

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8894	05-00073-01-PV	MADISON	68	3
STA. N.A.	TO STA. N.A.			
FED. ROAD DIST. NO.	ILLINOIS	FEDERAL AID PROJECT		

STRUCTURAL PAVEMENT DESIGN INFORMATION

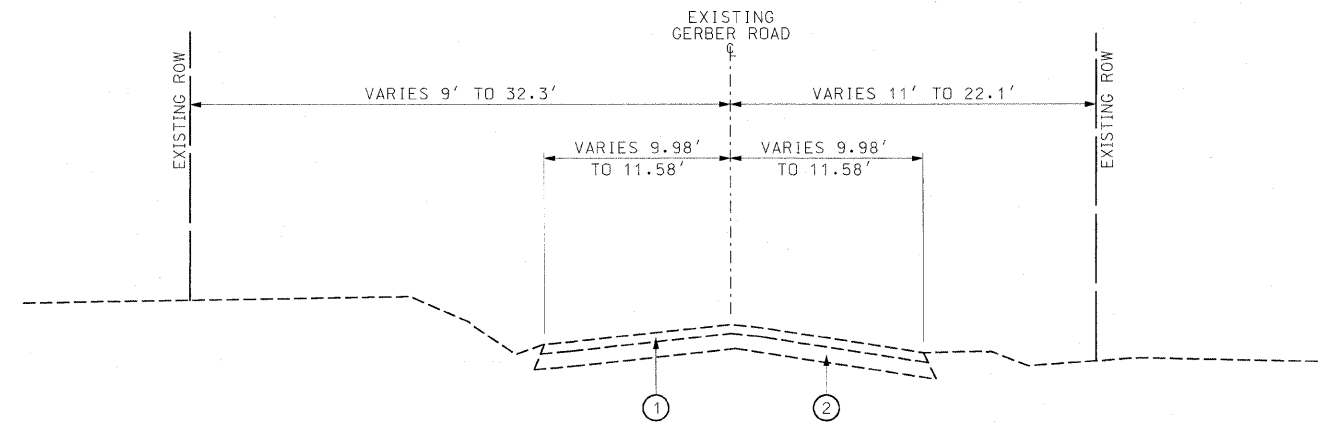
STRUCTURAL DESIGN TRAFFIC:	YEAR <u>2018</u>	
PV=	<u>2400</u>	MU= <u>37</u>
ROAD/STREET CLASSIFICATION:	CLASS <u>II</u>	
TRAFFIC FACTOR:	TF= <u>0.20</u>	AC TYPE= <u>20</u>
PG GRADE: BINDER=	<u>64-22</u>	SURFACE= <u>64-22</u>
SUBGRADE SUPPORT RATING:	SSR= <u>POOR</u> (STA. <u>78+30.00</u> TO <u>102+83.90</u>)	

