

Revised: June 3, 1997

DATE	
BY	
REFERENCES NOTED	
REFERENCES CHECKED	

RECAPITULATION OF BRIDGE QUANTITIES									
STATION	ROADWAY	SIDE	CLASS AAA (AE) CONCRETE (cu m)	REINFORCING STEEL GRADE 420 (kg)	REINFORCING STEEL (GR. 420) EPOXY COATED (kg)	CLASS III EXCAVATION (cu m)	BRIDGE HANDRAIL (METAL) (m)	CONCRETE FOR SEAL COURSE (cu m)	REMARKS
0+346.00	29th Street	Lt. & Rt.	252.7	15 290	14 074	862		59.4	
0+338 to 0+354	29th Street	Lt. & Rt.					47.5		
0+346.00	29th Street	Lt. & Rt.	6.5		+800- 1 880				Corral Rail
0+346.00	29th Street	Lt. & Rt.							Corral Rail
<b>TOTALS</b>			259.2	15 290	14 874	862	47.5	59.4	

φ - Reinforcing Steel and Excavation for Encasement of Sanitary Sewer is Subsidiary to Concrete for Seal Course

SLOPE PROTECTION (RIP-RAP STONE)			
STATION	ROADWAY	RIP-RAP STONE (cu m)	REMARKS
0+346.00	29th Street	14	Light 600 mm
<b>TOTALS</b>		14	

RECAPITULATION OF ROAD QUANTITIES		
	QUANTITY	UNIT
Clearing and Grubbing	L.S.	L.S.
Common Excavation	123	cu m
Rock Excavation	54	cu m
Removal of Existing Structures	L.S.	L.S.
Water (Grading)(Set)	1	cu m
Compaction of Earthwork (Type B)(MR-90)	307	cu m
Common Excavation (Contr. Furn.)	316	cu m
Crushed Stone Subgrade (200 mm)	383	sq m
Geogrid Reinforcement for Base	383	sq m
Plant Mix Bituminous Mixture (Comm. Grade)	35	metric ton
Slope Protection (Rip-Rap Stone)	14	cu m
900 mm Storm Sewer (RCP)	15.2	m
150mm Sidewalk Construction (AE)	74.0	sq m
Concrete Safety Barrier (Special)(AE)	40.0	m
Concrete Pavement (260 mm Unif.)(AE)	270.4	sq m
Temporary Surfacing Material (Set)	1	cu m
Field Office and Laboratory (Type A)	1	Each
Mobilization	L.S.	L.S.
Mobilization (DBE)	L.S.	L.S.
Foundation Stabilization (Set)	1	cu m
Restoration & Maintenance of Haul Roads (Set)	L.S.	L.S.
Bridge Project Marker (Non-Participating)	1	Each
Contractor Construction Staking	L.S.	L.S.
Granular Backfill (Wingwalls)(Set)	1	cu m
Trainee (Highway Construction)(Set)	1	hour

See Sh. No. 22 for Temporary Project Water Pollution Control Quantities  
 See Sh. No. 30 for Traffic Control Quantities  
 See Sh. No. 8 for Storm Sewer & Drainage Structure Quantities  
 See Sh. No. 28 for Pavement Marking Quantities  
 See Sh. No. 27 for Seeding Quantities

SUMMARY OF EARTHWORK					
STA. TO STA.	EXCAVATION			COMPACTION (Type B)(MR-90) (cu m)	REMARKS
	COMMON (cu m)	VMF	ROCK (cu m)		
0+305.852 to 0+371.736	439 *	0.7	54 **	307	* Includes 316 m <sup>3</sup> Common Excavation (Contr. Furn.) ** to waste
<b>TOTALS</b>	439 *		54 **	307	

CONCRETE PAVEMENT (260mm UNIF.) (AE)				
STA. TO STA.	ROADWAY	CONCRETE PAVEMENT (260mm Unif.)(AE) (sq. m.)	REMARKS	
0+328.04 to 0+338.04	29th Street	135.2		
0+353.96 to 0+363.96	29th Street	135.2		
<b>TOTALS</b>		270.4		

SUMMARY OF CRUSHED STONE SUBGRADE					
STA. TO STA.	ROADWAY	LOCATION	200mm CRUSHED STONE SUBGRADE (sq m)	GEOGRID REINFORCEMENT FOR BASE (sq m)	REMARKS
0+318.000 to 0+328.267	29th Street	Lt. & Rt.	227.7	227.7	
0+353.733 to 0+366.000	29th Street	Lt. & Rt.	154.9	154.9	
<b>TOTALS</b>			382.6	382.6	

150mm SIDEWALK CONSTRUCTION (AE)				
STA. TO STA.	ROADWAY	CONCRETE PAVEMENT (260mm Unif.)(AE) (sq. m.)	REMARKS	
0+328.04 to 0+338.04	29th Street	18.5	Left Side	
0+353.96 to 0+363.96	29th Street	18.5	Left Side	
0+328.04 to 0+338.04	29th Street	18.5	Right Side	
0+353.96 to 0+363.96	29th Street	18.5	Right Side	
<b>TOTALS</b>		74.0		

SUMMARY OF SURFACING QUANTITIES				
STA. TO STA.	ROADWAY	PLANT MIX BITUMINOUS MIXTURE (COMMERCIAL GRADE) (metric ton)	REMARKS	
0+318.000 to 0+328.267	29th Street	29		
0+353.733 to 0+366.000	29th Street	6		
<b>TOTALS</b>		35		

QUANTITIES CALCULATED ON THE BASIS OF 2320 kg/m<sup>3</sup>

BRIDGE PROJECT MARKER *				
STATION	ROADWAY	SIDE	BRIDGE PROJECT MARKER	REMARKS
0+340.00	29th Street	Rt.	1	Mount on Handrail
<b>TOTALS</b>			1	

\* Non-Participating. For Information Only

CONCRETE SAFETY BARRIER (SPECIAL)(AE)				
STATION TO STATION	ROADWAY	SIDE	CONCRETE SAFETY BARRIER (m)	REMARKS
0+328.040 TO 0+338.040	29th Street	Lt.	10.000 m	
0+328.040 TO 0+338.040	29th Street	Rt.	10.000 m	
0+353.960 to 0+363.960	29th Street	Lt.	10.000 m	
0+353.960 to 0+363.960	29th Street	Rt.	10.000 m	
<b>Total</b>			40.000 m	

SUMMARY OF QUANTITIES 29TH STREET BRIDGE				
<b>SRB</b>	224 NORTH MAIN WICHITA, KANSAS 67203	316-264-8008 FAX 264-4821	REVISED	
SAVOY, RUGGLES & BOHM, P.A. ENGINEERING & SURVEYING				
PROJECT NUMBER 472-82414				
DRAWN KWL	DESIGN CMB	REVIEW	DATE Feb. 15 1997	UTILITY 95E