

**PIPE CULVERT & END SECTIONS**

LOCATION	PIPE CULVERT	PIPE CULVERT	END SECTIONS	END SECTIONS
	CLASS A, TYPE 1,	CLASS A, TYPE 1	CAST IN PLACE	PRECAST FLARED
	30"	EQUIV. RND - 18"	REINFORCED CONC. 30"	EQUIV. RND. - 18"
	FOOT	FOOT	EACH	EACH
STA. 430+41.42	88.0		2.0	
OLD SPUR EAST CONNECTOR		160.0		4.0
TOTAL	88.0	160.0	2.0	4.0

**TRENCH BACKFILL (SPECIAL)**

LOCATION	QUANTITY
	CU YD
STA. 430+41.42	75.6
OLD SPUR EAST CONNECTOR	3.0
TOTAL	78.6

**CONCRETE HEADWALL REMOVAL**

LOCATION	QUANTITY
	EACH
STA. 430+41.42	2.0
TOTAL	2.0

**PIPE CULVERT REMOVAL**

LOCATION	DIAMETER	LENGTH
	INCHES	FOOT
STA. 430+41.42	30.0	88.0
OLD SPUR EAST CONNECTOR	18.0	30.0
TOTAL		118.0

**HMA SURFACE REMOVAL  
BUTT JOINT**

LOCATION	QUANTITY
	SQ YD
STA. 140+47.14 TO 140+92.14	80.0
STA. 318+07.51 TO 318+52.51	80.0
STA. 318+75.17 TO 319+20.17	80.0
STA. 614+30.00 TO 614+75.00	80.0
CONNABLE RD ( N & S )	44.7
ENTRANCES & SIDEROADS	2606.7
TOTAL	2971.4

**HMA BASE COURSE  
WIDENING, 11"**

LOCATION	QUANTITY
	SQ YD
OLD SPUR EAST CONNECTOR	154.5
TOTAL	154.5

**CLASS C PATCHES**

LOCATION	CLASS C PATCHES
	SQ YD
STA. 430+41.00 TY. III	16.2
OLD SPUR EAST CONNECTOR, TY. IV	38.0
TOTAL	54.2

**EARTH EXCAVATION**

**WIDENING**

LOCATION	QUANTITY
	CU YD
OLD SPUR EAST CONNECTOR	32.0
TOTAL	32.0

**ESTIMATED QUANTITIES**

LOCATION	GRADING AND SHAPING DITCHES
	FOOT
OLD SPUR EAST CONNECTOR TO CONCRETE PIPES AT STA. 605+00	500.0

**STONE DUMPED RIRRAP, CLASS A4**

LOCATION	QUANTITY
	SQ YD
STA 448+04.75 LT & RT	240.0
TOTAL	240.0

**PORTLAND CEMENT CONCRETE SURFACE REMOVAL-BUTT JOINT**

LOCATION	QUANTITY
	SQ YD
STA 341+11.44 LT CE / URBAN	50.0
TOTAL	50.0

**GRADING & SHAPING SHOULDERS**

LOCATION	QUANTITY
	UNITS
STA. 140+47 TO 318+52.51 LT & RT	356.0
STA. 318+75.17 TO 610+79.53 LT & RT	584.0
STA. 609+91.98 TO 614+75 LT & RT	10.0
TOTAL	950.0