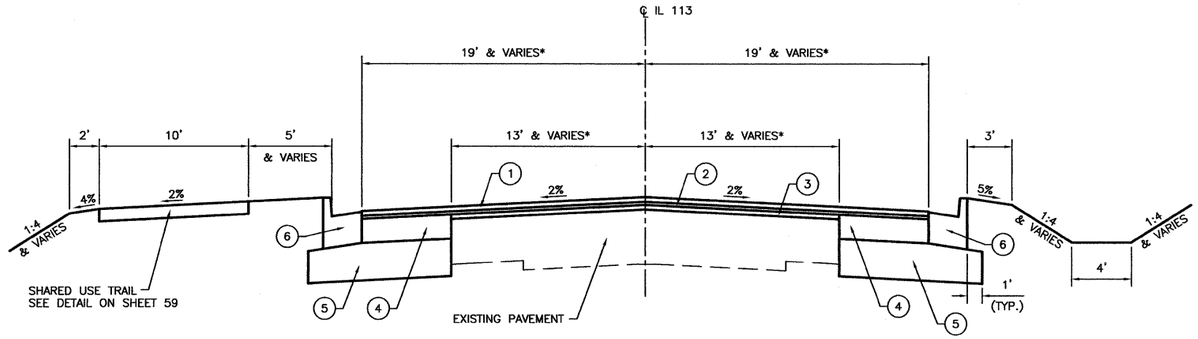
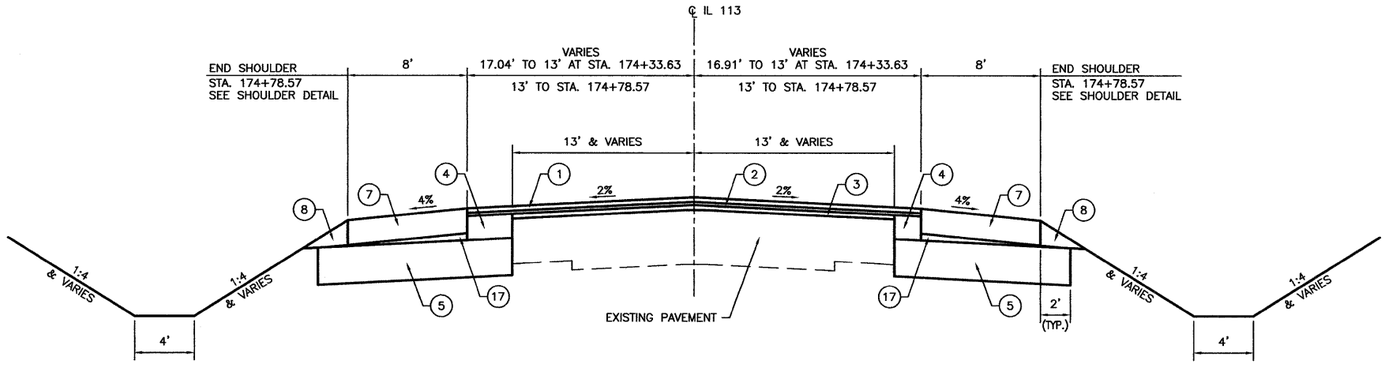


* PAVEMENT WIDTHS VARY AT INTERSECTIONS

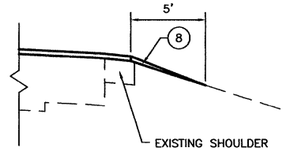
PROPOSED TYPICAL SECTION

N.T.S.
IL 113
STA. 154+50 TO LT STA. 172+51.64/RT STA. 172+62.12



PROPOSED TYPICAL SECTION

N.T.S.
IL 113
LT STA. 172+51.82/RT STA. 172+62.12 TO STA. 175+25



SHOULDER DETAIL

N.T.S.
IL 113
STA. 174+78.57 TO STA. 175+25

LEGEND

1. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
2. LEVELING BINDER (MACHINE METHOD), N70, 1"
3. LEVELING BINDER (MACHINE METHOD), N70, VARIABLE DEPTH
4. HOT-MIX ASPHALT BASE COURSE, 7 3/4"
5. SUBBASE GRANULAR MATERIAL, TYPE A, 12"
6. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
7. HOT-MIX ASPHALT SHOULDER, 8"
8. AGGREGATE SHOULDERS, TYPE B
9. HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 1 1/2"
10. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 3 1/4"
11. AGGREGATE BASE COURSE, TYPE A 8"
12. AGGREGATE SHOULDERS, TYPE B 4 3/4"
13. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
14. LEVELING BINDER (MACHINE METHOD), N50, VARIABLE DEPTH
15. LEVELING BINDER (MACHINE METHOD), N50, 3 1/4"
16. AGGREGATE SHOULDERS TYPE B 6"
17. SUBBASE GRANULAR MATERIAL, TYPE C

IL 113

STRUCTURAL DESIGN TRAFFIC: Year 2022
PV = 13501 SU = 850 MU = 333
ROAD/STREET CLASSIFICATION: Class MAJOR COLLECTOR
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
P = 50 S = 50 M = 50
TRAFFIC FACTOR: Actual TF = 1.80 AC Type = 20
Minimum TF = 3.4
PG GRADE: Binder = PG64-22 Surface = PG64-22
SUBGRADE SUPPORT RATING:
SSR = POOR

	HMA SURFACE	BASE COURSE	HMA LEVEL BINDER	HMA SHOULDERS
PG GRADE	PG64-22	PG64-22	PG64-22	PG64-22
DESIGN AIR VOIDS	4.0% @ N70	4.0% @ N70	4.0% @ N70	4.0% @ N50
MIXTURE COMPOSITION	IL 9.5	IL 19.0	IL 9.5	IL 19.0
FRICTION AGGREGATE	MIXTURE D	--	--	--
DENSITY TEST METHOD	CORES/ CORRELATION	CORES	SATISFACTION OF ENGINEER	CORES

- MATERIAL SHALL BE COMPACTED TO 93.0-97.4 PERCENT OF THE MAXIMUM THEORETICAL DENSITY, EXCEPT THAT WHEN PLACED AS FIRST LIFT ON AN UNIMPROVED SUBGRADE THE MINIMUM PERCENT COMPACTION SHALL BE 92.0 PERCENT. THE MAXIMUM THEORETICAL DENSITY SHALL BE DETERMINED FROM THE MOVING AVERAGE AS SPECIFIED IN THE QC/QA SPECIFICATION.

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Drawing Name: G:\Users\G\66022-01-Diamond-Will-Road-&-IL-113-Env-Survey\CAD\C3D\PLANS-EXTENDED\003-TYPS.dwg Last Modified: Feb 09, 2012 - 8:37am Plotted on: Mar 27, 2012 - 1:25pm by nancia

DRAWN BY: NV	REVISIONS			
CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION
DATE: 02/12				

CHAMLIN & ASSOCIATES — PERU MORRIS ILLINOIS

FAS 301 / FAU 383
SECTION 11-00007-00-WR
VILLAGE OF DIAMOND
GRUNDY AND WILL COUNTIES

PROPOSED TYPICAL SECTIONS

CONSTRUCTION PLANS

CONTRACT NO. 87520

CURRENT AS OF: 02/12	
SCALE: AS NOTED	SHEET 4
FILE NO.: 66022.01 Y-	OF 96