

Revised 12/30/2009

### WATER METER BOX ADJUSTMENT

STATION	ROADWAY	SIDE	OFFSET (FT.)	EXIST. ELEV.	PROP. ELEV.
104+11.01	Greenwich	Rt.	43.28	1342.93	1342.69
104+90.57	Greenwich	Rt.	43.58	1342.15	1341.81
112+32.37	Greenwich	Lt.	39.56	1330.61	1333.25
113+57.62	Greenwich	Rt.	39.00	1332.98	1332.80
116+07.02	Greenwich	Rt.	38.84	1331.98	1331.33
116+85.42	Greenwich	Rt.	38.80	1331.63	1331.54
118+22.83	Greenwich	Rt.	38.80	1331.68	1332.10
120+14.83	Greenwich	Rt.	38.76	1331.47	1332.86
126+25.52	Greenwich	Lt.	38.09	1333.52	1333.85
140+12.04	Greenwich	Lt.	34.23	1343.56	1343.24
141+02.92	Greenwich	Lt.	36.72	1344.43	1343.78
141+52.28	Greenwich	Lt.	36.69	1344.98	1344.13
142+43.33	Greenwich	Lt.	37.48	1345.51	1344.62
55+62.50	Harry	Rt.	42.10	1340.05	1338.95
58+39.40	Harry	Rt.	35.92	1335.09	1334.34
59+10.82	Harry	Rt.	36.15	1334.03	1333.44
60+37.20	Harry	Rt.	40.61	1333.44	1331.23
61+30.36	Harry	Rt.	38.32	1332.28	1330.67
62+61.36	Harry	Rt.	27.30	1329.09	1331.24

\* For Information Only

### WATER VALVE ADJUSTMENT

WV Number	STATION	ROADWAY	OFFSET (FT.)	SIDE	EXIST. ELEV.	PROP. ELEV.
12174	87+03.00	Greenwich	22.79	Lt.	1342.04	1344.03
22483	88+50.10	Greenwich	24.29	Lt.	1342.93	1345.64
22289	89+53.20	Greenwich	21.62	Lt.	1344.68	1346.10
12553	94+96.00	Greenwich	21.03	Lt.	1344.27	1341.68
9256	99+69.74	Greenwich	21.38	Lt.	1344.62	1343.95
26630	99+74.76	Greenwich	21.67	Lt.	1344.60	1344.00
	100+53.00	Greenwich	23.01	Lt.	1344.07	1344.23
	113+63.10	Greenwich	27.00	Lt.	1329.27	1332.37
11746	126+14.22	Greenwich	27.00	Lt.	1333.43	1333.36
112688	126+28.09	Greenwich	25.13	Lt.	1331.92	1333.55
36395	135+14.49	Greenwich	25.57	Lt.	1342.62	1341.68
38843	135+53.07	Greenwich	27.92	Lt.	1344.44	1341.97
39282	135+51.84	Greenwich	58.80	Lt.	1343.79	1342.07
	140+14.78	Greenwich	30.65	Lt.	1343.87	1343.27
243	41+87.00	Harry	33.75	Rt.	1342.73	1341.03
	46+05.07	Harry	31.78	Rt.	1343.70	1342.47
26648	49+15.15	Harry	28.35	Rt.	1344.06	1343.44
9257	56+34.35	Harry	29.30	Rt.	1336.74	1337.70
30235	63+30.15	Harry	30.00	Rt.	1328.99	1329.37
30236	63+33.88	Harry	28.07	Rt.	1329.02	1329.40

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### RECAPITULATION OF ROAD QUANTITIES

