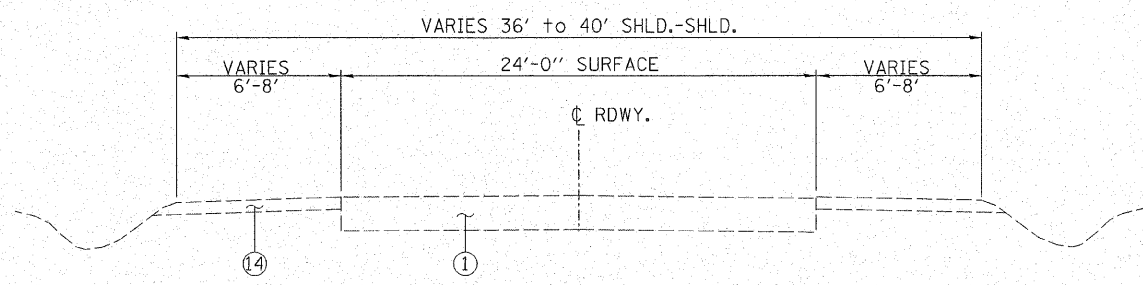
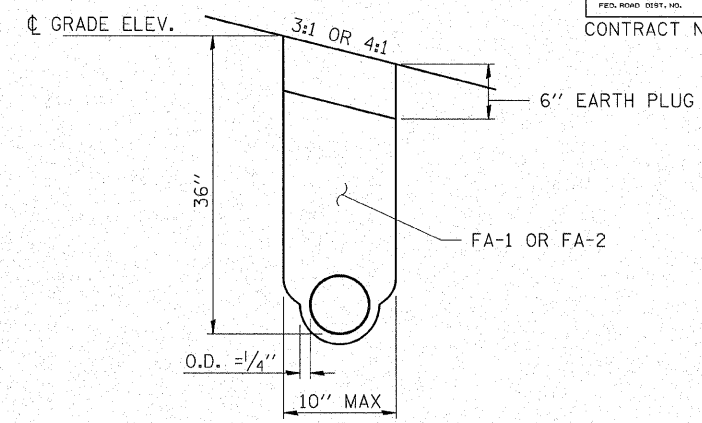


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 15	96-00044-00-BR	KENDALL	55	7
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO. 87325



EXISTING CROSS SECTION
STATION 34+12.04 TO 64+88.11



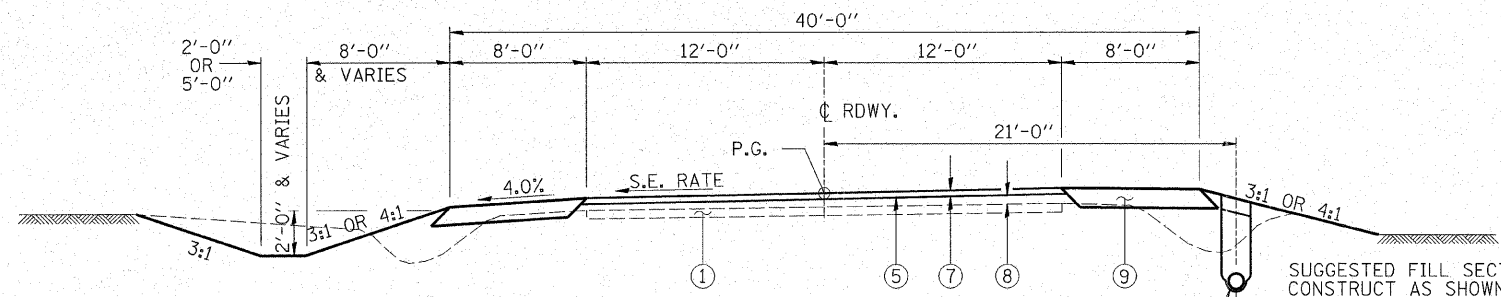
DETAIL "A"

PAVEMENT DESIGN DATA

DESIGN PERIOD: 20 YEARS LOADING (73,280 LBS)
 STRUCTURAL DESIGN TRAFFIC (S.D.T.) = 2017 (8324)
 P.V. = 8263 S.U. = 54 M.U. = 54
 ROAD/STREET CLASSIFICATION: CLASS II
 PERCENT OF S.D.T. IN DESIGN LANE:
 P = 50% S = 50% M = 50%
 TRAFFIC FACTOR: T.F. = 0.23 AC TYPE 58-22
 PG GRADE: BINDER = 58-22 SURFACE = 58-22
 SUBGRADE SUPPORT RATING
 SSR = POOR (STA. 40+00 TO STA. 64+88.11)

