

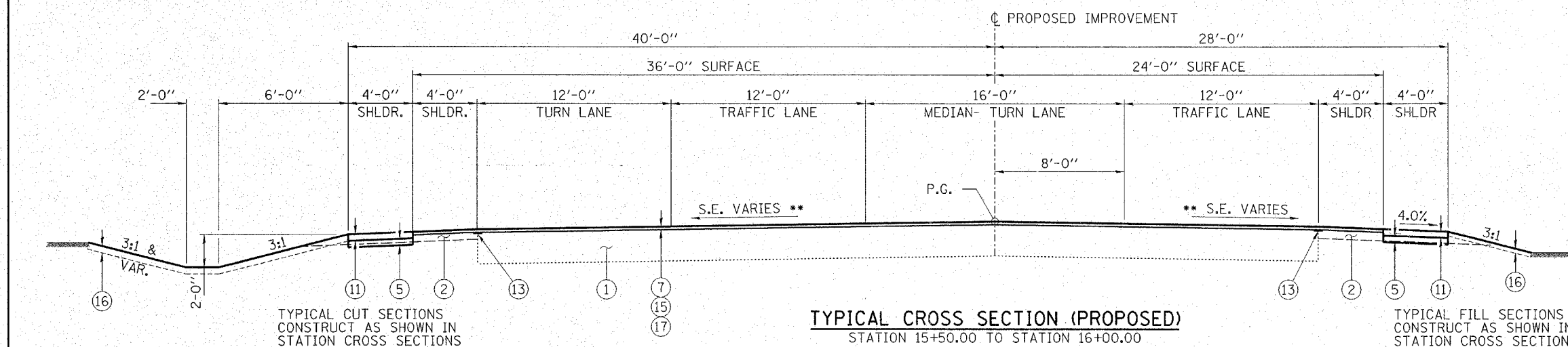
**TYPICAL CROSS SECTION (PROPOSED)**

STATION 16+00.00 TO STATION 18+19.56

\*\* S.E. VARIES ACCORDING TO TRANSITIONS.

TYPICAL CUT SECTIONS  
CONSTRUCT AS SHOWN IN  
STATION CROSS SECTIONS

TYPICAL FILL SECTIONS  
CONSTRUCT AS SHOWN IN  
STATION CROSS SECTIONS



**TYPICAL CROSS SECTION (PROPOSED)**

STATION 15+50.00 TO STATION 16+00.00

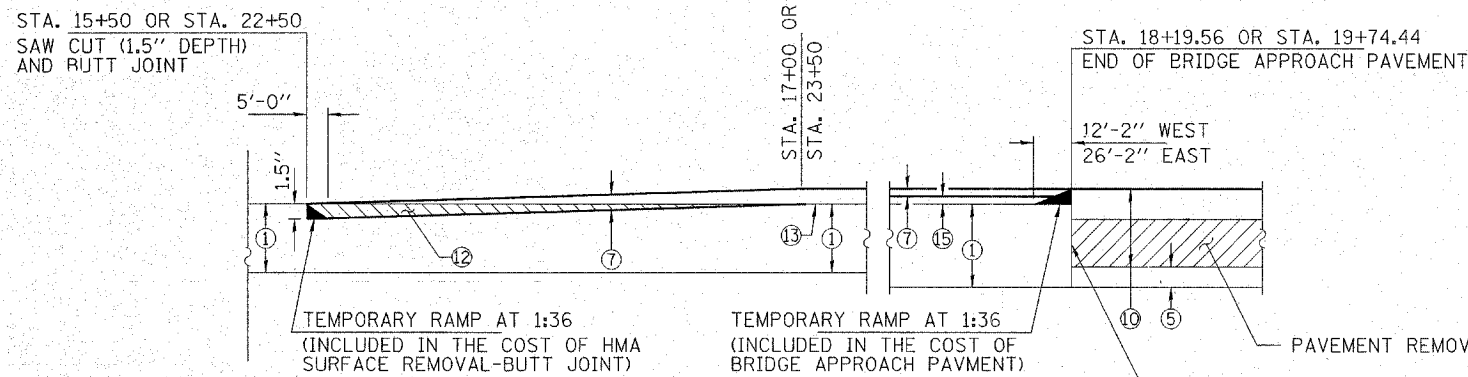
\*\* S.E. VARIES ACCORDING TO TRANSITIONS.

TYPICAL CUT SECTIONS  
CONSTRUCT AS SHOWN IN  
STATION CROSS SECTIONS

TYPICAL FILL SECTIONS  
CONSTRUCT AS SHOWN IN  
STATION CROSS SECTIONS

**LEGEND**

- ① EXISTING HOT-MIX ASPHALT PAVEMENT
- ② EXISTING 8" HOT-MIX ASPHALT SHOULDER
- ③ EXISTING 8" AGGREGATE SHOULDER
- ④ EXISTING STEEL PLATE BEAM GUARDRAIL
- ⑤ SUB-BASE GRANULAR MATERIAL, TYPE B (4" THICKNESS)
- ⑥ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (6 1/2" THICKNESS)
- ⑦ HOT-MIX ASPHALT SURFACE COURSE, MIX D, N70 (1 1/2" THICKNESS)
- ⑧ TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT)
- ⑨ TEMPORARY STEEL PLATE BEAM GUARDRAIL, TYPE A
- ⑩ TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 6
- ⑪ AGGREGATE SHOULDERS, TYPE B
- ⑫ BRIDGE APPROACH PAVEMENT
- ⑬ HOT-MIX ASPHALT SHOULDERS (4" THICKNESS)
- ⑭ HOT-MIX ASPHALT SURFACE REMOVAL, BUTT-JOINT
- ⑮ STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ⑯ TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT)
- ⑰ STEEL PLATE BEAM GUARDRAIL, TYPE A
- ⑱ TRAFFIC BARRIER TERMINAL, TYPE 6
- ⑲ LEVELING BINDER (MACHINE METHOD), N70 (3/4" AND VARIES)
- ⑳ TOPSOIL FURNISH AND PLACE, 4"
- ㉑ BITUMINOUS MATERIALS (PRIME COAT)



**PAVEMENT TRANSITION DETAIL**

MIXTURE REQUIREMENTS			
LOCATION	AC TYPE	AIR VOIDS	MAX RAP %
HMA SURFACE COURSE, MIX "D", N70 (IL 9.5mm)	PG 64-22	4% @ 70 GYR.	10
HMA BINDER COURSE, IL-19.0, N70	PG 64-22 *	4% @ 70 GYR.	15
LEVELING BINDER (MACHINE METHOD), N70 (IL 9.5mm)	PG 64-22 *	4% @ 70 GYR.	10
HOT-MIX ASPHALT SHOULDERS, 4"	PG 64-22 *	2% @ 30 GYR.	50
TEMPORARY RAMP	PG 64-22 *	2% @ 30 GYR.	50

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

\* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.

**NOTES**

- 1) COST OF SAWCUT SHALL BE INCLUDED IN THE UNIT COST BID FOR HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT.

**HAMPTON, LENZINI & RENWICK, INC.**  
CIVIL & STRUCTURAL ENGINEERS  
LAND SURVEYORS

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ELGIN • SPRINGFIELD  
PROJECT NUMBER: 12-05-0050-1 DATE: 08/29/07  
DESIGNED: L.F.S. CHECKED: S.W.M. DRAWN: D.T.M.

**TYPICAL CROSS SECTIONS**

SECTION 01-00268-00-BR  
F.A.S. 2111 / FABYAN PARKWAY  
KANE COUNTY