

BRIDGE WEARING SURFACE REMOVAL SCHEDULE

LOCATION	QUANTITY
208+42 15' LT & RT TO 209+88 15' LT & RT	487 SQ. YDS.

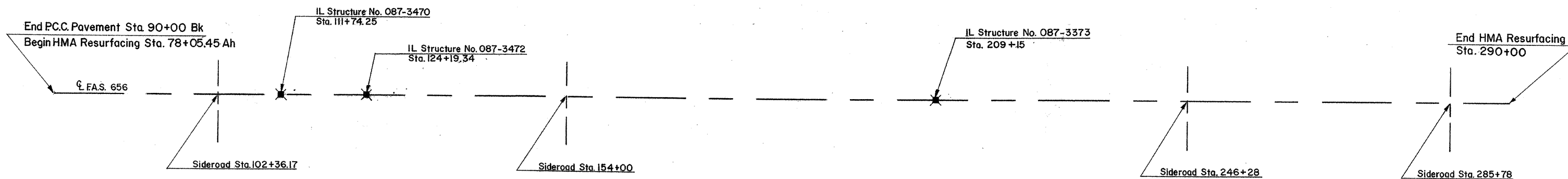


CURVE 1 DATA
 $\Delta = 2^{\circ}23'40''$
 $D = 0^{\circ}35'55''$
 $T = 200.00'$
 $L = 399.94'$
 $R = 9,570.06'$
 $E = 2.09'$
 P.C. STA. 183+00
 P.I. STA. 185+00
 P.T. STA. 186+99.94
 S.E. = NORMAL CROWN

CURVE 2 DATA
 $\Delta = 2^{\circ}16'40''$
 $D = 0^{\circ}34'10''$
 $T = 200.00'$
 $L = 399.95'$
 $R = 10,060.37'$
 $E = 1.99'$
 P.C. STA. 188+99.94
 P.I. STA. 190+99.94
 P.T. STA. 192+99.89
 S.E. = NORMAL CROWN

CURVE 3 DATA
 $\Delta = 3^{\circ}20'00''$
 $D = 0^{\circ}29'52''$
 $T = 335.00'$
 $L = 669.81'$
 $R = 11,513.20'$
 $E = 4.87'$
 P.C. STA. 211+02
 P.I. STA. 214+37
 P.T. STA. 217+71.81
 S.E. = NORMAL CROWN

CURVE 4 DATA
 $\Delta = 1^{\circ}28'12''$
 $D = 0^{\circ}07'30''$
 $T = 588.00'$
 $L = 1,175.94'$
 $R = 45,834.11'$
 $E = 3.77'$
 P.C. STA. 248+31.45
 P.I. STA. 254+19.45
 P.T. STA. 260+07.39
 S.E. = NORMAL CROWN



RESURFACING AREA

F.A.S. 656 (NEOGA ROAD) (CH-33)

FUNCTIONAL CLASSIFICATION: RURAL MAJOR COLLECTOR
CLASS III ROAD

DESIGN PERIOD = 20 YEARS

LOAD = 80,000 POUND ROAD

IBV = 4

DESIGN LANE DISTRIBUTION (FOR ALL VEHICLE CLASSES) = 50%

PAVEMENT DESIGN TRAFFIC (1)

CURRENT A.D.T. = 900

DESIGN YEAR = 2030

DESIGN A.D.T. = 1150

PU% = 88.7% = 1020 PASSENGER CARS
 SU% = 8.7% = 100 SINGLE UNIT TRUCKS
 MU% = 2.6% = 30 MULTI UNIT TRUCKS

TF = 0.23

(1) NUMBER OF VEHICLES FOR THE DESIGN YEAR WERE PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING PAVEMENT STRUCTURE

- 1.5" HOT-MIX ASPHALT SURFACE COURSE, MIX "C"
- 2.5" HOT-MIX ASPHALT BINDER COURSE - IL 19.0
- 8.0" AGGREGATE BASE TYPE A
- 12.0" LIME STABILIZED SOIL

PAVEMENT STRUCTURE NUMBERS

TOTAL ST NUMBER = 3.10
 EXISTING ST NUMBER = 2.95
 ST NUMBER REQUIRED = 0.15

ST NUMBER PROVIDED = 0.60 *

* DUE TO MINIMUM LIFT THICKNESSES

PROPOSED PAVEMENT STRUCTURE

- 1.25" HOT-MIX ASPHALT SURFACE COURSE, MIX "C" N-70
- 0.75" HMA LEVEL BINDER MACHINE METHOD N-70

MIXTURE REQUIREMENTS

LOCATION	FAS 656	FAS 656	FAS 656	FAS 656	FAS 656
MIXTURE APPLICATION	CLASS D PATCHES 8 INCH	LEVELING BINDER (MACHINE METHOD)	HOT-MIX ASPHALT SURFACE COURSE	INCIDENTAL HOT-MIX ASPHALT SURFACING	HOT-MIX ASPHALT SHOULDERS
PG GRADE	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP% (MAX)	20% (MAX)	15% (MAX)	15% (MAX)	15% (MAX)	20% (MAX)
DESIGN AIR VOIDS	4.0% AT NDESIGN = 70	4.0% AT NDESIGN = 70	4.0% AT NDESIGN = 70	4.0% AT NDESIGN = 70	4.0% AT NDESIGN = 30
MIX COMP. (GRADIATION)	IL - 19.0	IL - 9.5	IL - 9.5	IL - 9.5	IL - 19.0L
FRICTION AGGREGATE	N/A	MIXTURE C	MIXTURE C	MIXTURE C	N/A

RESURFACING DATA

SCALE:	APPROVED BY:	DRAWN BY:
DATE:	REVISION:	
		DRAWING NUMBER: