

DATE				
BY				
REFERENCES NOTED				
REFERENCES CHECKED				

CURB & GUTTER, COMBINED (AE)					
LOCATION		SIDE	TYPE I (m)	MONO (m)	REMARKS
STATION	TO STATION				
PAWNEE AVE.					
3+835.56	– 4+107.47	Lt.	266.71		
3+860.88	– 4+043.35	Rt.	186.88		
4+071.42	– 4+131.98	Rt.	60.57		
4+135.83	– 4+230.90	Lt.	95.04		
4+160.24	– 4+230.41	Rt.	70.21		
4+259.17	– 4+533.52	Lt.	274.34		
4+259.08	– 4+534.10	Rt.	275.03		
4+562.30	– 4+662.05	Lt.	99.76		
4+562.80	– 4+652.21	Rt.	89.41		
4+680.76	– 4+768.82	Rt.	88.06		
4+692.55	– 4+978.65	Lt.	286.12		
4+795.56	– 4+978.65	Rt.	183.09		
Subtotal			1975.22		
PAWNEE AVE.					
3+831.39	– 3+860.88	Rt.		37.35	OAK KNOLL
4+043.35	– 4+071.42	Rt.		28.28	CAPRI (SOUTH)
4+107.47	– 4+135.83	Lt.		28.28	DALTON (NORTH)
4+131.98	– 4+160.24	Rt.		28.28	DALTON (SOUTH)
4+230.90	– 4+259.17	Lt.		28.28	CAPRI (NORTH)
4+230.41	– 4+259.08	Rt.		28.28	LINDEN
4+534.10	– 4+562.80	Rt.		28.28	CYPRESS (SOUTH)
4+533.52	– 4+562.30	Lt.		28.28	CYPRESS (NORTH)
4+652.21	– 4+680.76	Rt.		25.38	COOPER (SOUTH)
4+662.09	– 4+692.55	Lt.		28.28	COOPER (NORTH)
4+768.82	– 4+795.56	Rt.		28.28	LAUREL
Subtotal				317.25	
WEBB ROAD					
4+851.41	– 4+978.78	Lt.	127.17		
4+958.50	– 4+978.78	Rt.	20.28		
5+021.56	– 5+151.15	Lt.	129.92		
5+021.56	– 5+151.15	Rt.	129.91		
Subtotal			407.28		
WEBB ROAD					
4+824.42	– 4+848.58	Lt.		28.56	CARSON
Subtotal				28.56	
INTERSECTION					
4+978.65	– 5+021.56			75.77	
Subtotal				75.77	
TOTAL			2382.50	421.58	

* MOUNTABLE CURB SHALL BE SUBSIDIARY TO "CURB AND GUTTER, COMBINED (AE)".

ADJUST VALVE BOX/FIRE HYDRANT, MANHOLE AND WATER METER						
STATION	OFFSET	WV (EA.)	FH (EA.)	SSMH (EA.)	SWMH (EA.)	WM (EA.)
PAWNEE AVE.						
3+255.0	11.6m Lt.	1				
3+310.0	12.4m Lt.			1		
3+363.9	12.4m Lt.			1		
3+415.9	12.6m Lt.			1		
4+065.1	13.36m Rt.	1				
4+075.4	17.0mLt.			1		
4+128.3	12.97m Rt.	1				
4+134.8	13.4m Rt.	1				
4+154.3	14.2m Rt.	1				
4+166.4	13.7m Lt.			1		
4+235.2	8.2m Rt.				1	
4+236.9	9.4m Rt.	1				
4+237.9	16.6m Lt.	1				
4+238.7	16.9m Lt.		1			
4+252.8	12.9m Rt.	1				
4+254.1	13.5m Rt.	1				
4+255.5	11.7m Rt.		1			
4+255.5	12.7m Rt.	1				
4+330.5	12.03m Rt.					1
4+540.4	8.2m Rt.				1	
4+540.9	16.9m Lt.					1
4+554.4	16.4m Lt.		1			
4+554.7	16.6m Lt.	1				
4+555.8	16.2m Lt.	1				
4+556.1	14.6m Rt.	1				
4+556.9	14.0m Rt.	1				
4+592.1	11.8m Lt.			1		
4+674.4	15.1m Rt.	1				
4+787.9	16.2m Rt.		1			
4+788.9	14.5m Rt.	1				
4+788.9	16.1m Rt.	1				
4+877.8	6.7m Rt.		1			
4+877.8	13.5m Rt.	1				
4+962.6	15.2m Rt.	1				
4+974.4	7.9m Rt.		1			
4+974.7	14.7m Rt.	1				
4+979.6	14.2m Lt.	1				
4+979.7	16.0m Lt.	1				
4+980.8	15.6m Lt.	1				
WEBB RD.						
4+833.0	15.4m Lt.		1			
TOTAL		23 *	7 *	6	2	2 *

* RELOCATE/ADJUST FIRE HYDRANT/VALVE BID AS WATER LINE ADJUSTMENT (L.S.)

SIDEWALK CONSTRUCTION (AE)			
LOCATION		100 mm (m ²)	Sidewalk Width (m)
STATION TO STATION	SIDE		
PAWNEE AVE.			
3+154 – 3+199	Lt.	81.4	2.0 *
3+199 – 3+221	Lt.	64.1	3.0 *
3+229 – 3+242	Lt.	33.3	3.0 *
3+242 – 3+280	Lt.	69.0	2.0 *
3+289 – 3+331	Lt.	34.0	2.0 *
3+318 – 3+370	Lt.	101.0	2.0 *
3+377 – 3+392	Lt.	23.7	2.0 *
3+392 – 3+399	Lt.	24.0	3.0 *
3+399 – 3+430	Lt.	60.9	2.0 *
3+430 – 3+443	Lt.	32.6	3.0 *
3+454 – 3+471	Lt.	43.3	3.0 *
3+471 – 3+506	Lt.	64.4	2.0 *
3+508 – 3+684	Lt.	522.6	3.0 *
3+695 – 3+836	Lt.	402.4	3.0 *
3+836 – 4+114	Lt.	801.9	3.0
3+831 – 3+842	Rt.	15.8	2.0
3+851 – 4+052	Rt.	411.1	2.0
4+063 – 4+141	Rt.	146.4	2.0
4+129 – 4+238	Lt.	303.7	3.0
4+152 – 4+238	Rt.	167.3	2.0
4+252 – 4+540	Lt.	846.6	3.0
4+252 – 4+542	Rt.	570.7	2.0
4+555 – 4+669	Lt.	318.0	3.0
4+556 – 4+659	Rt.	191.0	2.0
4+686 – 4+987	Lt.	900.5	3.0
4+674 – 4+778	Rt.	195.3	2.0
4+787 – 4+987	Rt.	401.1	2.0
5+013 – 5+022	Lt.	25.0	2.0
5+013 – 5+022	Rt.	23.0	2.0
Subtotal		6874.1	
WEBB ROAD			
4+824 – 4+832	Lt.	9.2	2.0
4+844 – 4+978	Lt.	264.8	2.0
4+964 – 4+982	Rt.	36.0	2.0
5+022 – 5+151	Lt.	390.3	3.0
5+019 – 5+151	Rt.	264.9	2.0
Subtotal		965.2	
PROJECT TOTAL		7839.3	

