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

DATE	BY	
		REFERENCES NOTED
		REFERENCES CHECKED

CURB & GUTTER, COMBINED (AE)

LOCATION STATION TO STATION	SIDE	TYPE I (m)	MONO (m)	REMARKS
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 STATION TO STATION	SIDE	100 mm (m^2)	Sidewalk Width (m)
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 (NRDJ) 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

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 1 (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) (1.39m X 1.72m)	3	EACH
* STD. SHALLOW MANHOLE (TYPE A OR P)	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	HOUR
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

REMOVAL OF EXISTING STRUCTURES *
(FOR INFORMATION ONLY)

STATION	OFFSET	DESCRIPTION
PAWNEE AVE.		
3+913	℄	CMP
4+029	10m Rt.	END SECTION
4+059	7.6m Rt.	CMP
4+068	8.1m Rt.	450mm RCP & END SECTION
4+121	9.3m Lt.	CMP
4+147	7.8m Rt.	CMP
4+167	5m Lt. & Rt.	CONC. HEADWALL & WINGWALLS
4+245	8m Rt.	380mm RCP
4+245	9m Lt.	450mm RCP
4+540	8.2m Rt.	STORM WATER MAN HOLE
4+549	8.7m Lt.	CMP
4+574	8.2m Rt.	750mm RCP
4+614	℄	RCB, HEADWALL & WINGWALLS
4+650	12.2m Rt.	600mm RCP
4+666	8.5m Rt.	CMP
4+724	15m Rt.	600mm CMP
4+771	12m Rt.	450mm RCP
4+782	9m Rt.	CMP
4+906	10m Rt.	CMP
4+967	9m Rt.	CMP
5+038	8m Rt.	CMP
WEBB ROAD		
4+838	7.5m Lt.	CMP
5+120	8.5m Rt.	CMP
5+136	8.5m Rt.	CMP

* REMOVAL OF EXISTING STRUCTURES SHALL BE CONSIDERED SUBSIDIARY TO "SITE CLEARING & RESTORATION". THE LISTING MAY NOT BE COMPLETE. PAYMENT FOR STRUCTURES OR OBSTRUCTIONS NOT LISTED BUT WHOSE REMOVAL IS REQUIRED BY THE CONSTRUCTION, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE BID ITEM "SITE CLEARING & RESTORATION".

SIDEWALK REMOVAL

LOCATION STATION TO STATION	SIDE	100 mm (m^2)	Sidewalk Width (m)
PAWNEE AVE.			
3+154.16 – 3+154.49	Lt.	0.9	2.0 *
3+198.92 – 3+205.33	Lt.	8.3	2.0 *
3+218.58 – 3+221.14	Lt.	3.4	2.0 *
3+229.32 – 3+241.55	Lt.	15.5	2.0 *
3+391.57 – 3+399.18	Lt.	9.4	2.0 *
3+430.43 – 3+422.94	Lt.	17.1	2.0 *
3+454.43 – 3+471.08	Lt.	25.0	2.0 *
3+679.52 – 3+684.08	Lt.	8.7	2.0 *
3+694.40 – 3+699.10	Lt.	7.7	2.0 *
TOTAL		95.2	

* NON PARTICIPATING

WATER LINE ADJUSTMENT

WATER ITEMS (NON-PARTICIPATING) *	QUANTITY	UNIT
WL PIPE 200mm	51	m
WL PIPE 500mm	268	m
DICL SJ PIPE 200mm	0	m
DICL SJ PIPE 500mm	7	m
FIRE HYDRANT ASSEMBLY	0	Ea.
AIR RELEASE VALVE ASSEMBLY	2	Ea.
RELOCATE FIRE HYDRANT & VALVE	2	Ea.
WATER VALVE BOX ADJUSTED	23	Ea.
FIRE HYDRANT ADJUSTED	7	Ea.
WATER METER ADJUSTED	2	Ea.
300mmX200mm MJ TAPPING SLEEVE & VALVE	1	Ea.
PAVEMENT REMOVAL W/ TEMPORARY PATCH `	12	m

* FOR INFORMATION ONLY - BID AS "WATER LINE ADJUSTMENT" LUMP SUM

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

SURVEY MONUMENT (INSTALL ONLY)

STATION	SIDE	QUANTITY EACH	REMARKS
5+000.00	℄	1	
4+192.42	℄	1	
PROJECT TOTAL		2	

NO.	DATE	REVISIONS	BY	APP'D
2				
1				

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

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