

TEMPORARY PAVEMENT PATCHING				
STATION	SIDE	OFFSET	TEMP. ASPHALT PAVEMENT (6") (S.Y.)	TEMP. AGGREGATE SURFACING (6") (S.Y.)
ROADWAY ITEMS: # # Paid for as "Temporary Asphalt Pavement (SWS Patch)" or "Temporary Aggregate Surface (SWS Patch)".				
BROADWAY				
35+80 to 37+63	Lt.	22'	203	
35+80 to 37+22	Rt.	22'	190	
38+06 to 38+31	Rt.	58'	17	
40+00 to 40+29	Rt.	79'		26
59+67 to 59+93	Lt.	50'		29
63+14 to 63+39	Rt.	28'	22	
63+85 to 64+17	Rt.	31'	22	
Road Items Total:			454	55
WATER ITEMS: ## ## Paid for as "Temporary Asphalt Pavement (Water Line Patch)" or "Temporary Aggregate Surface (Water Line Patch)".				
BROADWAY				
38+27 to 38+95	Lt.			148
Topeka				
13+47 to 13+82	Rt.			59
Water Item Totals:				207
SANITARY ITEMS: ### ### Paid for as "Temporary Asphalt Pavement (SS Patch)" or "Temporary Aggregate Surface (SS Patch)".				
BROADWAY				
37+91 to 38+34	Rt.			75
Sanitary Item Totals:				75

CONCRETE PAVEMENT				
STATION/LOCATION	SIDE	Concrete Approach, 12", Bridge (SQ.YD.)	Bridge Approach Slab Footing (CU.YD.)	REMARKS
BROADWAY				
47+23.63 to 47+60.34	☺	222.29	32.50	South Approach
52+39.66 to 52+76.43	☺	222.29	32.50	North Approach
TOTAL		444.58	65.00	

AGGREGATE SURFACING				
STATION	3" SA-1 ON 5" AB-3 (S.Y.)	ASPHALT * MILLINGS (S.Y.)	REMARKS	
PRIVATE DR.	2,352.71			
GALENA CUL-DE-SAC	1,371.53			
SWS MAINTENANCE DRIVE		617.71		
TOTAL	3,724.24	617.71		

*Work includes Subgrade Preparation and Compaction below Millings Surfacing.

REINFORCED CRUSHED ROCK BASE				
LOCATION	CRUSHED ROCK BASE (6") (SQ.YD.)	CRUSHED ROCK BASE (7") (SQ.YD.)	CRUSHED ROCK BASE (8") (SQ.YD.)	REMARKS
BROADWAY ST.				
34+93.90 to 47+23.63			7,481.30	
39+28.08		167.08		37TH St.
47+23.63 to 47+60.34	230.45			Approach Slab
52+39.66 to 52+76.43	230.45			Approach Slab
63+72.09		139.28		Patterson
52+76.43 to 64+81.64			7,464.52	
TOPEKA ST/ 37TH ST.				
11+27.15 to 21+59.96	3,046.51			
13+63.67		107.07		Valley Gutter
21+21.34		119.54		Valley Gutter
SHOOLLY				
11+03.09 to 18+58.98			1,898.78	
TOTAL	3,507.41	532.97	16,844.60	