* NON PARTICIPATING

CONCRETE PAVEMENT				
STATION	SIDE	200 mm UNIFORM (AE) (m ²)	150 mm UNIFORM (PLAIN) (AE) (m ²)	REMARKS
PAWNEE AVE.				
3+831.39 – 3+860.88	Rt.	171.66		Valley Gutter Oak Knoll
4+043.35 – 4+071.42	Rt.	146.44		Valley Gutter Capri
4+107.47 – 4+135.83	Lt.	149.27		Valley Gutter Dalton
4+131.98 – 4+160.24	Rt.	148.26		Valley Gutter Dalton
4+230.90 – 4+259.17	Lt.	148.35		Valley Gutter Capri
4+230.41 – 4+259.08	Rt.	152.23		Valley Gutter Linden
4+534.10 – 4+562.80	Rt.	152.57		Valley Gutter Cypress
5+533.52 – 4+562.30	Lt.	153.40		Valley Gutter Cypress
4+652.21 – 4+680.76	Rt.	135.80		Valley Gutter Cooper
4+662.09 – 4+692.55	Lt.	170.11		Valley Gutter Cooper
4+768.82 – 4+795.56	Rt.	133.53		Valley Gutter Laurel
Subtotal		1661.62		
WEBB ROAD				
4+824.42 – 4+848.58	Lt.	134.88		Valley Gutter Carson
5+109.91 – 5+129.11	Rt.		92.60	10m Driveway R = 4.6m
5+129.11 – 5+143.32	Rt.		56.44	5m Driveway R = 4.6m
Subtotal		134.88	149.04	
PROJECT TOTAL		1796.50	149.04	

CONCRETE PAVEMENT (AE)		
STATION TO STATION	200 mm UNIFORM (NRD) m ²	DESCRIPTION
4+978.65 – 5+02156	1381.8	Pawnee & Webb Intersection
PROJECT TOTAL	1381.8	

CRUSHED ROCK BASE				
STATION TO STATION (INCLUDES ALL SIDE ROADS)	CRUSHED ROCK BASE (m ²) (205 mm)	CRUSHED ROCK BASE (m ²) (100 mm)	GEOGRID REINFORCE-MENT (FOR BASE) (m ²)	REMARKS
PAWNEE AVE.				
3+835.56 – 4+978.65	17548.76		17548.76	
5+021.56 – 5+148.34	2238.39		2238.39	
5+148.34 – 5+245.71		1084.87	1084.87	
Subtotal	19787.15	1084.87	20872.02	
WEBB ROAD				
4+790.12 – 4+848.58		574.49	574.49	
4+848.58 – 4+978.78	2351.56		2351.56	
5+021.56 – 5+151.15	2385.47		2385.47	
Subtotal	4737.03	574.49	5311.52	
INTERSECTION				
4+978.65 – 5+021.56	1404.91		1404.91	
PROJECT TOTAL	25929.09	1659.36	27588.45 *	

* FOR INFORMATION ONLY

EROSION CONTROL BLANKETS @ INLETS		
STATION	OFFSET	DESCRIPTION
PAWNEE AVE.		
4+188.18	12.65m RT.	DITCH INLET TYPE II
4+830.00	12.99m RT.	DITCH INLET TYPE II
WEBB RD.		
5+060.00	14.88m RT.	DITCH INLET TYPE II

