

DRIVE ENTRANCES (MEASURED QUANTITY)					
LOCATION	STATION	SIDE	W (FT.)	CONC. PVMT. (8") (REINF.) (S.Y.)	REMARKS
Waterman	101+59.00	Lt.	15	19.44	Drive Entrance
Waterman	102+53.00	Rt.	33	33.44	Drive Entrance
Waterman	105+20.00	Rt.	19	32.22	Drive Entrance
Waterman	108+68.00	Rt.	17	30.00	Drive Entrance
Waterman	109+64.00	Rt.	43	53.33	Drive Entrance
Waterman	112+14.00	Rt.	20	33.33	Drive Entrance
Waterman	112+86.00	Rt.	16	28.89	Drive Entrance
Waterman	113+77.00	Lt.	35	50.00	Drive Entrance
Waterman	117+77.00	Rt.	30	44.44	Drive Entrance
Waterman	122+20.00	Rt.	20	34.44	Drive Entrance
Waterman	131+53.00	Rt.	24	26.44	Drive Entrance
Waterman	132+15.00	Rt.	24	26.44	Drive Entrance
Market	300+64.00	Rt.	18	21.78	Drive Entrance
Broadway	399+28.00	Lt.	16	18.67	Partial Entrance
Broadway	400+60.00	Lt.	14	21.33	Drive Entrance
Broadway	400+67.00	Rt.	26	27.56	Partial Entrance
Topeka	499+41.00	Lt.	22	53.33	Drive Entrance
Topeka	500+65.00	Rt.	29	41.56	Partial Entrance
Topeka	500+70.00	Lt.	24	35.44	Partial Entrance
<b>Total</b>				<b>632.08</b>	

CONCRETE ALLEY ENTRANCES AND PAVEMENT					
LOCATION	STATION	SIDE	W (FT.)	CONC. PVMT. (8") (REINF.) (S.Y.)	REMARKS
Waterman	101+92.66	Lt.	16	34.44	Alley Ent. & Pvmf.
Waterman	101+92.71	Rt.	16	29.11	Alley Ent. & Pvmf.
Waterman	105+60.06	Lt.	16	46.67	Alley Ent. & Pvmf.
Waterman	105+60.07	Rt.	16	28.89	Alley Entrance
Waterman	109+42.29	Rt.	20	38.88	Alley Ent. & Pvmf.
Waterman	109+42.38	Lt.	20	62.22	Alley Ent. & Pvmf.
Waterman	113+22.33	Rt.	20	33.33	Alley Entrance
Waterman	113+22.42	Lt.	20	51.11	Alley Ent. & Pvmf.
Waterman	117+02.53	Rt.	20	33.33	Alley Entrance
<b>Total</b>				<b>357.98</b>	

CURB AND GUTTER (AE)				
LOCATION	STATION TO STATION	COMB. C&G (6 5/8" & 1 1/2") (L.F.)	COMB. C&G MOD. (6 5/8" & 1 1/2") (L.F.)	QUANTITY (S.Y.)
Waterman	96+00	102+00		350.58
Waterman	102+00	108+00		1052.82
Waterman	108+00	114+00		1135.52
Waterman	114+00	120+00		1050.46
Waterman	120+00	126+00	207.78	589.17
Waterman	126+00	132+00	1056.97	
Waterman	132+00	138+00	96.00	
Broadway	299+18	300+82		158.40
Market	399+20	400+80		144.00
Topeka	499+18	500+82		152.00
Emporia	599+19	600+83		152.00
St. Francis	699+19	699+51.17		32.17
<b>Totals</b>			<b>1360.75</b>	<b>4817.12</b>

VALLEY GUTTER ENTRANCES					
LOCATION	STATION	SIDE	W (FT.)	CONC. PVMT. (8") (REINF.) (S.Y.)	EDGE CURB (L.F.)
St. Francis	118+96.65	Rt.	50	154.47	69.41
Commerce	120+82.39	Rt.	40	102.50	55.42
Waterman	126+81.00	Lt.	29	77.54	61.34
Waterman	126+82.00	Rt.	25	41.00	41.42
Waterman	128+55.53	Rt.	47	168.88	94.29
Rock Island	128+99.30	Lt.	41	108.10	55.87
<b>Totals</b>				<b>652.49</b>	<b>377.75</b>