RECAPITULATION OF QUANTITIES		
PAVING BID ITEM DESCRIPTION	QUANTITY	UNIT
Lump Sum Bid Items - Paving		
Pavement Removed	12,128	sy
Excavation	31,519	cy
Excavation, Contr Furn'd	206,459	cy
Excavation, Waste	57,294	cy
Fill, Compacted (95% Density)	184,676	cy
AC Pavement 7" (5" Bit. Base)	14,868	sy
AC Pavement 6" (4" Bit. Base)	2,296	sy
Concrete Approach 12", Bridge	445	sy
Concrete Pavement (VG) 8" (Reinf.)	494	sy
Crushed Rock Base 8", Reinforced	16,845	sy
Crushed Rock Base 7", Reinforced	533	sy
Crushed Rock Base 6", Reinforced	3,508	sy
Concrete C & G, Type 1 (6" & 1-1/2")	5,788	lf
Concrete C & G, Type 2 (3-5/8" RL & 1-1/2")	932	lf
Wheelchair Ramp w/ Detectable Warnings	4	ea
Bridge Approach Slab Footing	65	cy
Concrete Safety Barrier	147	lf
Precast Concrete Retaining Wall	8,161	sff
Wall Coping	706	lf
Concrete Masonry Coating	1	LS
Fence, Woven Wire	1,700	lf
Wire Cable Gate	1	ea
Fence, Special	732	lf
Fence, Chain Link, Temporary	1,244	lf
Chain Link Gate	2	ea
MH, Standard SS (4")(non-participating)	1	ea
MH Adjusted w/ New Ring & Cover (non-participating)	4	ea
Valve Box Adjusted (non-participating)	1	ea
Meter Box Adjusted (non-participating)	8	ea
Fire Hydrant Relocation (non-participating)	2	ea
Mailbox Remove and Replace	6	ea
Inlet Removed	4	ea
MH Removed	1	ea
PVC Conduit 2"	2,808	lf
Light Pole Foundation and Base	19	ea
Transport of Salvaged Materials (Non-participating)	1	LS
Lump Sum Bid Items - Drainage		
Stormwater Quality Separator	1	ea
Inlet, Curb (Type 2) (L=6'-4" W=3'-4")	27	ea
Inlet, Curb (Type 2) (L=6'-4" W=7") Front Special	2	ea
Inlet, Curb (Type 2) (L=6'-4" W=7") Back Special	2	ea
Inlet, Curb (Type 2) (L=6'-4" W=9") Back Special	3	ea
Inlet Hook-up	34	ea
Inlet, Grated Driveway, Double	1	ea
Inlet, Drop (Single)	2	ea
Inlet, Drop (Double)	2	ea
Inlet, Drop (Double-Double)	2	ea
MH, Standard SWS (5')	6	ea
MH, Standard SWS (6')	1	ea
Pipe, SWS 15" RCP	1,411	lf
Pipe, SWS 15"	134	lf
Pipe, SWS 18" RCP	1,354	lf
Pipe, SWS 18"	98	lf
Pipe, SWS 24" RCP	55	lf
Pipe, SWS 24"	898	lf
Pipe, SWS 30" RCP	52	lf
Pipe, SWS 30"	905	lf
Pipe, SWS 36"	821	lf
Headwall RC 30"	1	ea
Headwall RC 36"	1	ea
Concrete Gutter	386	lf
Grading, Ditch	2,316	lf
Rip-Rap, Light Stone	42	sy
Lump Sum Bid Items - GRS Abutment		
Abutment Facing	6,108	sf
Concrete, Commercial Grade	35	cy
Reinforcing Steel, Grade 60	12,810	lbs
Structural Steel, Merchant Quality	125,535	lbs
GRS Performance Test	1	ea
Sheet Pile (SCZ 21)	7,283	sf
Lump Sum Bid Items - Bridge		
Excavation, Class III	1,379	cy
Concrete, Grade 4.0 (AE)(SA)	1,194	cy
Concrete, Grade 4.0 (AE)	1,054	cy
Reinforcing Steel, Epoxy Coated, Grade 60	561,480	lbs
Structural Steel, AASHTO M270, Grade 50W T3	973,108	lbs
Structural Steel, AASHTO A709, Grade 50W T3	1,242,772	lbs
Structural Steel, AASHTO A709, Grade 50W	174,811	lbs
Cast Steel Pile Points	92	ea
Falsework Inspection	1	LS
Abutment Strip Drain	268	sy
Bridge Backwall Protection System	294	sy
Welded Stud Shear Connectors, 7/8"	18,270	ea
Bridge Handrail, Special	959	lf
Rip-Rap, Reinforced Concrete	1,429	sy
Bridge Plaque (Non-Participating)	1	ea