LEGEND

- ① EXISTING PAVEMENT - 6" BITUMINOUS, 3/4" SEAL COAT, 9" AGGREGATE BASE
- ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (5")
- ③ SUB-BASE GRANULAR MATERIAL, TYPE B 12"
- ④ INCIDENTAL HOT-MIX ASPHALT SURFACING (2")
- ⑤ BITUMINOUS MATERIALS (PRIME COAT)
- ⑥ AGGREGATE BASE COURSE, TYPE B (8")
- ⑦ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (1 1/2")
- ⑧ LEVELING BINDER (MACHINE METHOD), N50 (1" MIN.)
- ⑨ HOT-MIX ASPHALT SHOULDERS (6")
- ⑩ BRIDGE APPROACH PAVEMENT
- ⑪ BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)
- ⑫ SEE STANDARD 420401 FOR SUB-BASE GRANULAR MATERIAL INCLUDED IN THE COST OF BRIDGE APPROACH PAVEMENT
- ⑬ HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- ⑭ EXISTING AGGREGATE SHOULDERS
- ⑮ TEMPORARY RAMP
- ⑯ PIPE UNDERDRAIN 6"



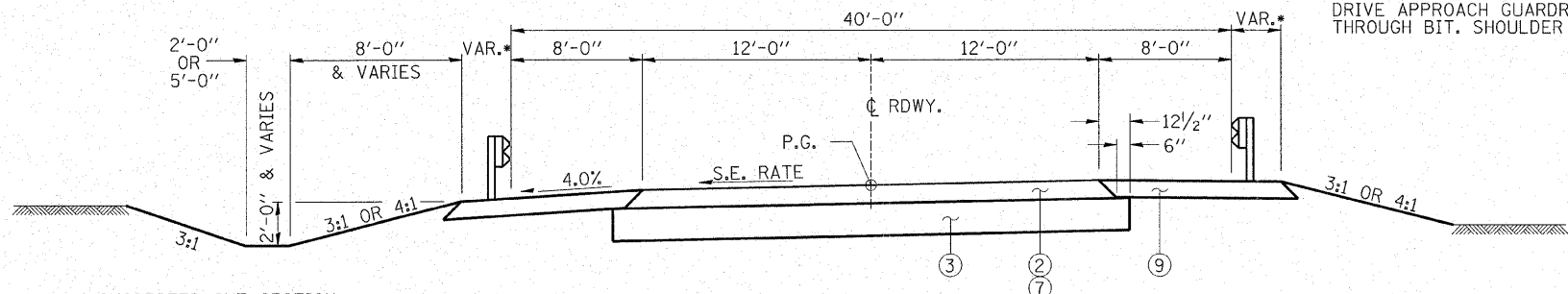
PROPOSED TYPICAL CROSS SECTION
STA. 34+12.04 TO STA. 40+00.00

SUGGESTED CUT SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS
STA. 34+12.04 TO STA. 34+50
TRANSITION SHOULDERS AND
SIDE SLOPES TO EXISTING.

SUGGESTED FILL SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS
RT. STA. 35+00 TO STA. 39+00
36" BELOW ϕ GRADE ELEVATION
SEE DETAIL "A"
STA. 34+12.04 TO STA. 34+50
TRANSITION SHOULDERS AND
SIDE SLOPES TO EXISTING.

* VARIES 3'-9" TO 4'-0"
BEHIND GUARDRAIL ACCORDING TO
STANDARD 630301 & 630001.

DRIVE APPROACH GUARDRAIL
THROUGH BIT. SHOULDER



PROPOSED TYPICAL CROSS SECTION
STA. 40+00 TO P.T. STA. 44+29.83
P.C. STA. 51+62.79 TO STA. P.T. STA. 63+15.73

SUGGESTED CUT SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

SUGGESTED FILL SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

HAMPTON, LENZINI & RENWICK, INC.
 CIVIL & STRUCTURAL ENGINEERS

HLR 3085 STEVENSON DRIVE, SUITE 201
 SPRINGFIELD, ILLINOIS 62703
 (217) 546-3400

ELGIN • SPRINGFIELD • DUQUOIN

PROJECT NUMBER: 12-06-0030-1 DATE: 03/12/07
 DESIGNED: L.F.S. CHECKED: S.W.M. DRAWN: W.J.S.

TYPICAL CROSS SECTIONS
 SECTION 96-00044-00-BR
 FOX RIVER DRIVE
 KENDALL COUNTY