

SUMMARY OF QUANTITIES			
CODE	ITEM	UNIT	TOTAL QUANTITY
20200100	EARTH EXCAVATION	CU YD	4,685
30200350	PROCESSING MODIFIED SOIL 8"	SQ YD	14,331
30201500	LIME	TON	191
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	21
40300100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	3,837
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	120
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	1,210
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	1,016
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	51
44000100	PAVEMENT REMOVAL	SQ YD	22
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	11,946
67100100	MOBILIZATION	L SUM	1
70101835	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 22	L SUM	1
XX000125	AGGREGATE BASE COURSE, TYPE B, SPECIAL	TON	6,000
<del>XX000125</del>	AGGREGATE SHOULDERS (SPECIAL) 3 1/4"	SQ YD	4,770

**GENERAL NOTES**

- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE ANY SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS, ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE BUT THE LOCATIONS ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.
- THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

LOCATIONS:	CH 19	CH 19
MIXTURE USES:	BINDER COURSE	SURFACE COURSE
AC/PG:	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N <sub>des</sub> = 50	4.0% @ N <sub>des</sub> = 50
MIX COMPOSITION: (GRADATION MIXTURE)	IL - 19.0	IL - 9.5
FRICTION AGGREGATE:	N/A	MIX "C"

**APPLICATION RATES USED IN QUANTITY CALCULATIONS**

Granular Materials ----- 2.05 Tons/Cu. Yd.  
 Bituminous Materials (Prime Coat) ----- 0.30 Gallon/Sq.Yd. (Agg. Bases)  
 Bituminous Concrete ----- 112\*/Sq.Yd./Inch

EARTH EXCAVATION			
LOCATION	END AREA	QTY	
	SQ FT	CU YD	
STA 0+12 TO STA 53+66	23.6	4,685	

PAVEMENT REMOVAL *			
LOCATION	WIDTH	QTY	
	FOOT	SQ YD	
STA 51+51 TO STA 51+61	20	22	

\* ITEM CONSISTS OF REMOVAL OF EXISTING CONCRETE PATCH OVER PIPE CULVERT AT STA 51+56. EXCAVATION TO BE BACKFILLED WITH EMBANKMENT PRIOR TO SOIL MODIFICATION. (BACKFILL INCLUDED IN THE COST FOR EARTH EXCAVATION)

HOT-MIX ASPHALT SURFACE REMOVAL, 3"			
LOCATION	WIDTH	QTY	
	FOOT	SQ YD	
STA 0+12 TO STA 53+66	20	11,946	

PROCESSING MODIFIED SOIL 8"			
LOCATION	WIDTH	QTY	
	FOOT	SQ YD	
STA 0+12 TO STA 53+66	24	14,331	

AGGREGATE BASE COURSE, TYPE B (SPECIAL)*			
LOCATION	WIDTH	QTY	
	FOOT	TON	
STA 0+12 TO STA 53+66	22	5,985	

\* SEE SPECIAL PROVISION "AGGREGATE BASE COURSE TYPE B (SPECIAL)"

BITUMINOUS MATERIALS (PRIME COAT)			
LOCATION	WIDTH	QTY	
	FOOT	GALLON	
STA 0+12 TO STA 53+66	21	3,763	

HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50			
LOCATION	WIDTH	QTY	
	FOOT	TON	
STA 0+12 TO STA 53+66	20.67	1,210	

HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50			
LOCATION	WIDTH	QTY	
	FOOT	TON	
STA 0+12 TO STA 53+66	20.25	1,016	

AGGREGATE SHOULDERS (SPECIAL) 3 1/4"			
LOCATION	WIDTH	QTY	
	FOOT	SQ YD	
LT STA 0+12 TO STA 53+66	4	2,385	
RT STA 0+12 TO STA 53+66	4	2,385	
TOTAL		4,770	

**ENTRANCES, SIDE ROADS, MAIL BOX TURNOUTS**

LOCATION	TYPE	WIDTH	AGG	AGG	BIT	HMA	INCIDENTAL
		FOOT	BASE	SURF	MATLS	SURFACE	INCIDENTAL
			COURSE	COURSE	PRIME	REMOVAL -	HMA SURF
			(SPECIAL)		COAT	BUTT JOINT	
			TON	TON	GALLON	SQ YD	TON
LT STA 13+03	AGG FE	16		3			
RT STA 13+03	AGG FE	16		3			
RT STA 38+75	EARTH FE	16		3			
LT STA 38+75	EARTH FE	16		3			
LT STA 39+62	EARTH FE	16		3			
LT STA 40+85	AGG MB		5		5		3
RT STA 39+69	O&C SIDE ROAD	18			9	60	6
RT STA 40+62	AGG PE	12			7		5
RT STA 42+01	AGG PE	12			7		5
RT STA 43+78	AGG PE	12			7		5
RT STA 45+17	AGG PE	20			10		7
LT STA 45+30	AGG MB		5		3		3
RT STA 45+98	EARTH FE	16		3			
RT STA 47+89	EARTH FE	16		3			
LT STA 48+87	AGG MB		5		3		3
RT STA 49+26	AGG PE	10			7		4
RT STA 49+75	AGG PE	10			7		4
LT STA 53+00	O&C SIDE ROAD	18			9	60	6
TOTAL			15	21	74	120	51