Non-Participate	ITEM DESCRIPTION	QUANTITY	UNIT
	Lump Sum Bid Items - Paving		
	Site Cleaning & Restoration	1	ls
	Mobilization	1	ls
	Mobilization DBE	1	ls
	Field Office & Laboratory (Type A)	1	ea
	Excavation	43,599	cy
	Mucking (Pond)	8,344	cy
	Pavement Removal	26,628	sy
	Removal of Existing Structures	1	ls
	Compacted Fill (95% Density)	12,039	cy
	Select Fill Topsoil	136	cy
	AC Pavement 7" (5" Bit, Base) (BM-2)	46,107	sy
	Milling, 2"	2,938	sy
	AC Surface Course 2" (BM-2)	2,938	sy
	Reinforced Crushed Rock Base (8')	53,453	sy
	Reinforced Crushed Rock Base (7')	1,765	sy
	Reinforced Crushed Rock Base (6')	4,499	sy
	Concrete Pavement (8') (AE) (Reinforced)	1,590	sy
	Concrete Pavement (9') (AE) (Reinforced)	3,926	sy
	Paving Brick (2 5/8" Holland Pavers) (Charcoal Red)	445	sy
	Paving Brick (3 1/8" Holland Pavers) (Charcoal Red)	559	sy
	Wheelchair Ramp Construction (30 sf)	25	ea
	Handrail (Metal) (3'-6")	316	lf
	Concrete Safety Barrier (Type II)	320	lf
	Curb & Gutter, Combined (AE) (Type I)	12,076	lf
	Curb & Gutter, Combined (AE) (Type II)	1,382	lf
	Curb & Gutter, Combined (AE) (Type III)	3,402	lf
	Concrete Median Nose	15	ea

Non-Participate	ITEM DESCRIPTION	QUANTITY	UNIT
	Lump Sum Bid Items - Drainage		
	Inlet (Type I) (Single)	36	ea
	Inlet (Type I) (Double)	3	ea
	Grate Inlet (Single)	1	ea
	MH (Reinforced Concrete)	6	ea
	MH Retrofit	3	ea
	Inlet Hookup	40	ea
	15" Storm Sewer (RCP) (Includes End Sections)	1,145	lf
	18" Storm Sewer (RCP) (Includes End Sections)	1,200	lf
	24" Storm Sewer (RCP) (Includes End Sections)	531	lf
	30" Storm Sewer (RCP)	1,065	lf
	36" Storm Sewer (RCP) (Includes End Sections)	172	lf
	42" Storm Sewer (RCP)	810	lf
	48" Storm Sewer (RCP)	134	lf
	54" Storm Sewer (RCP)	242	lf
	30"x19" Storm Sewer (RCPHE)	89	lf
	45"x29" Storm Sewer (RCPHE)	71	lf
	68"x43" Storm Sewer (RCPHE)	195	lf
	Sand Fill, Flush & Vibrate	5,049	lf
	Light Stone Riprap	1,249	sy
	Weir Construction	1	ls

Non-Participate	ITEM DESCRIPTION	QUANTITY	UNIT
	Lump Sum Bid Items - KTA		
	KTA Pavement (2") (BM-IKTA)	1,274	sy
	KTA Pavement (10") (BM-2C)	1,274	sy
	6" Combined Material (AB-3)	1,332	sy
	KTA Granular Subbase (10")	1,332	sy
	KTA Excavation	11,098	cy
	KTA Pavement Removal	1,274	cy
	Compaction (Type A)(MR-0-5)	696	cy
	Compaction (Type A)(MR-5-5)	10,500	cy
	Traffic Control - KTA	1	ls
	2 7/8" Milling	3,244	sy
	1" Milling	487	sy
	2 7/8" Bituminous Surface Course (BM-IKTA)	3,731	sy
	Rumble Strip Grinding	2,428	lf
	Guardrail, Steel Plate	256	lf
	Guardrail End Terminal (SRT)	1	ea
	KTA Project Seeding	1	ls

Non-Participate	ITEM DESCRIPTION	QUANTITY	UNIT
	Measured Quantity Bid Items - KTA		
	8" Temporary Bituminous Pavement (KTA)	203	sy
	KTA Silt Fence	400	lf
	KTA Erosion Control Blanket	2,700	sy

