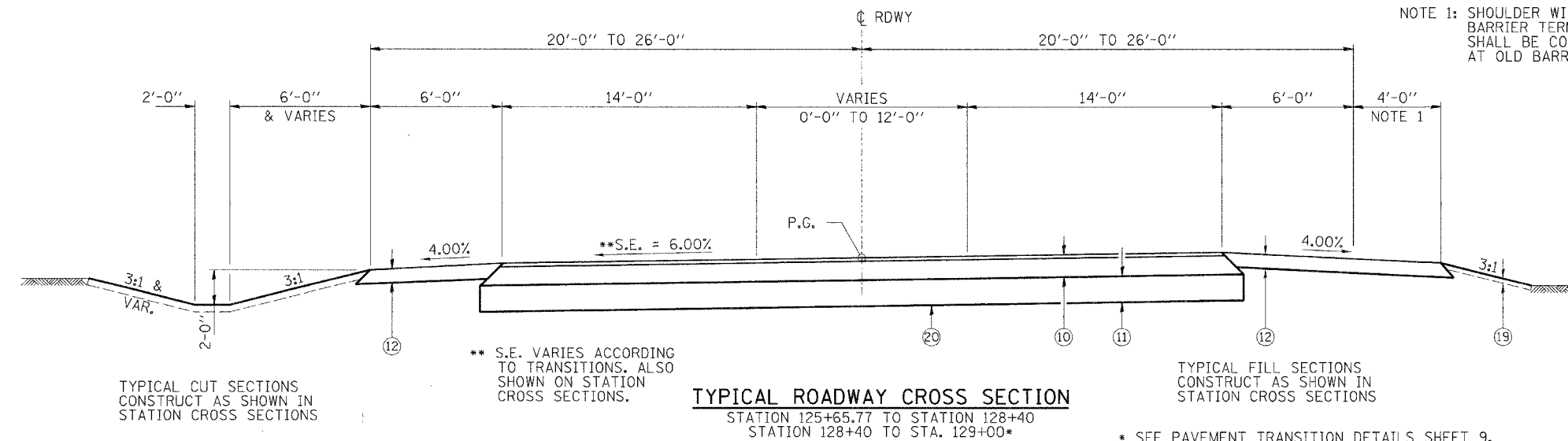


ROUTE NO.	SECTION	COUNTY	SHEET	TOTAL
F.A.U. 3706	00-00068-07-BR	LAKE	50	7
FED. ROAD DIST. NO.	ILL. NO.	FED. AID PROJECT	BRM-7003(876)	
CONTRACT NO. 83806				



TYPICAL CUT SECTIONS
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

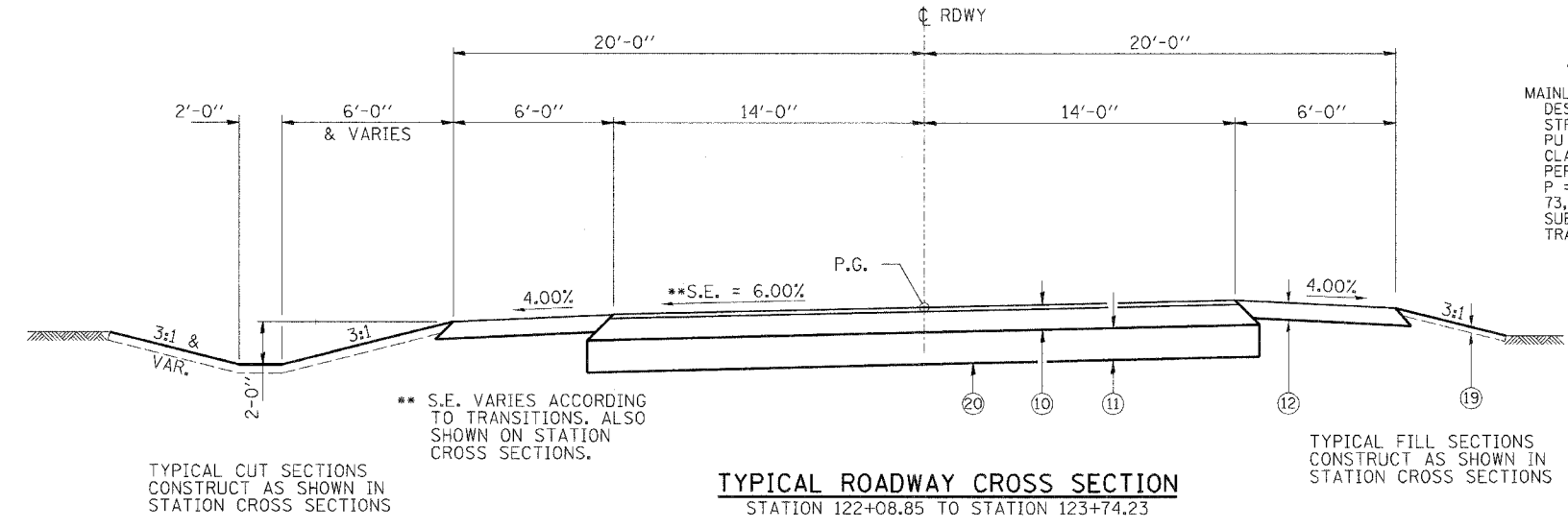
** S.E. VARIES ACCORDING
TO TRANSITIONS. ALSO
SHOWN ON STATION
CROSS SECTIONS.

TYPICAL ROADWAY CROSS SECTION

STATION 125+65.77 TO STATION 128+40
STATION 128+40 TO STA. 129+00*

TYPICAL FILL SECTIONS
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

* SEE PAVEMENT TRANSITION DETAILS SHEET 9.



TYPICAL CUT SECTIONS
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

** S.E. VARIES ACCORDING
TO TRANSITIONS. ALSO
SHOWN ON STATION
CROSS SECTIONS.

TYPICAL ROADWAY CROSS SECTION

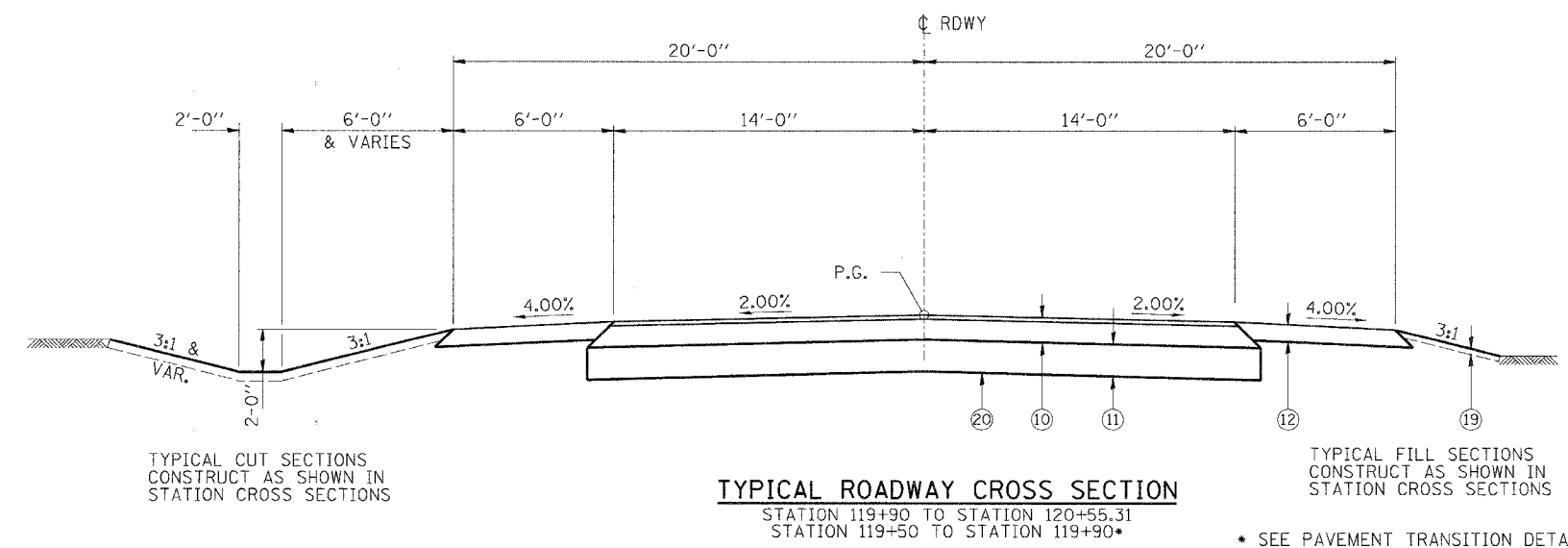
STATION 122+08.85 TO STATION 123+74.23

TYPICAL FILL SECTIONS
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

PAVEMENT DESIGN

MAINLINE:
DESIGN PERIOD: 20 YEARS
STRUCTURAL DESIGN TRAFFIC (SDT) = 12,648 YEAR 2015
PU = 95% SU = 4% MU = 1%
CLASS II ROAD
PERCENT OF SDT IN DESIGN LANE
P = 50% SU = 50% MU = 50%
73,380 LB LOAD LIMIT
SUBGRADE SUPPORT RATING = POOR, IBR 3
TRAFFIC FACTOR = 0.86

- LEGEND**
- ① 1 1/4" BITUMINOUS CONCRETE SURFACE COURSE (EXISTING)
 - 1 1/4" BITUMINOUS CONCRETE BINDER COURSE (EXISTING)
 - ② AREA REFLECTIVE CRACK CONTROL FABRIC (EXISTING)
 - ③ BITUMINOUS SHOULDERS, TY. B (6" THICK) (EXISTING)
 - ④ 7 1/2" BITUMINOUS PAVEMENT (EXISTING)
 - 6" AGGREGATE BASE
 - ⑤ 1 1/2" BITUMINOUS CONCRETE SURFACE COURSE (EXISTING)
 - 7" BITUMINOUS CONCRETE BINDER COURSE (EXISTING)
 - ⑦ 12" AGGREGATE SUBGRADE (EXISTING)
 - ⑧ POROUS GRANULAR EMBANKMENT (EXISTING)
 - ⑨ AGGREGATE SHOULDERS (6" THICK) (EXISTING)
 - ⑩ BITUMINOUS CONCRETE PAVEMENT (FULL DEPTH), SUPERPAVE, 9 1/2"
 - ⑪ AGGREGATE SUBGRADE 12"
 - ⑫ BITUMINOUS SHOULDERS 6"
 - ⑬ BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX, D, N70, 1 1/2"
 - ⑭ TEMPORARY RAMP AT 1:40 (SEE ARTICLE 406.18)
 - ⑮ BITUMINOUS SURFACE REMOVAL - VARIABLE DEPTH
 - ⑯ BITUMINOUS MATERIALS (PRIME COAT)
 - ⑰ PAVEMENT REMOVAL
 - ⑱ LEVELING BINDER (MACHINE METHOD) SUPERPAVE, N70
 - ⑲ 4" TOP SOIL
 - ⑳ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
 - ㉑ BITUMINOUS CONCRETE SURFACE COURSE SUPERPAVE, MIX C, N50, 1 1/2"
 - ㉒ BITUMINOUS CONCRETE BINDER COURSE SUPERPAVE IL 19.0, N50, 1 1/4"
 - ㉓ AGGREGATE BASE COURSE, TYPE A (SPECIAL) 6"
 - ㉔ AGGREGATE SHOULDERS, TYPE A (SPECIAL) 4"
 - ㉕ BRIDGE APPROACH PAVEMENT (STANDARD 420401)
 - ㉖ SUB-BASE GRANULAR MATERIAL, TY A, 4"
 - ㉗ AGGREGATE FOR TEMPORARY ACCESS (4" MIN.)
 - ㉘ EXISTING GUARDRAIL
 - ㉙ PROPOSED GUARDRAIL
 - ㉚ PAVEMENT REMOVAL



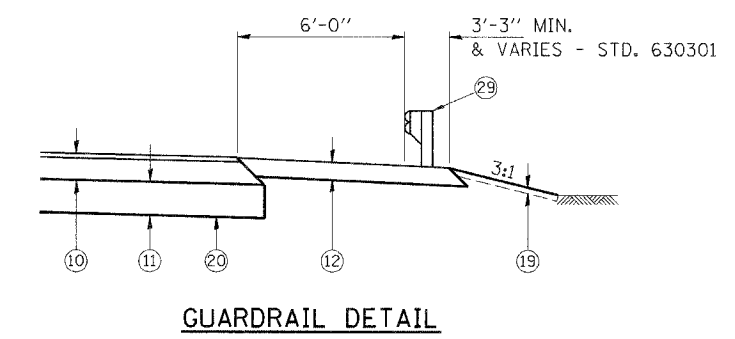
TYPICAL CUT SECTIONS
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

TYPICAL ROADWAY CROSS SECTION

STATION 119+90 TO STATION 120+55.31
STATION 119+50 TO STATION 119+90*

TYPICAL FILL SECTIONS
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

* SEE PAVEMENT TRANSITION DETAILS SHEET 9.



HLR
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P.O. Box 1036
DuQuoin, Illinois 62832
618-790-4637
Account Number
12-07-0047-1
Date: 05/23/05
DESIGNED: T.P.L. CHECKED: S.W.M. DRAWN: D.T.M.

PROPOSED TYPICAL CROSS SECTIONS
SECTION 00-00068-07-BR
F.A.U. 3706 / C.H. 30 / KELSEY ROAD
LAKE COUNTY