MIXTURE REQUIREMENTS

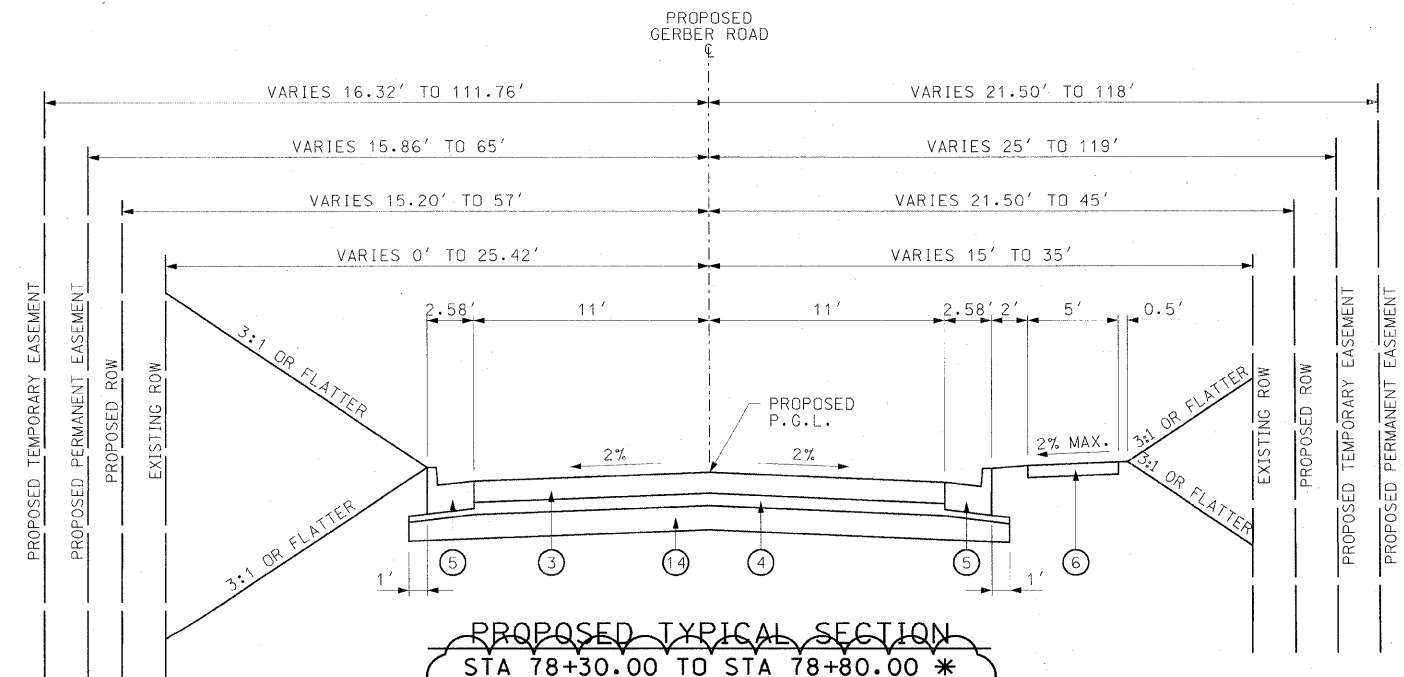
MIXTURE USE	SURFACE	BINDER
AC/PG	PG 64-22	PG 64-22
RAP % (MAX)	10%	15%
DESIGN AIR VOIDS	4.0% @ Ndes = 70	4.0% @ Ndes = 70
MIX COMPOSITION (GRADATION MIXTURE)	IL-19.0 OR IL-12.5	IL 19.0
FRICTION AGG.	MIXTURE C	MIXTURE B
MIXTURE WEIGHT	112 LB/SQ YD/IN	112 LB/SQ YD/IN

LEGEND

- ① EXISTING BITUMINOUS CONCRETE SURFACE COURSE, ± 2"
- ② EXISTING OIL & CHIP AND AGGREGATE BASE, ± 5"
- ③ PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 7" (1 1/2" SURFACE COURSE, 5 1/2" BINDER COURSE)
- ④ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A, 4"
- ⑤ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑥ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 4"
- ⑦ PROPOSED SEGMENTAL CONCRETE BLOCK WALL
- ⑧ PROPOSED 3/4" THICK PREFORMED EXPANSION JOINT FILLER (COST INCIDENTAL TO PROPOSED P.C.C. SIDEWALK, 4" OR MISCELLANEOUS CONCRETE, 4")
- ⑨ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 3"
- ⑩ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑪ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A, 8"
- ⑫ PROPOSED FENCE (SPECIAL)
- ⑬ PROPOSED MISCELLANEOUS CONCRETE, 4"
- ⑭ PROCESSING MODIFIED SOIL, 8"
- ⑮ DECORATIVE ROCK STRIP, 4"



EXISTING TYPICAL SECTION
STA 78+30.00 TO STA 102+83.90



PROPOSED TYPICAL SECTION
STA 78+30.00 TO STA 78+80.00 *
STA 78+80.00 TO STA 79+08.50
STA 79+78.50 TO STA 81+89.00
STA 84+81.50 TO STA 102+83.90
STA 102+83.90 (GERBER ROAD &) TO STA. 103+12.00 (BRIAR LANE &)

* 12" OF SUB-BASE GRANULAR MATERIALS, TYPE A MEASURED IN TONS SHALL BE USED IN THE PLACE OF SUB-BASE GRANULAR MATERIAL, TYPE A, 4" ON TOP OF MODIFIED SOIL, 8"

REVISIONS	
NAME	DATE
REVISION #1	2/6/09

ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
SCALE: VERT. NTS
HORIZ. NTS
DATE 1/4/08
DRAWN BY AJK, RJM
CHECKED BY JWB