

DATE
BY
REFERENCE NOTED
REFERENCE CHECKED

RECAPITULATION OF ROAD QUANTITIES		
ITEM	QUANTITY	UNIT
CONTRACTOR CONSTRUCTION STAKING	1	LS
TRAFFIC CONTROL	1	LS
PAVEMENT MARKING	1	LS
MOBILIZATION	1	LS
WATER POLLUTION CONTROL (INCLUDING TEMP. SEEDING)	1	LS
REMOVAL OF EXISTING STRUCTURES	1	LS
CLEARING AND GRUBBING	1	LS
EXCAVATION (COMMON)	2 511	cu m
EXCAVATION (COMMON) (CONTRACTOR FURNISHED)	90	cu m
ROCK EXCAVATION (REMOVAL OF EXISTING PAVEMENT)	1 224	cu m
COMPACTION OF EARTHWORK (TYPE AA)(MR-0-5)	1 705	cu m
INLET (TYPE 10), CURB	4	each
INLET (TYPE I), CURB	6	each
MANHOLE (TYPE P-STANDARD)	7	each
CONCRETE HEADWALL	1	each
CURB AND GUTTER, COMBINED (AE)(TYPE I)	574.3	m
CURB AND GUTTER, COMBINED (AE)(TYPE I)(MODIFIED)	93.5	m
CURB AND GUTTER, COMBINED (AE)(TYPE III)	204.1	m
375 mm STORM SEWER (RCP)	5.2	m
450 mm STORM SEWER (RCP)	29.1	m
600 mm STORM SEWER (RCP)	97.9	m
900 mm STORM SEWER (RCP)	64.8	m
1050 mm STORM SEWER (RCP)	89.5	m
1200 mm STORM SEWER (RCP)	68.3	m
CONCRETE PAVEMENT (240 mm)(UNIFORM)(AE)(NRDJ)	5754.2	sq m
SIDEWALK CONSTRUCTION (100 mm)(AE)	144.0	sq m
BIKE PATH CONSTRUCTION (100 mm)(AE)	367.2	sq m
PLANT MIX BITUMINOUS MIXTURE	104.5	Mg
AGGREGATE BASE, SPECIAL	6 669.1	sq m
EXCAVATABLE FLOWABLE FILL	622.0	m
PAVING BRICK (80 mm)	325.4	cu m

RECAPITULATION OF ROAD QUANTITIES		
ITEM	QUANTITY	UNIT
WATER DISTRIBUTION SYSTEM		
100 mm ANCHOR VALVE ASSEMBLY	1	each
200 mm ANCHOR VALVE ASSEMBLY	4	each
300 mm ANCHOR VALVE ASSEMBLY	1	each
400 mm ANCHOR VALVE ASSEMBLY		
50 mm BLOWOFF ASSEMBLY	1	each
300 mm ANCHOR VALVE ASSEMBLY SPECIAL	1	each
400 mm ANCHOR VALVE ASSEMBLY SPECIAL	1	each
CASING, BORED AND JACKED (900 mm, MIN.), STEEL	-	m
150 mm CIMJ PLUG	-	each
75 mm CIMJ PLUG	-	each
200 mm CIMJ PLUG	1	each
300 mm CIMJ PLUG	1	each
500 mm CIMJ PLUG	-	each
FIRE HYDRANT ASSEMBLY	2	each
100 mm PIPE (DI CL SJ)	5.0	m
200 mm PIPE (DI CL SJ)	252.8	m
300 mm PIPE (DI CL SJ)	101.2	m
400 mm PIPE (DI CL SJ)	267.2	m
500 mm PIPE (DI CL SJ)	-	m
600 mm PIPE (DI CL SJ)	-	m
25 mm LONG SERVICE	-	each

