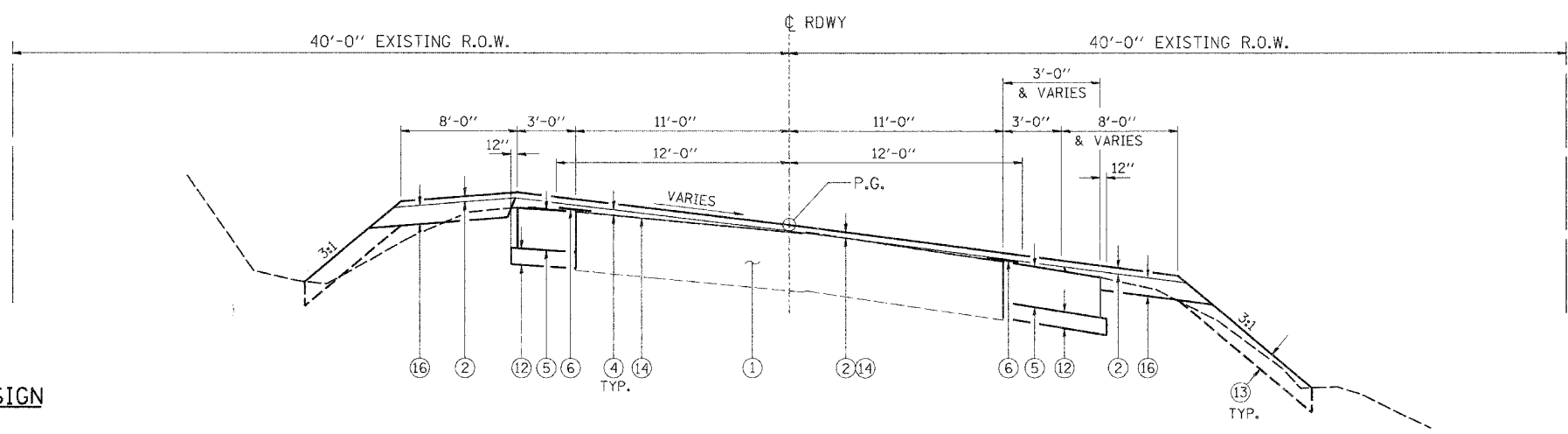


ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET TOTAL
C.H. 14	99-00076-11-BR	LAKE	66	8
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO: 83763



