

EARTHWORK SUMMARY								
STAGE	ROADWAY	STATION TO STATION		EXCAVATION	FILL	BACKFILL	COMPACTION THRU CUTS	WASTE
				CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.
1	KTA	4571+26.19	4577+47.68	759	178	—	279	537
	Channel	50+45.21	51+22.29	2,958	113	468	—	2,232
	Totals			3,717	291	468	279	2,769
2	KTA	4571+26.19	4577+47.68	—	—	—	153	—
	Channel	49+76.67	50+18.15	3,211	—	701	—	2,335
	Totals			3,211	—	701	153	2,335
3	KTA	4571+26.19	4577+47.68	220	190	—	221	-16
	Channel	48+85.63	49+56.38	1,950	22	237	—	1,626
	Totals			2,170	212	237	221	1,610
TOTAL				9,098	503	1,406	653	6,714

NOTE: The total bid quantity of "Fill, Compacted (95% Density)" is the summation of the total fill, backfill, and compaction thru cuts. (2,562 cy)

RECAPITULATION OF QUANTITIES		
ITEM	QUANTITY	UNIT
LUMP SUM BID ITEMS (751489)		
Mobilization	1	LS
Field Office and Laboratory (Type A)	1	ea
Construction Staking	1	LS
Site Clearing	1	LS
Removal of Existing Structure	1	LS
AC Pavement, Cold Milled (2" Nom.)	492	sy
AC Pavement Removed	7,579	sy
Excavation	9,098	cy
Fill, Compacted (95% Density)	2,562	cy
Fill, Sand (Flushed & Vibrated)	135	lf
AC Surface Course 2" (BM-1) (PG 70-28)	1,780	sy
AC Pavement 2" (BM-2) (PG 64-22)	328	sy
AC Pavement 10" (BM-2) (PG 64-22)	7,579	sy
Crushed Rock Base 8", Reinforced	1,820	sy
Concrete Safety Barrier, Remove and Reset	1,475	lf
Fence, Woven Wire	183	lf
Fence, Corner Post	4	ea
Guardrail, Steel Plate	387	lf
Guardrail End Terminal (SRT) (Alt. 1)	2	ea
Pipe, RCP 24"	92	lf
Pipe, RCP 24" End Section	2	ea
Pipe, RCP 30"	111	lf
Pipe, RCP 30" End Section	2	ea
Automatic Flapgate 24"	2	ea
Automatic Flapgate 30"	2	ea
Headwall RC 24"	2	ea
RFBB (3-16"x12") (Sta. 4574+35)	135	LF
Inlet Ad Justed	2	ea
Signing	1	LS
Seeding	1	LS
Pavement Marking	1	LS
Traffic Control	1	LS
MEASURED QUANTITY BID ITEMS (751489)		
Crushed Rock Base (AB-3)	5,799	sy
Rip-Rap, Light Stone	192	sy
MEASURED QUANTITY BID ITEMS, BMP's (751489)		
BMP, Silt Fence	1,000	lf
BMP, Construction Entrance	1	ea

AC PAVEMENT REMOVED						
ROADWAY	STATION TO STATION	SIDE	WIDTH	QUANTITY	REMARKS	
				(S.Y.)		
KTA	4573+36.83	4575+18.02	Rt.	44'-0"	889.2	ML Pavement Replacement
KTA	4573+52.00	4575+34.90	Lt.	44'-0"	890.7	ML Pavement Replacement
KTA	4567+00.00	4581+75.00	℄	20'-0"	3,277.8	Median Build-Up
KTA	4567+00.00	4573+36.83	Rt.	10'-0"	707.6	Shoulder Build-Up
KTA	4575+18.02	4579+25.00	Rt.	10'-0"	452.2	Shoulder Build-Up
KTA	4569+50.00	4581+75.00	Lt.	10'-0"	1,361.1	Shoulder Build-Up
TOTALS					7,578.6	

PAVEMENT MILLING (2" NOM.)						
ROADWAY	STATION TO STATION	SIDE	WIDTH	QUANTITY	REMARKS	
				(S.Y.)		
KTA	4567+00.00	4581+75.00	℄	3'-0"	491.7	Concrete Safety Barrier Shear Key
TOTALS					491.7	