CONCRETE PAVEMENT - GEOGRID REINFORCED BASE - BITUMINOUS PAVEMENT					
LOCATION	STATION TO STATION	240 mm PC Concrete Pavement (UNIFORM)(AE) (NRDJ)	50 mm Asphaltic Concrete Surface Course	175 mm Bituminous Base	250 mm Geogrid Reinforced Aggregate Base
		sq m	sq m	sq m	sq m
N. FRONTAGE RD.	3+353.731 - 3+472.957	1 324.90	-	-	1 534.9
N. ARMOUR RD.	49+745 - 49+974.011	4 037.03	200.0	200.0	4 658.5
ACCESS ROAD	4+944.229 - 5+000	392.23	-	-	475.7
TOTALS		5 754.16	200.0	200.0	6 669.1

CONCRETE CURB AND GUTTER					
LOCATION	STATION TO STATION	SIDE	LENGTH - m		
			TYPE I	TYPE I MODIFIED	TYPE III
NORTH FRONTAGE ROAD	3+353.731 - 3+472.957	LT. & RT.	107.0	93.5	-
NORTH ARMOUR ROAD	49+745 - 49+974.011	LT. & RT.	387.75	-	204.14
ARMOUR ACCESS ROAD	4+944.229 - 5+000	LT. & RT.	79.50	-	-
TOTALS			574.3	93.5	204.14

NOTE: THE MILLING & RESURFACING OF EXISTING ARMOUR AT THE SOUTH END OF THE PROJECT IS INCIDENTAL TO TRAFFIC CONTROL.

EARTHWORK SUMMARY															
LOCATION	STATION TO STATION	EXCAVATION						COMPACTION			PLACING SELECT SOIL	WASTE			
		COMMON		ROCK (PVMT. REMOVAL)		ROCK (WELLINGTON FORMATION)		CONTRACTOR FURNISHED		TYPE AA MR-0-5	TYPE B MR-90	TYPE	m³	* COMMON	ROCK
		m³	VMF	m³	VMF	m³	VMF	m³	VMF	m³	m³	m³		m³	m³
NORTH FRONTAGE ROAD	STA. 3+353.731 - STA. 3+472.957	793	0.80	918	1.000	-	1.10	-	0.80	265	-			461	918
NORTH ARMOUR ROAD	STA. 49+745 - STA. 49+974.011	1 677	0.80	306	1.000	-	1.10	90	0.80	1 414	-			-	306
ARMOUR ACCESS ROAD	STA. 4+944.229 - STA. 5+000	41	0.80	-	1.000	-	1.10	-	0.80	26	-			9	-
TOTAL		2 511		1 224		-		90		1 705	-			470	1 224

* The material to be wasted may be used on the project, if acceptable to the Engineer.

See Sheet No. 34 For Recapitulation Of Temporary Project Water Pollution Control (soil Erosion) Quantities

SIDEWALK / BIKE PATH CONSTRUCTION (100 mm) (AE)					
LOCATION	STATION TO STATION	TYPE	SIDE	WIDTH	AREA
				m	sq m
NORTH FRONTAGE ROAD	3+353.731 - 3+472.957	SIDEWALK	NORTH	1.525	144.0
NORTH ARMOUR ROAD	49+745 - 49+974.011	BIKE PATH	WEST	3.0	367.2
TOTAL					511.2

PAVING BRICK - SOLID INTERLOCKING (80 mm)					
LOCATION	STATION TO STATION	PAVEMENT AREA cu m	FOR INFORMATION ONLY		
			SANDBED cu m	CLASS A CONC. cu m	AGGREGATE BASE - AB1 AB-1 cu m
NORTH ARMOUR/N. FRONTAGE RD.	CROSSWALKS	100.22	1.60	-	-
NORTH ARMOUR RD.	MEDIAN	225.13	3.60	22.51	-
TOTAL		325.35	5.20	22.51	-

NOTE: QUANTITIES SHOWN ARE FOR INFORMATION ONLY. THE CONTRACT WILL BE BASED ON A LUMP SUM BID AS NOTED IN THE PROJECT SPECIAL PROVISIONS.

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NO.	DATE	REVISIONS	BY	APP'D	

KANSAS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES