

REINFORCED CRUSHED ROCK BASE			
REFERENCE LINE STATION	SIDE	CRUSHED ROCK BASE 6", REINF. (SQ. YD.)	REMARKS
17+15.08 to 17+58.77	℄	362.27	WEST APPROACH
21+54.50 to 22+48.23	℄	562.22	EAST APPROACH
TOTAL		924.49	

BRICK PAVERS REMOVED AND RESET			
REFERENCE LINE STATION	SIDE	QUANTITY (SQ. YD.)	REMARKS
17+15.08 to 17+58.77	RT.	11.6	WEST APPROACH
21+54.50 to 22+48.23	RT.	47.1	EAST APPROACH
TOTAL		58.7	

It is assumed 80% of the bricks will be in suitable condition to reuse, requiring the purchase of new bricks for 20% of the total area. The bid price for new pavers includes removal of the existing paver and installation of the new paver.

No adjustment in pay will be made for the different base conditions below the pavers.

CONCRETE PAVEMENT						
REFERENCE LINE STATION	SIDE	CONCRETE PAVEMENT 12" (REINF.) (SQ. YD.)	CONCRETE PAVEMENT 12", BRIDGE (SQ. YD.)	CONCRETE SAFETY BARRIER, SPECIAL (L.F.)	BRIDGE APPROACH SLAB FTG. (C.Y.)	REMARKS
17+12.53 to 17+39.48	℄	96.99				N.W. PVMT. APPROACH
17+12.53 to 17+39.48	℄	102.26				S.W. PVMT. APPROACH
17+39.48 to 17+55.35	℄		126.00			WEST BRIDGE APPROACH
17+00.94 to 17+30.81	LT.			30.00		WEST BRIDGE APPROACH
17+39.17	℄				26.00	WEST BRIDGE APPROACH
17+49.61 to 17+79.42	RT.			30.00		WEST BRIDGE APPROACH
21+36.41 to 21+52.28	℄		161.47			EAST BRIDGE APPROACH
21+58.07 to 22+08.71	RT.	166.86				N.E. PVMT. APPROACH
21+91.16 to 22+41.12	RT.	168.86				S.E. PVMT. APPROACH
21+25.05 to 21+54.30	LT.			30.00		EAST BRIDGE APPROACH
21+52.28	℄				33.22	EAST BRIDGE APPROACH
21+86.66 to 22+15.01	RT.			30.00		EAST BRIDGE APPROACH
23+61.52 to 24+24.82	RT.	7.26				PVMT. WIDENING
TOTAL		542.23	287.47	120.00	59.22	

SIDEWALK CONSTRUCTION							
REFERENCE LINE STATION	SIDE	CONCRETE SIDEWALK 4" (SQ. FT.)	CONCRETE SIDEWALK 6" (REINF.) (SQ. FT.)	A.C. PAVEMENT 6" (4" BIT. BASE) (SQ. YD.)	SIDEWALK THICKENING (L.F.)	WHEELCHAIR RAMP WITH DETECTABLE WARNINGS (EACH)	REMARKS
17+26.00 to 18+16.13	℄		1609.00		--		UNDER BRIDGE
17+34.76 to 18+90.54	RT.	1707.49			--		SIDEWALK "A"
16+95.16 to 17+30.34	LT.	177.34		32.66	11.87		N.W. ABUTMENT
17+36.54 to 18+21.62	RT.	268.34		11.61	21.29		S.W. ABUTMENT
21+20.54 to 21+31.00	LT.	74.51			4.16		N.E. ABUTMENT
21+87.46 to 22+18.93	RT.	190.44			13.78		S.E. ABUTMENT
21+83.29 to 22+85.20	LT.	726.48			--	1	SIDEWALK "B"
TOTAL		3144.6	1609.00	44.27	51.10	1	

CONCRETE CURB AND GUTTER							
REFERENCE LINE STATION	SIDE	CONCRETE C & G, TYPE 1 (6" & 1 1/2") (L.F.)	CONCRETE C & G, TYPE 1 SPECIAL (6" & 1 1/2") (L.F.)	CONCRETE C & G, TYPE 3 SPECIAL (6" & 1 1/2") (L.F.)	CONCRETE CURB, MONO EDGE (6" & 1 1/2") (L.F.)	CONCRETE RAMP NOSE SECTION (MEDIAN) (EACH)	REMARKS
16+95.16 to 17+00.94	LT.	5.78					WEST APPROACH
17+36.21 to 17+49.62	RT.	15.16					WEST APPROACH
17+15.08 to 17+59.36	RT.			41.50	46.22	1	WEST APPROACH
21+54.30 to 22+14.06	LT.	62.40					EAST APPROACH
22+15.01 to 22+34.41	RT.	20.97					EAST APPROACH
21+54.58 to 22+48.23	RT.			107.77	68.31		EAST APPROACH
23+61.52 to 24+24.82	RT.		81.66				PVMT. WIDENING
TOTAL		104.31	81.66	149.27	114.53	1	