SUMMARY OF EARTHWORK QUANTITIES							
LOCATION	STATION TO STATION	EXCAVATION	FILL	FILL (BEHIND CURBS) (C.Y.)	COMPACTION THRU CUTS (C.Y.)	WASTE (C.Y.)	
Waterman	99+57	103+41	580	0	17	408	559
Waterman	103+41	107+00	1071	4	19	459	1043
Waterman	107+00	110+50	932	3	18	437	905
Waterman	110+50	114+50	1083	11	19	541	1045
Waterman	114+50	118+50	1092	7	23	489	1054
Waterman	118+50	120+50	530	2	13	244	511
Waterman	120+50	128+25	1695	6	42	812	1635
Waterman	128+25	132+48	1120	11	26	517	1074
<b>Totals</b>		<b>8102</b>	<b>45</b>	<b>176</b>	<b>3908</b>	<b>7826</b>	

Note: Fill, Backfill Behind Curbs, and Compaction thru Cuts are all paid for as "Compacted Fill (95%)". Total Amount = 4,129 CY.

WHEELCHAIR RAMPS			
LOCATION	STATION	SIDE	QUANTITY EACH
Waterman	100+45.00	Lt.	1
Waterman	100+45.00	Rt.	1
Waterman	103+48.00	Lt.	1
Waterman	103+48.00	Rt.	1
Waterman	104+17.00	Lt.	1
Waterman	104+17.00	Rt.	1
Waterman	107+18.00	Rt.	1
Waterman	107+19.00	Lt.	1
Waterman	107+91.00	Rt.	1
Waterman	107+92.00	Lt.	1
Waterman	110+93.00	Lt.	1
Waterman	110+93.00	Rt.	1
Waterman	111+72.00	Lt.	1
Waterman	111+72.00	Rt.	1
Waterman	114+72.00	Lt.	1
Waterman	114+73.00	Rt.	1
Waterman	115+52.00	Lt.	1
Waterman	115+52.00	Rt.	1
Waterman	118+62.00	Rt.	1
Waterman	119+37.00	Rt.	1
Waterman	120+53.00	Rt.	1
Waterman	121+11.00	Rt.	1
Waterman	126+55.00	Lt.	1
Waterman	127+10.00	Lt.	1
Waterman	127+11.00	Rt.	1
Waterman	128+62.00	Lt.	1
Waterman	129+35.00	Lt.	1
<b>Total</b>			<b>27</b>

CONCRETE PAVEMENT HEADER (11") (REINF.) (AE)			
LOCATION	STATION	QUANTITY (S.Y.)	REMARKS
Main Intersection	100+00.00	89.61	7 Headers
Market Intersection	103+82.61	45.11	4 Headers
Broadway Intersection	107+55.05	91.55	8 Headers
Topeka Intersection	111+32.35	42.84	4 Headers
Emporia Intersection	115+12.40	87.76	8 Headers
Crosswalk	127+09.50	23.50	2 Headers
<b>Total</b>		<b>380.37</b>	

7" A.C. PAVEMENT (BM-2, PG 70-28)			
LOCATION	STATION TO STATION	QUANTITY (S.Y.)	REMARKS
Waterman	96+00	102+00	861.08
Waterman	102+00	108+00	3272.87
Waterman	108+00	114+00	3004.31
Waterman	114+00	120+00	3167.23
Waterman	120+00	126+00	2215.00
Waterman	126+00	132+00	3320.67
Waterman	132+00	138+00	477.24
<b>Total</b>		<b>16318.40</b>	

CONCRETE PAVEMENT (9") (REINF.) (AE)			
LOCATION	STATION TO STATION	QUANTITY (S.Y.)	
Market Intersection	103+57.63	104+07.61	277.78
Topeka Intersection	111+02.35	111+62.35	333.33
Waterman @ R.R. Overpass	123+08.00	124+88.00	891.10
<b>Total</b>		<b>1502.21</b>	

CONCRETE SAFETY BARRIER				
STATION TO STATION	ROADWAY	SIDE	CONC. SAFETY BARRIER (TYPE II) (SPECIAL) (AE) (L.F.)	QUANTITY
122+99.97	123+31.96	Waterman	Cln.	32.00
124+82.46	125+14.44	Waterman	Cln.	32.00
<b>TOTAL</b>				<b>64.00</b>

