

* SIDEWALK BEGINS @ STA. 104+90.
SEE PLAN & PROFILE FOR EXACT LOCATION.

**PROPOSED TYPICAL SECTION
T.R. 55 (RENNICK RD.)**

STA. 105+36.00 TO STA. 106+23.00

CONTRACTOR SHALL MILL BEFORE PATCHING.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS
THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT.

LOCATION(S)	MIXTURE TYPE	AIR VOIDS	NO. OF LIFTS
T.R. 55 (RENNICK RD.)	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (IL-9.5)	4% @ 70 GYR	3
T.R. 55 (RENNICK RD.)	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 10"	4% @ 70 GYR	3
OLD RENWICK RD.	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (IL-9.5)	4% @ 70 GYR	3
OLD RENWICK RD.	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"	4% @ 70 GYR	3
RIVER RD.	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (IL-9.5)	4% @ 70 GYR	3
RIVER RD.	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 10"	4% @ 70 GYR	3
RIVER RD.	HOT-MIX ASPHALT BASE COURSE WIDENING, 10" (HMA BINDER IL-19 mm)	4% @ 70 GYR	3
RIVER RD.	HOT-MIX ASPHALT LEVELING BINDER (MACHINE METHOD), N70 (IL-9.5)	4% @ 70 GYR	2
PAVEMENT PATCHING	CLASS D PATCHES, 6" (HMA BINDER IL-19 mm)	4% @ 70 GYR	2
TEMPORARY PAVEMENT	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1-1/2" (IL-9.5)	4% @ 70 GYR	2
TEMPORARY PAVEMENT	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 4-1/2"	4% @ 70 GYR	2
TEMPORARY RAMPS	HOT-MIX ASPHALT LEVELING BINDER (MACHINE METHOD), N70 (IL-9.5)	4% @ 70 GYR	2
DRIVEWAYS	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (IL-9.5)	4% @ 70 GYR	2
DRIVEWAYS	HOT-MIX ASPHALT BINDER COURSE, N70, 6" (IL-19 mm)	4% @ 70 GYR	2

- NOTES:**
- VARIES FROM 16.8'± @ STA. 105+36.00 TO 15' @ STA. 106+23.00.
 - VARIES FROM 17.2'± @ STA. 105+36.00 TO 15' @ STA. 106+23.00.

R.O.W. NOTE:
EXISTING & PROPOSED R.O.W. IS VARIABLE THROUGHOUT PROJECT.
SEE PLAN & PROFILES AND R.O.W. PLAT OF HIGHWAYS FOR LOCATIONS.

T.R. 55 (RENNICK RD.) STRUCTURAL PAVEMENT DESIGN

STRUCTURAL DESIGN TRAFFIC (S.D.T.) YEAR 2020
 PV = 6544 SU = 521 MU = 372

CLASS II ROAD
 SUB-GRADE SUPPORT RATING: POOR
 PERCENT OF S.D.T. IN DESIGN LANE: 50%

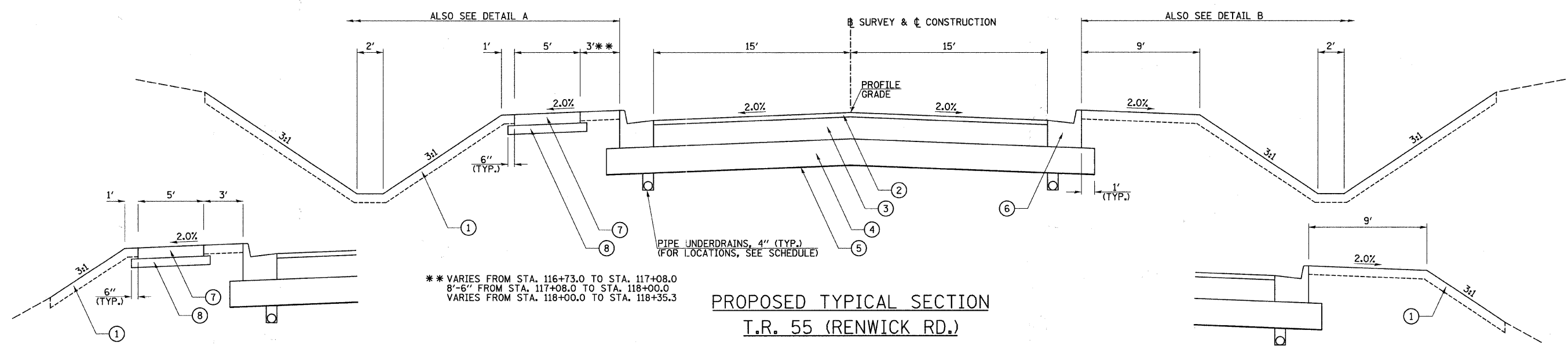
TRAFFIC FACTOR = 2.03

PAVEMENT STRUCTURE MATERIALS RECONSTRUCTION:

SURFACE COURSE TYPE: HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
 BASE COURSE TYPE: HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 10"
 SUB-BASE TYPE: AGGREGATE SUBGRADE, 12"

- ① TOPSOIL FURNISH AND PLACE, 4" (TYP.)
- ② HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
- ③ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 10"
- ④ AGGREGATE SUBGRADE, 12"
- ⑤ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑥ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (TYP.)
- ⑦ PCC SIDEWALK, 5"
- ⑧ AGGREGATE BASE COURSE, TYPE B, 4"

NOTES: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.



** VARIES FROM STA. 116+73.0 TO STA. 117+08.0
 8'-6" FROM STA. 117+08.0 TO STA. 118+00.0
 VARIES FROM STA. 118+00.0 TO STA. 118+35.3

**PROPOSED TYPICAL SECTION
T.R. 55 (RENNICK RD.)**

STA. 106+23.00 TO STA. 117+18.31
 STA. 117+18.31 TO STA. 117+30.24 (RAILROAD OMISSION)
 STA. 117+30.24 TO STA. 118+20.58 (BRIDGE APPROACH PAVEMENT CONNECTOR - FLEXIBLE)

FILE NAME = V:\2545\2545t002.dgn	USER NAME = bdeoraene	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	T.R. 55 (RENNICK RD.) PROPOSED TYPICAL SECTIONS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					TR 55	90-16103-01-BR	WILL	255	7
		CHECKED -	REVISED -					CONTRACT NO. 83126				
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				