Non-Participate	ITEM DESCRIPTION	QUANTITY	UNIT
	Lump Sum Bid Items - General		
	Sanitary Sewer Manhole Adjustment (In Pavement)	11	ea
x	Sanitary Sewer Manhole Adjustment (Non Participating)	1	ea
x	Transportation of Salvaged Materials (Non Participating)	1	ls
	Water Valve Adjustment	15	ea
x	Sanitary Sewer Encasement	114	lf

Non-Participate	ITEM DESCRIPTION	QUANTITY	UNIT
	Lump Sum Bid Items -Traffic		
	Pavement Marking	1	ls
	Street Signage	1	ls
x	D-3 Metro Street Name Signage	1	ls
	Traffic Control - Greenwich & Harry	1	ls
	Temporary Traffic Signal - Greenwich & Harry	1	ls
	Traffic Signalization (Greenwich & Harry)	1	ls
	Traffic Signalization (Greenwich & Lincoln)	1	ls

### RECAPITULATION OF ROAD QUANTITIES (CON'T)

Non-Participate	ITEM DESCRIPTION	QUANTITY	UNIT
	Lump Sum Bid Items - Landscaping		
	6" PVC Irrigation Sleeve	191	lf
	Armur Maple Tree	12	ea
	Chinese Elm Tree	9	ea
	Chinese Pistache Tree	33	ea
	Legacy Sugar Maple Tree	14	ea
	October Glory Maple Tree	20	ea
	Oklahoma Red Bud Tree	18	ea
	Sawtooth Oak Tree	12	ea
	Shademaster Locust Tree	12	ea
	Spring Snow Crab Apple Tree	25	ea
	Pink Drift Rose Shrub	96	ea
	Sodding	1	ls
	Project Seeding	1	ls

Non-Participate	ITEM DESCRIPTION	QUANTITY	UNIT
	Measured Quantity Bid Items - Water (Non-Participating)		
x	Water Valve Adjustment	5	ea
x	Water Meter Box Adjustment	19	ea
x	Water Meter Relocation (3/4" or 1")	7	ea
x	Water Service Connection (1") (Long)	1	ea
x	Water Service Connection (1") (Short)	1	ea
x	Water Pipe 12" (DCL) (R.J.)	302	lf
x	Water Pipe 16" (DCL) (R.J.)	50	lf
x	Fire Hydrant Relocation	6	ea

Non-Participate	ITEM DESCRIPTION	QUANTITY	UNIT
	Measured Quantity Bid Items - Paving		
	A.C. Pavement (6") (Drive) (BM-2)	678	sy
	Protection Curb (8")	300	lf
	Segmental Block Retaining Wall	2,099	sff
	Concrete Driveway Pavement (6") (AE)	1,832	sy
	Driveway Concrete Pavement (8") (Reinforced) (AE)	320	sy
	Sidewalk Concrete (4")	72,151	sf
	Temporary Asphalt Pavement (6") (Incl. 5" RCRB) (For Widening)	264	sy
	Temporary Asphalt Pavement (6")	100	sy
	Trees, Large Removed	122	ea
	Trees, Small Removed	30	ea

Non-Participate	ITEM DESCRIPTION	QUANTITY	UNIT
	Measured Quantity Bid Items - Erosion Control BMP		
	Curb Inlet Protection	41	ea
	Ditch Check	12	ea
	Silt Fence	1,415	lf
	Erosion Control Blanket	36,192	sy
	Construction Entrance	1	ea

Non-Participate	ITEM DESCRIPTION	QUANTITY	UNIT
	Measured Quantity Bid Items - Traffic		
	Portable Changeable Electronic Message Sign	250	day

See Sheet No. 89 for Weir Quantities.

See Sheet No. 97 for Inlet & Manhole Schedule.

See Sheet No. 98 for Entrance Pipe Summary.

