

KANSAS	STATE	87 N-0239-01	PROJECT NO.	2004	YEAR	21	SHEET NO.	47	TOTAL SHEETS
--------	-------	--------------	-------------	------	------	----	-----------	----	--------------

RECAPITULATION OF ROAD QUANTITIES

ITEM	QUANTITY	UNITS
Clearing and Site Preparation	Lump Sum	L.S.
Mobilization	Lump Sum	L.S.
Mobilization (DBE)	Lump Sum	L.S.
Construction Field Office and Lab (Type A)	1	Each
Site Restoration	Lump Sum	L.S.
Erosion Control (BMP)	Lump Sum	L.S.
Traffic Control	Lump Sum	L.S.
Pavement Marking	Lump Sum	L.S.
Street Signage	Lump Sum	L.S.
Pavement Removal	850	Sq. Yds.
Excavation	1,183	Cu. Yds.
Compacted Fill	296	Cu. Yds.
Crushed Stone Subgrade (8")	1,750	Sq. Yds.
Geogrid Reinforcement (for base)	1,750	Sq. Yds.
Loose Fill	5,148	Cu. Yds.
2" A.C. Pavement BM-2 (PG 70-28)	4,905	Sq. Yds.
5" A.C. Pavement BM-2 (PG 70-28)	1,641	Sq. Yds.
Temporary Project Seeding	Lump Sum	L.S.
Removal of Existing Structures	Lump Sum	L.S.
Removal of Steel Plate Guard Fence	472	Ln. Ft.
Steel Plate Guard Fence	175	Ln. Ft.
Guard Fence End Terminal	2	Each
Seeding	Lump Sum	L.S.
Concrete Class AAA (AE)	42.3	Cu. Yds.
Concrete Class AAA (AE)	7.6	Cu. Yds.
Reinforcing Steel (Gr. 60)	3,680	Lbs.
Reinforcing Steel (Gr. 60) (Epoxy Coated)	980	Lbs.
Granular Backfill (Wingwalls)	5	Cu. Yds.
Foundation Stabilization	5	Cu. Yds.
Rip Rap (Heavy Stone)	196.2	Sq. Yds.

PAVEMENT MARKING
(FOR INFORMATION ONLY)

12" Solid Yellow Diagonal Line	94	Ln. Ft.
4" Solid White Edge Line	1,732	Ln. Ft.
6" Solid White Lane Line	261	Ln. Ft.
4" Solid Yellow "Double" Line	1,375	Ln. Ft.
"LEFT" Turn Arrow	2	Each
"RIGHT" Turn Arrow	2	Each
"ONLY" Marking	2	Each

KANSAS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES

SEEDING
(FOR INFORMATION ONLY)

STATION - STATION	ACRES	REMARKS
594+88.15 to 603+36.66	1.1	

STEEL PLATE GUARD FENCE

STATION - STATION	SIDE	LENGTH (ft.)	REMARKS
602+76.76 to 603+44.96	LT.	68.81	
602+22.57 to 603+28.15	RT.	105.68	
TOTAL		174.49	

GUARD FENCE END TERMINAL

STATION	SIDE	EACH	REMARKS
602+50.94	LT.	1	SRT END TERMINAL
601+96.75	RT.	1	SRT END TERMINAL
TOTAL		2	

EARTHWORK

LOCATION	EXCAVATION	LOOSE FILL	COMPACTED FILL	WASTE	Cu. Yds.	V.M.F.	Cu. Yds.	Cu. Yds.
STATION TO STATION					1,183		5,148	296
594+88.15 to 603+36.66					1,183	0.8	5,148	296
TOTAL					1,183		5,148	296

REMOVAL OF STEEL PLATE GUARD FENCE *

STATION - STATION	SIDE	LENGTH (ft.)	REMARKS
602+81.19 to 603+45.08	LT.	64	TYLER ROAD
602+01.55 to 603+28.03	RT.	127	TYLER ROAD
3+74.63 to 4+66.66	LT.	141	YOSEMITE
3+76.39 to 4+69.72	RT.	140	YOSEMITE
TOTAL		472	

* Guard fence posts shall be dug out or pulled. Backfill of the holes from the removed posts shall be placed in thin layers and thoroughly compacted. The top of the backfill shall be of the same material that is used in the construction of the shoulders and the thickness shall be at least equal to the thickness of the shoulder at that point. Post removal and backfilling shall be considered subsidiary to "Removal of Steel Plate Guard Fence."

REMOVAL OF EXISTING STRUCTURES
(FOR INFORMATION ONLY)

STATION - STATION	SIDE	REMARKS
603+44.96 to 603+51.21	LT.	EXIST. CONCRETE BRIDGE RAIL
603+28.15 to 603+34.40	RT.	EXIST. CONCRETE BRIDGE RAIL
4+32.2, CL YOSEMITE	LT.	REMOVE WINGWALL AS NECESSARY, SUBSIDIARY
4+32.2, CL YOSEMITE	RT.	

2" AC PAVEMENT BM-2 (PG 70-28)

STATION TO STATION	LENGTH (FT.)	WIDTH (FT.)	AREA (SQ. YDS.)	SIDE
594+88.15 to 603+36.66	848.51	Varies	2,528.8	RT.
594+88.15 to 603+36.66	848.51	Varies	2,376.6	LT.
TOTAL			4,905.4	

5" AC PAVEMENT (BITUMINOUS BASE) BM-2 (PG 70-28)

STATION TO STATION	LENGTH (FT.)	WIDTH (FT.)	AREA (SQ. YDS.)	SIDE
594+88.15 to 602+49.95	761.80	Varies	1,287.7	RT.
600+84.35 to 602+85.23	200.88	Varies	172.2	LT.
TOTAL			1,640.8	

PAVEMENT REMOVAL

STATION TO STATION	LENGTH (FT.)	WIDTH (FT.)	AREA (SQ. YDS.)	SIDE
594+88.15 to 602+49.95	761.80	Varies	677.8	RT.
600+84.35 to 602+85.23	200.88	Varies	172.2	LT.
TOTAL			850.0	

2" MILLING

STATION TO STATION	LENGTH (FT.)	WIDTH (FT.)	AREA (SQ. YDS.)	SIDE
594+88.15 to 603+36.66	848.51	Varies	1,243.4	RT.
594+88.15 to 603+36.66	848.51	Varies	2,023.0	LT.
TOTAL			3,266.4	

REINFORCED CRUSHED ROCK BASE

STATION TO STATION	LENGTH (FT.)	WIDTH (FT.)	8" CRUSHED ROCK BASE REINFORCEMENT (SQ. YDS.)	GEGRID REINFORCEMENT (SQ. YDS.)	SIDE
594+88.15 to 602+49.95	761.80	Varies	1,367.9	1,367.9	RT.
600+36.47 to 602+85.23	248.76	Varies	382.5	382.5	LT.
TOTAL			1,750.4	1,750.4	