10" A.C. PAVEMENT (BM-2, PG 64-22)						
ROADWAY	STATION TO STATION	SIDE	QUANTITY	8" RCRB QUANTITY	6" CRB (AB-3) QUANTITY	REMARKS
			(S.Y.)	(S.Y.)	(S.Y.)	
KTA	4573+36.83	4575+18.02	Rt.	889.2	909.5	ML Pavement Replacement
KTA	4573+52.00	4575+34.90	Lt.	890.7	910.9	ML Pavement Replacement
KTA	4567+00.00	4581+75.00	Rt.	1,638.9	---	Median Build-Up
KTA	4567+00.00	4581+75.00	Lt.	1,638.9	---	Median Build-Up
KTA	4567+00.00	4573+36.83	Rt.	707.6	---	Shoulder Build-Up
KTA	4575+18.02	4579+25.00	Rt.	452.2	---	Shoulder Build-Up
KTA	4569+50.00	4581+75.00	Lt.	1,361.1	---	Shoulder Build-Up
TOTALS				7,578.6	1,820.4	5,798.7

2" A.C. SURFACE COURSE (BM-1, PG 70-28)					
ROADWAY	STATION TO STATION	SIDE	QUANTITY	REMARKS	
			(S.Y.)		
KTA	4573+36.83	4575+18.02	Rt.	889.2	ML Pavement Surface Course
KTA	4573+52.00	4575+34.90	Lt.	890.7	ML Pavement Surface Course
TOTALS				1,779.9	

2" A.C. PAVEMENT (BM-2, PG 64-22)					
ROADWAY	STATION TO STATION	SIDE	QUANTITY	REMARKS	
			(S.Y.)		
KTA	4567+00.00	4581+75.00	Rt.	163.9	Median Barrier Shear Key
KTA	4567+00.00	4581+75.00	Lt.	163.9	Median Barrier Shear Key
TOTALS				327.8	

STEEL PLATE GUARDRAIL					
STATION TO STATION	SIDE	FLARE RATE	LENGTH (FT)	END TERMINAL SRT (Each) (Alt. 1)	
4572+26.13	4574+56.11	Rt.	15:1	193.75	1
4574+13.00	4576+47.70	Lt.	15:1	193.75	1
TOTAL				387	2

FENCING							
CORNER POST		WOVEN WIRE FENCE (From and To)					
Station	Offset	Station	Offset	Station	Offset	L.F.	
4573+23.61	148.89' Rt.	4573+23.61	148.89' Rt.	4573+58.95	85.92' Rt.	72.6	
4574+12.15	113.37' Lt.	4574+12.15	113.37' Lt.	4574+15.36	88.27' Lt.	25.3	
4575+28.78	98.59' Lt.	4575+10.55	88.08' Lt.	4575+28.78	98.59' Lt.	20.8	
4574+58.74	148.52' Rt.	4574+58.74	148.52' Rt.	4574+49.74	85.17' Rt.	64.0	
Total = 4		Total = 182.7					

REMOVAL OF EXISTING STRUCTURES (FOR INFORMATION ONLY)				
ROADWAY	STATION	SIDE	ITEM	
KTA	4574+29.84	Lt.	Headwall	
KTA	4574+29.84	Lt.	80' - 30" CMP	
KTA	4574+91.63	Lt.	Headwall	
KTA	4574+91.63	Lt.	63' - 30" CMP	
KTA	4573+75.70	Rt.	Headwall	
KTA	4573+75.70	Rt.	56' - 24" CMP	
KTA	4574+30.53	Rt.	Headwall	
KTA	4574+30.53	Rt.	82' - 24" CMP	
KTA	4572+25 - 4574+60	Rt.	195' Steel Plate Guardrail	
KTA	4574+15 - 4576+10	Lt.	195' Steel Plate Guardrail	
KTA	4574+35	℄	Removal of Existing RCB	
KTA	4573+55	Rt.	96-LF Woven Wire Fence	
KTA	4574+10	Lt.	48-LF Woven Wire Fence	
KTA	4574+50	Rt.	82-LF Woven Wire Fence	
KTA	4575+00	Lt.	47-LF Woven Wire Fence	

No.	Revision	By	Date
KTA AT BIG SLOUGH			
SUMMARY OF QUANTITIES			
JAMES L. ARMOUR, P.E. - CITY ENGINEER CITY OF WICHITA PROJECT NO. 468-84636			
Professional Engineering Consultants, P.A. 303 S. TOPEKA • WICHITA, KANSAS 67202 316-262-2691 • FAX 316-262-3003			
Designed by	R.J.M.	Job No.	10291
Drawn by	R.J.M.	Date	August, 2011
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