See Sheet No. 123 for Pond Quantities.

See Sheet No. 125 for Temporary Erosion Control Summary.

See Sheet No. 131 for Landscaping Bill of Materials.

See Sheet No.'s 148 & 150 for Traffic Signal Bill of Materials.

See Sheet No. 166 for Pavement Marking Summary.

See Sheet No. 167 for Signing Summary.

See Sheet No.'s 214 & 215 for Traffic Control Summaries.

X NO.	X DATE	X REVISIONS	X BY	X APP'D.
KANSAS DEPARTMENT OF TRANSPORTATION				
SUMMARY OF QUANTITIES				
<b>STD. NO. 50.2</b>				
DESIGNED ---	DETAILED ---	APP'D QUANTITIES JJR	CADD JR	
DESIGN CK. ---	DETAIL CK. ---	QUAN. CK. RAN	CADD CK. ---	

### WATER METER RELOCATION

STATION	ROADWAY	SIDE	EXIST. OFFSET	PROP. OFFSET	SIZE (IN.)	LENGTH (L.F.)	EXIST. ELEV.	PROP. ELEV.
97+98.38	Greenwich	Rt.	38.44	43.25	1"	4.8	1342.35	1342.49
134+14.70	Greenwich	Rt.	31.83	39.50	1"	7.7	1341.43	1341.14
						Total:	12.5	
52+84.06	Harry	Lt.	33.20	49.25	3/4"	16.1	1344.21	1342.00
53+92.48	Harry	Rt.	34.74	48.34	3/4"	13.6	1342.21	1341.00
54+48.42	Harry	Rt.	34.34	45.80	3/4"	11.5	1340.70	1340.34
55+62.50	Harry	Rt.	42.10	46.80	3/4"	4.7	1339.58	1339.14
57+39.84	Harry	Rt.	34.61	46.13	3/4"	11.5	1335.58	1336.84
						Total:	57.3	

\* For Information Only

### SIDEWALK CONCRETE (4") (AE)

STATION to STATION	ROADWAY	SIDE	WIDTH (FT.)	AREA (Sq. Ft.)	
92+72.77	94+92.33	Greenwich	Rt.	5	1097.80
95+33.54	96+93.54	Greenwich	Rt.	5	797.49
97+09.32	98+27.85	Greenwich	Rt.	5	602.71
98+57.90	99+08.07	Greenwich	Rt.	5	228.58
100+66.43	103+24.27	Greenwich	Rt.	5	1316.00
103+33.51	104+57.57	Greenwich	Rt.	5	615.22
104+75.15	114+13.28	Greenwich	Rt.	5	4697.25
114+38.06	115+22.58	Greenwich	Rt.	5	422.25
115+51.17	117+41.99	Greenwich	Rt.	5	953.75
117+63.19	119+12.55	Greenwich	Rt.	5	746.62
119+59.28	123+19.07	Greenwich	Rt.	5	1807.90
123+36.21	125+19.62	Greenwich	Rt.	5	914.69
125+37.99	126+20.79	Greenwich	Rt.	5	413.85
127+05.12	131+10.96	Greenwich	Rt.	5	2148.14
131+36.13	132+88.97	Greenwich	Rt.	5	763.83
133+09.28	134+81.64	Greenwich	Rt.	5	861.48
134+98.22	135+17.66	Greenwich	Rt.	5	97.18
135+42.78	143+77.73	Greenwich	Rt.	5	4886.80
92+72.77	93+55.50	Greenwich	Lt.	5	413.62
94+32.34	96+18.70	Greenwich	Lt.	5	1102.60
96+49.56	99+24.59	Greenwich	Lt.	5	1359.60
100+72.87	103+12.63	Greenwich	Lt.	5	1218.69
103+26.33	106+25.04	Greenwich	Lt.	5	1484.49
106+42.32	107+77.78	Greenwich	Lt.	5	6