ADJUSTMENT OF TRAFFIC SIGNAL SERVICE BOXES					
ROADWAY	STATION	SIDE	FROM ELEVATION	TO ELEVATION	QUANTITY
Waterman	100+38	Lt.	1298.16	1297.86	1
Waterman	100+42	Rt.	1298.16	1297.76	1
Waterman	100+44	Lt.	1298.34	1297.80	1
Waterman	127+23	Rt.	1296.91	1296.60	1
<b>Total</b>					<b>4</b>

CONCRETE PAVEMENT (7") (REINF.) (AE) (UNDER BRICK PAVERS)		
LOCATION	STATION	QUANTITY (S.Y.)
Main Intersection	100+00.00	378.70
Market Intersection	103+82.61	242.71
Broadway Intersection	107+55.05	514.21
Topeka Intersection	111+32.35	239.10
Emporia Intersection	115+12.40	514.54
Crosswalk	127+09.50	47.01
<b>Total</b>		<b>1936.27</b>

4" SIDEWALK PAVEMENT (MEASURED QUANTITY)			
LOCATION	STATION TO STATION	QUANTITY (S.F.)	REMARKS
Waterman	96+00	102+00	1626.51
Waterman	102+00	108+00	7928.10
Waterman	108+00	114+00	8187.24
Waterman	114+00	120+00	6488.73
Waterman	120+00	126+00	4244.72
Waterman	126+00	132+00	5977.13
Waterman	132+00	138+00	449.20
<b>Total</b>		<b>34901.63</b>	

REINFORCED CRUSHED ROCK BASE					
LOCATION	STATION TO STATION	8" RCRB QUANTITY (S.Y.)	7" RCRB QUANTITY (S.Y.)	6" RCRB QUANTITY (S.Y.)	REMARKS
Waterman	96+00	102+00	998.86	65.87	472.26
Waterman	102+00	108+00	3828.26	213.30	1223.69
Waterman	108+00	114+00	3543.36	467.67	651.21
Waterman	114+00	120+00	3720.46	217.61	641.87
Waterman	120+00	126+00	2581.39	132.97	891.10
Waterman	126+00	132+00	3740.71	420.09	336.42
Waterman	132+00	138+00	336.02	21.22	-
<b>Totals</b>		<b>18749.06</b>	<b>1538.73</b>	<b>4216.55</b>	

5" A.C. PAVEMENT (MEASURED QUANTITY)			
LOCATION	STATION TO STATION	QUANTITY (S.Y.)	REMARKS
Waterman	96+00	138+00	412
Mead (Orme to WTA)	-	-	1075
<b>Total</b>			<b>1487</b>

PAVING BRICK (INTERSECTION)		
LOCATION	STATION	QUANTITY (S.Y.)
Main Intersection	100+00.00	328.56
Broadway Intersection	107+55.05	260.90
Emporia Intersection	115+12.40	286.22
<b>Total</b>		<b>875.68</b>

PAVING BRICK (CROSSWALK)		
LOCATION	STATION	QUANTITY (S.Y.)
Main Intersection	100+00.00	323.54
Market Intersection	103+82.61	242.77
Broadway Intersection	107+55.05	253.31
Topeka Intersection	111+32.35	239.10
Emporia Intersection	115+12.40	228.32
Crosswalk	127+09.50	47.00
<b>Total</b>		<b>1334.04</b>

CONCRETE RAILROAD APPROACH (7") (REINF.) (AE)		
LOCATION	STATION	QUANTITY (S.Y.)
West Approach Slab	130+49.96	116.64
East Approach Slab	130+92.54	133.53
<b>Total</b>		<b>250.17</b>

No.	Revision	By	Date
WATERMAN STREET <b>SUMMARY OF QUANTITIES</b>			
JAMES L. ARMOUR, P.E. - CITY ENGINEER CITY OF WICHITA PROJECT NO. 468-84167			
<b>Professional Engineering Consultants, P.A.</b> 303 S. TOPEKA • WICHITA, KANSAS 67202 316-262-2691 • FAX 316-262-3003			
Designed by	MJW	Job No.	06237
Drawn by	MJW	Date	Feb., 2007
			Sht. R36 of R111