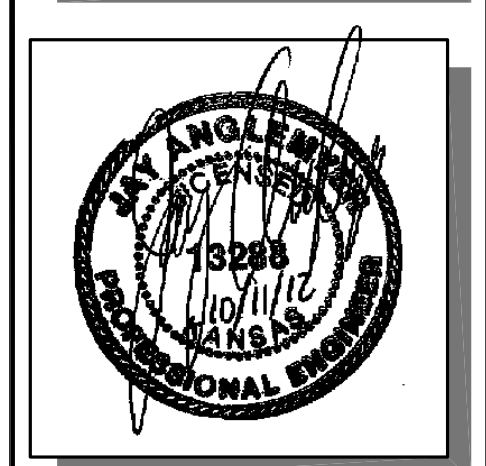
RECAPITULATION OF QUANTITIES		
Lump Sum Bid Items - Miscellaneous	QUANTITY	UNIT
Site Clearing	1	LS
Removal of Existing Structures	1	LS
Site Restoration	1	LS
Field Office & Laboratory (Type A)	1	ea
Mobilization	1	LS
Mobilization (DBE)	1	LS
Contractor Staking	1	LS
Compaction Testing	1	LS
Lump Sum Bid Items - Landscaping		
Seeding	1	LS
Sodding	1	LS
Tree, Prairie Sentinel Hackberry, 2" Cal., B&B	170	ea
Shrub, Fragrant Sumac, 3 Gal.	105	ea
Stone Gabion Column	44	ea
Lump Sum Bid Items - Traffic		
Pavement Markings	1	LS
Signing, Except Street Name Signs	1	LS
Signing, Street Name Signs Only	1	LS
Traffic Control	1	LS
Measured Quantity Bid Items - Paving		
Sidewalk, Drive, &/or Pkg Lot Removed	3,734	sy
Asphalt Driveway 8"	15,909	sf
Aggregate Surfacing, SA-1, 3"	3,725	sf
Aggregate Base, AB-3, 5"	3,725	sf
Concrete Sidewalk 4"	27,506	sf
Sidewalk Thickening	284	lf
Asphalt Hook-up	17	sy
Aggregate Hook-up	80	sy
Asphalt Millings	618	sy
Pipe Removed	746	lf
Fill, Sand (Flushed & Vibrated)	2,872	lf
Temporary Asphalt Pavement (SWS Patch)	454	sy
Temporary Aggregate Surface (SWS Patch)	55	sy
Temporary Aggregate Surface (SS Patch)	75	sy
Measured Quantity Bid Items - Drainage		
Pipe, SWS, PVC 4", Perforated	350	lf
Measured Quantity Bid Items - Bridge		
Steel Piles	7,004	lf
Contractor Furnished PDA	6	ea
Measured Quantity Bid Items - Erosion Control BMP		
BMP, Back of Curb Protection	5,195	lf
BMP, Curb Inlet Protection	34	ea
BMP, Drop Inlet Protection	6	ea
BMP, Silt Fence	6,841	lf
BMP, Ditch Check	16	ea
BMP, Construction Entrance	8	ea
Measured Quantity Bid Items - Landscaping		
Tree Removed, Large	122	ea
Tree Removed, Small	9	ea
Tree Row Removed	716	lf
Measured Quantity Bid Items - Traffic		
Temporary Asphalt Pavement (6" nominal)	2,000	sy
Concrete Safety Barrier, Temporary	420	lf
Signing, Elec. Portable Message (each per day)	300	days

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	87 N-0519-01	2012	116	212

RECAPITULATION OF QUANTITIES		
BID ITEM DESCRIPTION	QUANTITY	UNIT
Measured Quantity Bid Items - Water		
Pipe, WL 8"	373	lf
Pipe, DICL 8"	21	lf
Pipe, WL 8" (Trenchless)	52	lf
Pipe, WL 12"	2,006	lf
Pipe, DICL 12"	24	lf
Valve Assembly, Anchored 8"	2	ea
Valve Assembly, Anchored 12"	2	ea
Valve Assembly, Air Release	1	ea
Valve Assembly, Blowoff	1	ea
Fire Hydrant Assembly	1	ea
Service Connection Replaced	1	ea
Service Line, Short 1"	1	ea
Cut and Cap 8"	1	ea
Cut and Cap 12"	4	ea
Pipe Removed	2167	lf
Temporary Aggregate Surface (WL Patch)	207	sy

FOR UTILITY ADJUSTMENTS SEE PAVING PLAN SHEETS 5 - 20
 FOR STORM SEWER QUANTITIES SEE SHEET NO. 24
 FOR RETAINING WALL QUANTITIES SEE SHEET NO. 69
 FOR EARTHWORK QUANTITIES SEE SHEET NO. 72
 FOR BMP SUMMARY OF QUANTITIES SEE SHEET NO. 120
 FOR SEEDING/SODDING, RIP RAP, CONCRETE GUTTER, AND
 ROADSIDE IMPROVEMENT QUANTITIES SEE SHEET NO. 126
 FOR FENCING QUANTITIES SEE SHEET NO. 128, AND 130
 FOR PAVEMENT MARKING SUMMARY OF QUANTITIES SEE SHT. NO. 137
 FOR SIGNING SUMMARY OF QUANTITIES SEE SHTS. NO. 138 AND 139

MKEC
 ENGINEERING
 CONSULTANTS, INC.
 411 N. WEBB ROAD
 WICHITA, K.S. 67206
 316-684-9600



BROADWAY BRIDGE AT 34TH STREET SOUTH

SUMMARY OF QUANTITIES
SHEET TITLE
472-84830
PROJECT NUMBER

DESIGN BY	JRA
DRAWN BY	TBK
CHECKED BY	JAG

ISSUED	October 9, 2012
REVISED	

PLOTED: Thursday, October 11, 2012 @ 11:01AM

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