* FOR INFORMATION ONLY--COST SHALL BE SUBSIDIARY TO UNIT PRICE BID PER TYPE II DITCH INLET

FHWA REG NO.	STATE	PROJECT NO.	YEAR	SHEET NO	TOTAL SHEETS
7	KANSAS	STP-N012(901)	1999	64	131

RECAPITULATION OF ROAD QUANTITIES		
BID ITEM	QUANTITY	UNIT
AC PVMT. 180 mm (130 mm BIT. BASE)	22,285	m ²
AC PVMT. HOOK UP 150mm (100mm BIT. BASE)	1,660	m ²
REINF. CRUSHED ROCK BASE (205mm)	25,929	m ²
REINF. CRUSHED ROCK BASE (100mm)	1,659	m ²
R.C.V.G. PVMT. (200 mm)(UNIFORM)(AE)	1,797	m ²
CONC. DRIVE PVMT. (150 mm)(UNIFORM)(PLAIN)(AE)	149	m ²
CONC. DRIVE PVMT. (200 mm)(UNIFORM)(AE)	1,382	m ²
COMB. CURB & GUTTER, TYPE I (AE)	2,382	m
MONO. EDGE CURB (AE)	422	m
SIDEWALK CONSTRUCTION (100mm)(AE)	6,283	m ²
PAVING BRICK	350	m ²
WHEELCHAIR RAMP (1.80 m)	17	EACH
WHEELCHAIR RAMP (3.10m)	13	EACH
INLET HOOKUPS	20	EACH
SLOPE DRAIN	9	m
EXCAVATION	30,698	m ³
COMPACTED FILL (TYPE B)(MR-90)	1,366	m ³
* 450mm STORM SEWER (RCP)	210	m
* 600mm STORM SEWER (RCP)	45	m
* 750mm STORM SEWER (RCP)	521	m
* 900mm STORM SEWER (RCP)	128	m
* 1050mm STORM SEWER (RCP)	48	m
* 0.90 sq.m STORM SEWER (RCPHE)	6	m
* INLET (CURB) (TYPE 1A) (1.93m X 1.32m)	8	EACH
* INLET (CURB) (TYPE 1A) (1.93m X 1.63m)	7	EACH
* INLET (CURB) (TYPE 1A) (1.93m X 1.93m)	1	EACH
* INLET (CURB) (TYPE 1A) (1.93m X 2.24m)	1	EACH
* INLET (CURB) (TYPE 1A) (3.45m X 1.93m)(DOUBLE)	1	EACH
* INLET (DITCH) (TYPE 2) (1.36m X 1.72m)	3	EACH
* STD. SHALLOW MANHOLE (TYPE A OR B)	8	EACH
* MANHOLE ADJUSTMENT W/ NEW RING AND COVER	2	EACH
2.134 m x 1.219 m RCB w/ WINGWALLS, HEADWALL, APRON & PRECAST CONC. RCB PLUG & TYPE B MANHOLE	1	L.S.
2.440 m x 1.525 m RCB w/ WINGWALLS, HEADWALL, APRON & SOIL SAVER	1	L.S.
HANDRAIL	7	m
SURVEY MONUMENT	2	EACH
INLET SEDIMENT BARRIERS	21	EACH
SITE CLEARING AND RESTORATION	1	L.S.
EROSION CONTROL	1	L.S.
PROJECT SEEDING	1	L.S.
STREET SIGNAGE	1	L.S.
PAVEMENT MARKING	1	L.S.
TRAFFIC CONTROL	1	L.S.
TEMPORARY PAVEMENT	1	L.S.
SERVICE BOXES & CONDUIT TO SERVE FUTURE SIGNALIZATION	1	L.S.
TRAINEES (HIGHWAY CONSTRUCTION)(SET)	1	HOOR
MOBILIZATION	1	L.S.
MOBILIZATION (DBE)	1	L.S.
FIELD OFFICE & LAB (TYPE A)	1	L.S.
NON-PARTICIPATING		
WATER LINE ADJUSTMENT	1	L.S.
RELOCATE/RECONSTRUCT PRIVATE SPRINKLER SYSTEM	1	L.S.
REMOVE SIDEWALK	96	m ²
SIDEWALK CONSTRUCTION (100 mm)(AE)	1,557	m ²
MANHOLE ADJUSTMENT	8	EACH
2 YEAR MAINTENANCE WARRANTY	1	L.S.

* 41% NON-PARTICIPATING

SURVEY MONUMENT (INSTALL ONLY)			
STATION	SIDE	QUANTITY EACH	REMARKS
5+000.00	℄	1	
4+192.42	℄	1	
PROJECT TOTAL		2	

2					
1					
NO.	DATE	REVISIONS	BY	APP'D	
KANSAS DEPARTMENT OF TRANSPORTATION					
SUMMARY OF QUANTITIES					
PROJ. NO. STP-N012(901)					
MID-KANSAS ENGINEERING CONSULTANTS, INC. WICHITA, KANSAS					
DESIGNED BY:	JTC	CHECKED BY:	JTC		
DRAWN BY:	GJR	DATE: JULY 1999	SHEET 64 OF 131		