EARTHWORK							
REFERENCE LINE STATION	SIDE	EXCAVATION			COMPACTION		REMARKS
		PAVEMENT REMOVED (SQ. YD.)	SIDEWALK, DRIVE AND/OR PARKING LOT REMOVED (SQ. YD.)	COMMON			
				(CU. YD.)	VMF	FILL, COMPACTED (95% DENSITY) (CU. YD.)	
17+15.08 to 17+58.77	℄	353.73	230.78				WEST APPROACH
21+54.50 to 22+48.23	℄	534.02	29.33				EAST APPROACH
TOTAL		887.75	260.11				

RECAPITULATION OF QUANTITIES		
Lump Sum Bid Items - Paving		
Site Clearing	1	LS
Pavement Removed	888	sy
Field Office & Laboratory (Type A)	1	ea
Construction Staking	1	LS
Transportation of Salvaged Materials	1	LS
Mobilization	1	LS
Concrete Pavement 12" (Reinf)	543	sy
Concrete Approach 12", Bridge	288	sy
Concrete Safety Barrier, Special	120	lf
Bridge Approach Slab Footing	60	cy
Crushed Rock Base 6", Reinforced	925	sy
Concrete C & G, Type 1 (6" & 1-1/2")	105	lf
Concrete C & G, Type 1 (6" & 1-1/2"), Special	82	lf
Concrete C & G, Type 3 (6" & 1-1/2"), Special	149	lf
Concrete Curb, Mono Edge (6" & 1 1/2")	115	lf
Concrete Ramp Nose Section (Median)	1	ea
Concrete Sidewalk 4"	3,145	sf
Concrete Sidewalk 6" (Reinf)	1,609	sf
AC Pavement 6" (4" Bit. Base)	45	sy
Sidewalk Thickening	52	lf
Wheelchair Ramp w/ Detectable Warnings	1	ea
Valve Box Adjusted	1	ea
Rip-Rap, Light Stone	1,116	sy
Sodding	1	LS
Site Restoration	1	LS

Lump Sum Bid Items - Bridge		
Class III Excavation	3,882	cy
Concrete (Grade 4.0)	313	cy
Reinforcing Steel (Grade 60)(Epoxy Coated)	56,320	lbs
Structural Steel (AASHTO M270)	18,870	lbs
Multi-Layer Polymer Concrete Overlay	2,831	sy
Handrail, Remove, Repair and Reset, Type 1	804	lf
Handrail, Remove, Repair and Reset, Type 2	826	lf
Concrete Masonry Coating	1	LS
Sidewalk Approach Seat	4	ea
Structural Steel (Merchant Quality)	2,380	lbs

Lump Sum Bid Items - Traffic		
Pavement Markings	1	LS
Signing	1	LS
Traffic Control	1	LS

Measured Quantity Bid Item - Paving		
Sidewalk, Drive &/or Pkg Lot Removed	260	sy
Brick Pavers Removed and Reset	47	sy
Brick Pavers (new)	12	sy

Measured Quantity Bid Items - Bridge		
Reinforcing Steel (Repair)	10,214	lbs
Bridge Curb Repair	195	sf
Concrete Surface Repair	3,004	sf
Area Prepared for Patching	1,301	sy
Area Prepared for Patching (Full depth)	59	sy

Measured Quantity Bid Items - Erosion Control BMP		
BMP, Back of Curb Protection	158	lf
BMP, Construction Entrance	2	ea
BMP, Curb Inlet Protection	1	ea
BMP, Silt Fence	622	lf

Measured Quantity Bid Items - Traffic		
Signing, Elec. Portable Message (each per day)	20	days
Concrete Safety Barrier (Temporary)	200	lf

FOR UTILITY ADJUSTMENTS SEE SHEET NO. 9
 FOR BRIDGE SUMMARY OF QUANTITIES SEE SHEET NO. 14
 FOR BMP SUMMARY OF QUANTITIES SEE SHEET NO. 31
 FOR ROADSIDE IMPROVEMENT SUMMARY OF QUANTITIES SEE SHEET NO. 37
 FOR PAVEMENT MARKING SUMMARY OF QUANTITIES SEE SHEET NO. 38
 FOR SIGNING SUMMARY OF QUANTITIES SEE SHEET NO. 39



PAWNEE AVENUE BRIDGE OVER ARKANSAS RIVER BRIDGE REHABILITATION IMPROVEMENTS

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SUMMARY AND RECAPITULATION OF QUANTITIES

PROJECT NO.	472-84922	
DATE	04/05/2016	
SCALE	N/A	
DESIGNED	DRAWN	CHECKED
JRA	DPG	JRA

NO.	REVISION	DATE

SHEET NO.