT		
249	2	EACH	LIGHT POLE, ALUMINUM, 30 FT M.H., TWIN 8 FT MAST ARMS		
250	1	EACH	REOPTIMIZE EXISTING SIGNAL SYSTEM		
251	4	EACH	UNIT DUCT SPLICE		
252	1	EACH	CONFIRMATION BEACON		
253	1	L SUM	REMOVE EXISTING LIGHTING SYSTEM NO SALVAGE		
254	148	FOOT	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C		
255	108	FOOT	PREFORMED DETECTOR LOOP		
256	6	EACH	SIGNAL HEAD ,LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED		
257	5	EACH	SIGNAL HEAD ,LED, 1-FACE, 3-SECTION, BRACKET MOUNTED		
258	2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED		
259	468	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO 6 1C (GREEN)		
260	367	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO 20 3/C		
261	2	EACH	SERVICE INSTALLATION, POLE MOUNT		
			DETENTION POND - OPTION #1		
262	952	CU YD	TOPSOIL FURNISH AND PLACE, SPECIAL		
263	5027	SQ YD	COMPACTED CLAY LINER		
			DETENTION POND - OPTION #2		
262	2741	CU YD	TOPSOIL FURNISH AND PLACE, SPECIAL		
263	3153	SQ YD	COMPACTED CLAY LINER		
264	66000	SQ FT	GEOSYNTHETIC CLAY LINER		
				TOTAL	