PROPOSED TYPICAL ROADWAY CROSS SECTION
STATION 14+90 TO 15+80
STATION 19+40 TO 20+73.63

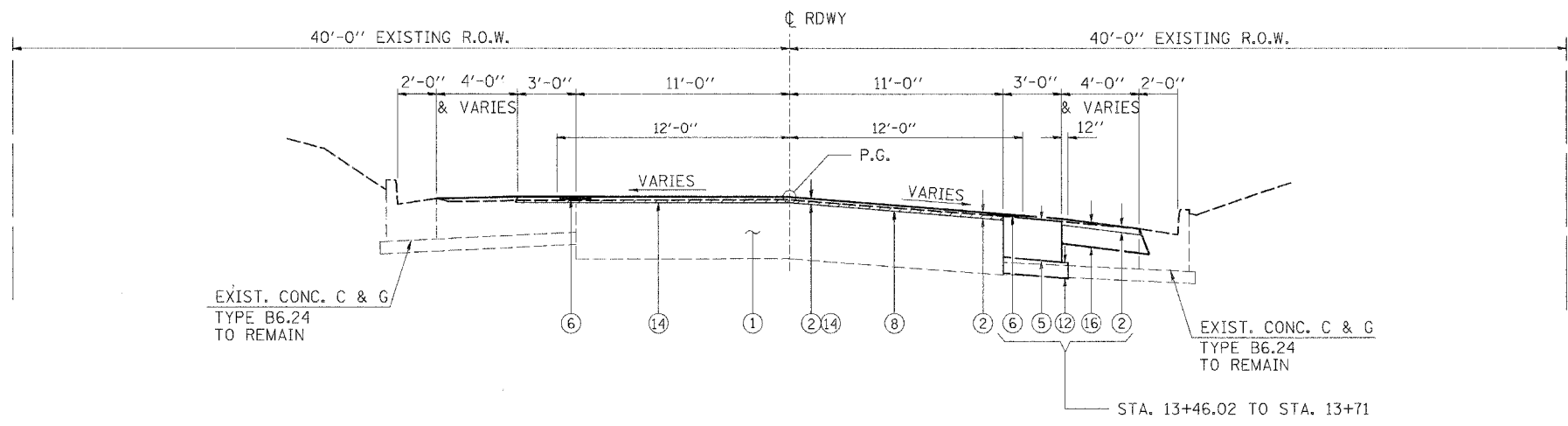
PAVEMENT DESIGN

MAINLINE:
DESIGN PERIOD: 20 YEARS
STRUCTURAL DESIGN TRAFFIC (SDT) = 12,178 YEAR 2015
PU = 95% SU = 3% MU = 2%
CLASS II ROAD
PERCENT OF SDT IN DESIGN LANE
P = 50% SU = 50% MU = 50%
73,280 LB LOAD LIMIT
SUBGRADE SUPPORT RATING = POOR, IBR 3
TRAFFIC FACTOR = 1.10

TEMPORARY WIDENING:
DESIGN PERIOD 1 YEAR
STRUCTURAL DESIGN TRAFFIC (SDT) = 10,591 YEAR 2005
PU = 95% SU = 3% MU = 2%
CLASS II ROAD
PERCENT OF SDT IN DESIGN LANE
P = 100% SU = 100% MU = 100%
73,280 LB LOAD LIMIT
SUBGRADE SUPPORT RATING = POOR, IBR 3
TRAFFIC FACTOR = 0.10

LEGEND

- ① EXISTING BITUMINOUS SURFACE ON AGGREGATE BASE
- ② BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE MIX D, N70 (1 1/2" MINIMUM THICKNESS)
- ③ BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE IL 19.0, N50 (1 3/4" THICKNESS)
- ④ LEVELING BINDER, MACHINE METHOD, SUPERPAVE N70 (THICKNESS VARIES AS REQUIRED)
- ⑤ BITUMINOUS BASE COURSE, SUPERPAVE 10"
- ⑥ STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ⑦ TEMPORARY RAMP AT 1:40 (SEE ARTICLE 406.18)
- ⑧ BITUMINOUS SURFACE REMOVAL - BUTT JOINT
- ⑨ PAVEMENT REMOVAL
- ⑩ BRIDGE APPROACH PAVEMENT (STANDARD 420401)
- ⑪ STEEL PLATE BEAM GUARD RAIL. SEE SCHEDULE OF QUANTITIES FOR LOCATIONS
- ⑫ SUB-BASE GRANULAR MATERIAL, TY B, 4"
- ⑬ FURNISHING AND PLACING TOPSOIL, 4"
- ⑭ BITUMINOUS MATERIALS (PRIME COAT)
- ⑮ AGGREGATE BASE COURSE TY. A (SPECIAL) 6"
- ⑯ BITUMINOUS BASE COURSE, SUPERPAVE 4.5"
- ⑰ SUB-BASE GRANULAR MATERIAL, TY A, 4"
- ⑱ AGGREGATE SHOULDER TY. A (SPECIAL) 4"
- ⑳ TEMPORARY CONCRETE BARRIER
- ㉑ PROPOSED GUARD RAIL
- ㉒ REMOVE STEEL PLATE BEAM GUARD RAIL
- ㉔ BITUMINOUS BASE COURSE SUPERPAVE 6"
- ㉕ BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE MIX C, N50 (2" MINIMUM THICKNESS)
- ㉖ PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 7"
- ㉗ FLEXIBLE PAVEMENT CONNECTOR



PROPOSED TYPICAL ROADWAY CROSS SECTION
STATION 13+46.02 TO 14+90

HLR
Rice, Berry and Associates
A Division of Hampton, Lenzini and Renwick, Inc.
Civil & Structural Engineers
801 S. Durkin Drive
Springfield, Illinois 62704
217-546-3400
P.O. BOX 1036
DuQuoin, Illinois 62832
618-790-4637
Account Number 12-07-0043-1
Date: 06/28/04
DESIGNED: S.W.M. CHECKED: S.W.M. DRAWN: D.T.M.

TYPICAL CROSS SECTIONS (PROPOSED)
SECTION 99-00076-11-BR
C.H. 14 / MILLBURN ROAD
LAKE COUNTY