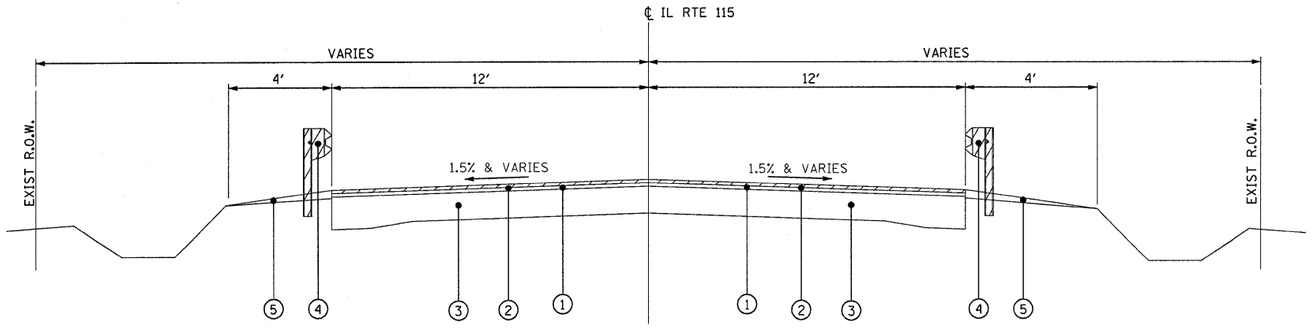
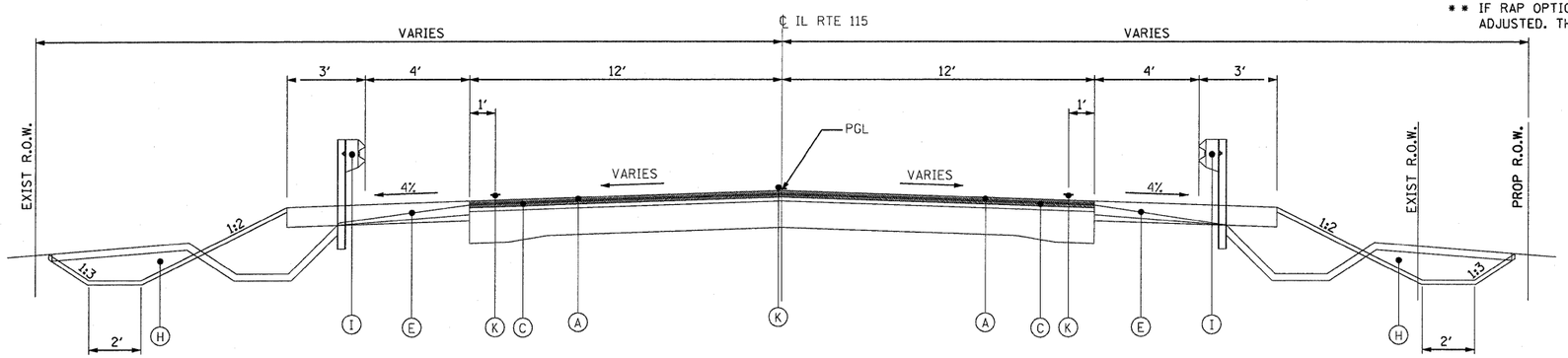


EXISTING ROADWAY TYPICAL SECTION

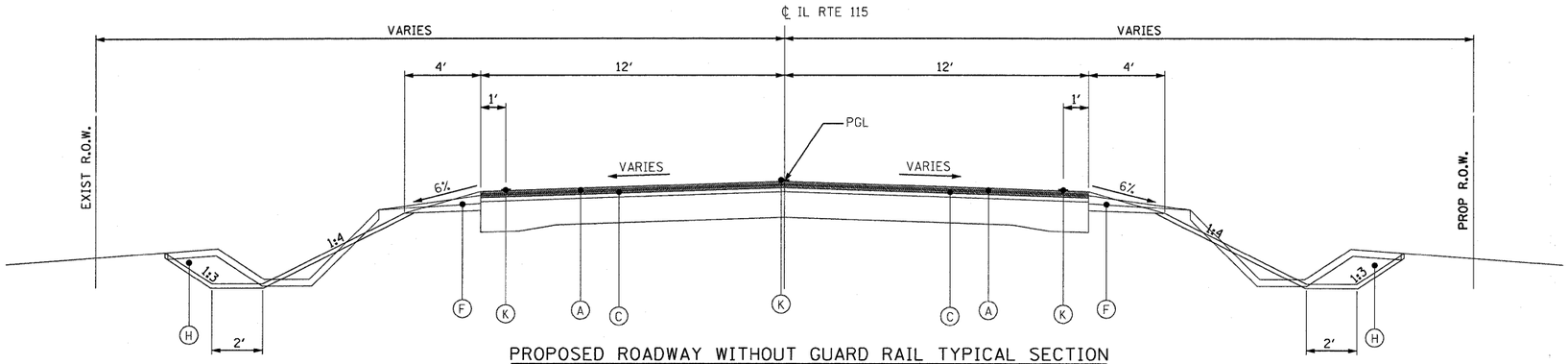
NTS

FROM STA 264+56.69 TO STA 265+62.20
FROM STA 265+87.92 TO STA 269+10



PROPOSED ROADWAY WITH GUARD RAIL TYPICAL SECTION

NTS



PROPOSED ROADWAY WITHOUT GUARD RAIL TYPICAL SECTION

NTS

BITUMINOUS MIXTURE REQUIREMENTS

PAY ITEM	HMA LEVEL BINDER	HMA SURFACE	HMA BINDER	HMA SHOULDERS
PG GRADE	PG64-22	PG64-22	PG64-22	PG58-22
MAX. % RAP ALLOWABLE **	25%	15%	25%	50%
DESIGN AIR VOIDS	4.0% @ N50	4.0% @ N50	4.0% @ N50	3.0% @ N50
MIXTURE COMPOSITION	IL 9.5	IL 12.5 OR IL 9.5	IL 19.0	IL 19.0
FRICTION AGGREGATE		MIXTURE C		
DENSITY TEST METHOD	SATISFACTION OF THE ENGINEER	NUCLEAR / CORES	NUCLEAR / 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.

** IF RAP OPTION IS DIFFERENT THAN LISTED ABOVE, THE PG GRADE MAY NEED TO BE ADJUSTED. THIS WILL BE DETERMINED BY THE ENGINEER.

LEGEND:

EXISTING

(1) EXISTING HOT-MIX ASPHALT BINDER/SURFACE COURSE ± 3″
(2) HOT-MIX ASPHALT SURFACE REMOVAL, 3/4″
(3) EXISTING PCC PAVEMENT, ± 12″
(4) EXISTING GUARD RAIL REMOVAL
(5) EXISTING AGGREGATE SHOULDER

PROPOSED

(A) PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50, 1 1/2″
(B) PROPOSED LEVELING BINDER (MACHINE METHOD), N50, 3/4″
(C) PROPOSED LEVELING BINDER (MACHINE METHOD), N50, VARIABLE DEPTH
(D) PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A, 6″
(E) PROPOSED HOT-MIX ASPHALT SHOULDERS, 8″
(F) PROPOSED AGGREGATE SHOULDERS, TYPE B
(G) PROPOSED POROUS GRANULAR EMBANKMENT
(H) PROPOSED EARTH EXCAVATION
(I) PROPOSED STEEL PLATE BEAM GUARD RAIL
(J) PROPOSED PRECAST CONCRETE BOX CULVERT, 12′ X 8′
(K) PAVEMENT MARKING, SEE PAVEMENT MARKING SHEET FOR DETAIL

FILE NAME = c:\pw_work\PWIDOT\CARPENTERDJ\dms30072.typ-0030-shtl.dgn	USER NAME = carpenterdj	DESIGNED - DB	REVISED -
		DRAWN - RM/FZ/DK/NS	REVISED -
	PLOT SCALE = 21.1764 ′ / IN.	CHECKED - AS	REVISED -
	PLOT DATE = Aug 22, 2008 - 01:52:30 PM	DATE - AUGUST 2008	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
SN 027-2015 SHEET 1 OF 2

SCALE: 1IN=25′ | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
798	107 BR, 108-BR, 108-BR-1	FORD	92	10
		CONTRACT NO. 66698		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		