

SUMMARY OF QUANTITIES

ITEM #	CODE #	ITEM	UNIT	QUANTITY
* 1	X4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	TON	2700.00
* 2	X4066765	LEVELING BINDER (MACHINE METHOD), SUPERPAVE N50	TON	2700.00
* 3	20200500	EARTH EXCAVATION (WIDENING)	CU YD	65.00
4	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1750.00
5	40600300	AGGREGATE (PRIME COAT)	TON	70.00
* 6	40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ YD	448.00
* 7	40800040	INCIDENTAL BITUMINOUS SURFACING	TON	168.00
* 8	48101200	AGGREGATE SHOULDERS, TYPE B	TON	2700.00
* 9	48202700	BITUMINOUS SHOULDERS Superpave, 9"	SQ YD	374.00
10	66700205	PERMANENT SURVEY MARKER, TYPE 1	EACH	4.00
*11	70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.00
12	70300100	SHORT-TERM PAVEMENT MARKING	FOOT	2510.00
13	70300200	TEMPORARY PAVEMENT MARKING	FOOT	5789.00
*14	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	418.00
15	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	5789.00

* SEE SPECIAL PROVISIONS

GENERAL NOTES

THE THICKNESS OF BITUMINOUS MIXTURES SHOWN ON THE TYPICAL X-SECTION IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE.

THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS BITUMINOUS LIFTS.

FOR ALL PAVEMENT MARKINGS ON FINAL SURFACES (I.E., MAINLINE PAVEMENT), ONLY TEMPORARY PAVEMENT MARKING TAPE SHALL BE USED.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB-NUMBER LISTED IN THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS/CU YD
BITUMINOUS MATERIALS PRIME COAT	0.05	GAL/SQ YD OR 0.35 GAL/SQ YD
AGGREGATE PRIME COAT	0.002	TONS/SQ YD
BITUMINOUS CONCRETE SURFACE COURSE	112	LBS/SQ YD/INCH
BITUMINOUS CONCRETE BINDER COURSE	112	LBS/SQ YD/INCH
LEVELING BINDER (MACHINE METHOD)	112	LBS/SQ YD/INCH
SHORT TERM PAVEMENT MARKING	4	FT/40 FT OF APPLICATION
PAINT PAVEMENT MARKING - LINE 4"	10	FT/40 FT OF APPLICATION

SECTION NOTES

THE PROPOSED IMPROVEMENT CONSISTS OF A BITUMINOUS SURFACE COURSE INCLUDING LEVELING BINDER, SHOULDER STONE AND ALL WORK NECESSARY TO COMPLETE THE PROJECT ACCORDING TO THE PLANS AND SPECIFICATION.

THIS HIGHWAY WAS CONSTRUCTED UNDER SECTIONS 233-G AND 76-00233-01-SC

PERMANENT SURVEY MARKERS

STATION		
*482+74.24	535+78.12	562+30.08
588+86.98		

* STATIONING OF TR 302A

DESIGN DATA

FLEXIBLE PAVEMENT DESIGN FOR
CLASS III LOCAL ROAD (FAPLHI 5-8-110)

DESIGN PERIOD D. P. = 20 YEARS

DESIGN YEAR = 2025 PV=88% SU=7% MU=5%

DESIGN ADT = 567 IBR = 4.0 TRAFFIC FACTOR = 0.087

D_t = 2.7

MIXTURE TABLE

	SURFACE	LEVEL BINDER
PG GRADE	PG64-22	PG64-22
MAX % RAP ALLOWABLE**	15	15
DESIGN AIR VOIDS	4.0%	4.0%
MIXTURE COMPOSITION	IL-9.5	IL-9.5
FRICTION AGGREGATE	MIXTURE C	

** IF RAP OPTION IS SELECTED, THE ASPHALT CEMENT GRADE MAY NEED TO BE ADJUSTED. THIS WILL BE DETERMINED BY THE ENGINEER.

PAVEMENT MARKINGS & NO PASSING ZONES

STATION TO STATION	FOOT	LINE 4"
CENTERLINE		
477+00 TO 479+90	290	73
487+68 TO 602+45	11,477	2,870
NO PASSING ZONES		
477+00 TO 487+68 RT	1,068	1,068
479+90 TO 497+68 LT	1,778	1,778
TOTALS		5,789

EARTH EXCAVATION (WIDENING)

STATION TO STATION	SIDE	CU YD
479+40 TO 488+20	LT	50
562+30.08 Radius	RT	5
602+03.26 Radii	LT	10
TOTALS		65