

SUMMARY OF QUANTITIES

PAY ITEM	ITEM	UNIT	QUANTITY
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2560
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	3343
40600982	HOT - MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	775
40603315	HOT- MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	3671
44000154	HOT - MIX ASPHALT SURFACE REMOVAL, 1 1/4"	SQ YD	2323
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1032
67100100	MOBILIZATION	L SUM	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	3682
70300200	TEMPORARY PAVEMENT MARKING	FOOT	45,458
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	122
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	92
* 78001110	PAINT PAVEMENT MARKING LINE 4"	FOOT	45,458
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1

* SPECIALTY ITEMS

PAINT PAVEMENT MARKING SCHEDULE

LOCATION	LIMITS	LENGTH
<u>NO PASSING ZONES</u>		
RIGHT	STA 3+70 TO 7+88	418 FT
LEFT	STA 8+00 TO STA 12+50	450 FT
RIGHT	STA 98+25 TO STA 104+75	650 FT
LEFT	STA 95+00 TO STA 114+54	1954 FT
RIGHT	STA 161+00 TO STA 167+50	650 FT
LEFT	STA 169+00 TO STA 176+50	750 FT
TOTAL NO PASSING ZONES		4872 FT
<u>SKIP DASH</u>		
	STA 0+36.82 TO STA STA 98+25 = 9788 FT	
	STA 104+75 TO STA STA 144+28.28 = 3953 FT	
	STA 144+54.90 TO STA STA 183+34 = 3879 FT	
	17,620 FT @ 25%	4405 FT
TOTAL YELLOW LINE		9277 FT
<u>EDGE LINE</u>		
LT & RT	STA 0+36.82 TO STA 183+34 (EQ 144+28.28 BK = 144+54.90 AH) (INCLUDES 60 FT GAP AT EACH OF 6 SIDEROADS = -360)	36,181 FT
TOTAL PAINT PAVEMENT MARKING LINE 4"		45,458 FT

SUPER ELEVATION DATA

CURVE 2	PC 11+95.63 PT 18+27.7 SE = 0.05 FT/FT = 0.60 FT/LANE	TRANS. 10+79 TO 12+54	LEFT IN STA 10+21 CROWN -0.0156 STA 10+79 0.0 STA 11+37 0.0167 STA 11+96 0.033 STA 12+54 0.05	RIGHT IN STA 10+21 CROWN -0.0156 STA 10+79 -0.0156 STA 11+37 -0.0167 STA 11+96 -0.033 STA 12+54 -0.05
		TRANS 17+69 TO 20+03	LEFT OUT STA 17+69 0.05 STA 18+27.7 0.033 STA 18+86 0.0167 STA 19+44 0.0 STA 20+03 CROWN -0.156	RIGHT OUT STA 17+69 -0.05 STA 18+27.7 -0.033 STA 18+86 -0.0167 STA 19+44 -0.0156 STA 20+03 CROWN -0.156
CURVE 3	PC 91+23.74 PT 96+85.18 SE = 0.08 FT/FT = 0.96 FT/LANE	TRANS. 89+07 TO 91+95	LEFT IN STA 89+07 CROWN -0.0156 STA 89+79 0.0 STA 90+51 0.0267 STA 91+23.74 0.053 STA 91+95 0.08	RIGHT IN STA 89+07 CROWN -0.0156 STA 89+79 -0.0156 STA 90+51 -0.0267 STA 91+23.74 -0.053 STA 91+95 -0.08
		TRANS 96+13 TO 99+00	LEFT OUT STA 96+13 0.08 STA 96+85.18 0.053 STA 97+57 0.0267 STA 98+29 0.0 STA 99+00 CROWN -0.156	RIGHT OUT STA 96+13 -0.08 STA 96+85.18 -0.053 STA 97+57 -0.0267 STA 98+29 -0.0156 STA 99+00 CROWN -0.156
CURVE 4	PC 124+59.85 PT 144+28.28 SE = 0.023 FT/FT = 0.276 FT/LANE	TRANS. 122+86 TO 125+19	LEFT IN STA 122+85 CROWN -0.0156 STA 123+44 -0.0156 STA 124+02 -0.0156 STA 124+60 -0.0156 STA 125+19 -0.023	RIGHT IN STA 122+85 CROWN 0.0156 STA 123+44 0.0 STA 124+02 0.008 STA 124+60 0.0156 STA 125+19 0.023
		TRANS 143+68 TO 146+30	LEFT OUT STA 143+70 -0.023 STA 144+28 -0.0156 STA 145+13 -0.0156 STA 145+71 -0.0156 STA 146+30 CROWN -0.156	RIGHT IN STA 143+70 0.023 STA 144+28 0.0156 STA 145+13 0.008 STA 145+71 0.0 STA 146+30 CROWN -0.156
CURVE 5	PC 162+47.48 PT 167+55.98 SE = 0.04 FT/FT = 0.48 FT/LANE	TRANS. 143+70 TO 146+30	LEFT IN STA 160+73 CROWN -0.0156 STA 161+31 -0.0156 STA 161+89 -0.0156 STA 162+48 -0.0267 STA 163+06 -0.04	RIGHT IN STA 160+73 CROWN -0.0156 STA 161+31 0.0 STA 161+89 0.0133 STA 162+48 0.0267 STA 163+06 0.04
		TRANS 160+73 TO 163+06	LEFT OUT STA 166+98 -0.04 STA 167+56 -0.0267 STA 168+14 -0.0156 STA 168+73 -0.0156 STA 169+31 CROWN -0.156	RIGHT IN STA 166+98 0.04 STA 167+56 0.0267 STA 168+14 0.0133 STA 168+73 0.0 STA 169+31 CROWN -0.156

GENERAL NOTES:

- BITUMINOUS MATERIALS (PRIME COAT) SHALL BE APPLIED AT THE RATE OF 0.05 GALLONS PER SQUARE YARD. EMULSIFIED ASPHALT SHALL BE USED.
- SHORT-TERM PAVEMENT MARKING APPLIED TO LEVELING BINDER AND FINAL SURFACE

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE USE	SURFACE	LEVELING BINDER
PG	PG 64-22	PG 64-22
RAP %(MAX)	10 %	15 %
DESIGN AIR Voids	4.0% @ Ndes=70	4.0 % @ Ndes=70
MIX COMPOSITION (GRADATION MIXTURE)		
FRICION AGG	MIXTURE C	
MIXTURE WEIGHT	112 LB/SY/IN	112 LB/SY/IN

THERMOPLASTIC PAVEMENT MARKING SCHEDULE

LOCATION	LIMITS	LENGTH
RIGHT	STA 0+50	20 FT
RIGHT	STA 3+70	12 FT
RIGHT	STA 3+95	LETTERS AND SYMBOLS 61 SF
RIGHT	STA 4+20	12 FT
RIGHT	STA 7+20	12 FT
LEFT	STA 7+80	12 FT
LEFT	STA 12+00	12 FT
LEFT	STA 12+25	LETTERS AND SYMBOLS 61 SF
LEFT	STA 12+50	12 FT
TOTAL		122 SF 92 FT