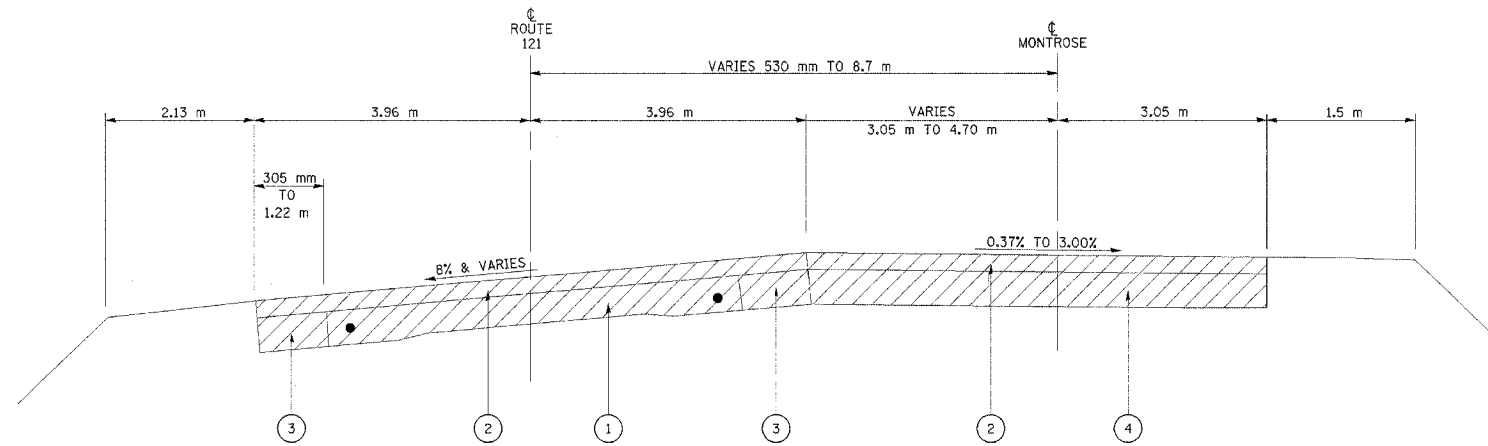


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	12BR-2	CUMBERLAND	32	4
STA.		TO STA.		
FED. ROAD DIST. NO. 5		ILLINOIS	FED. AID PROJECT	

90920



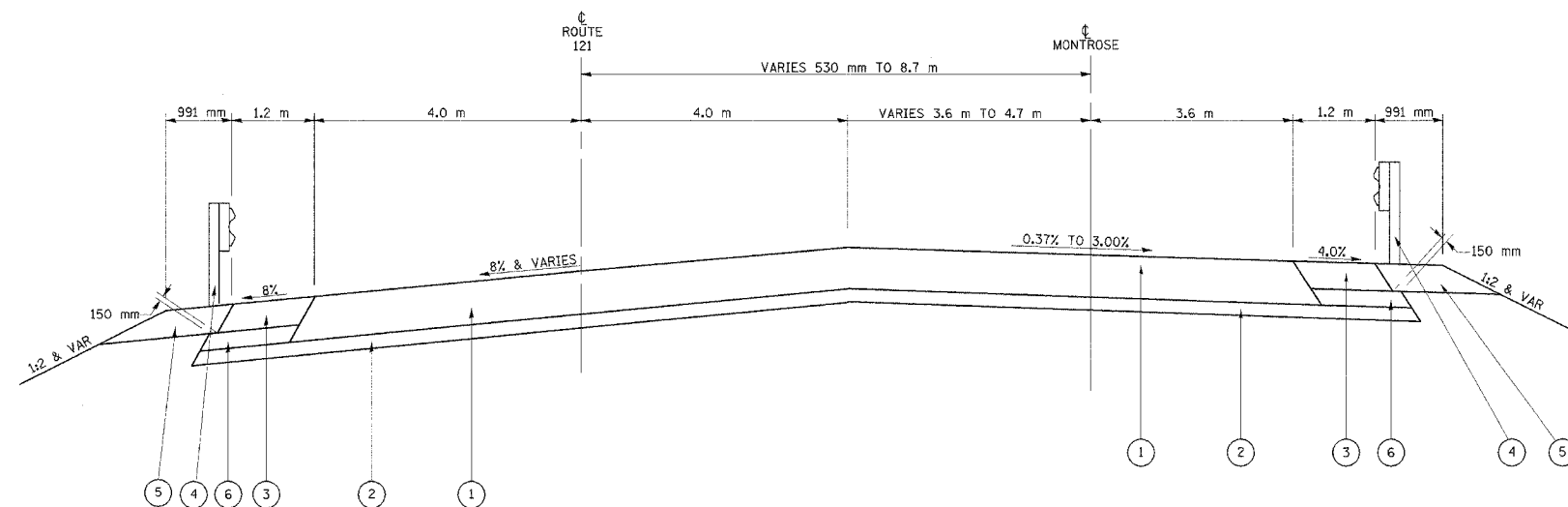
**EXISTING TYPICAL SECTION**

(MONTROSE) STATION 100+016.900 TO STATION 100+072.423

**EXISTING LEGEND**

- ① EXISTING CONCRETE PAVEMENT (229 mm X 152 mm X 229 mm)
- ② EXISTING BIT. CONC. OVERLAY, 108 mm & VAR.
- ③ EXISTING BITUMINOUS BASE COURSE (229 mm)
- ④ CONCRETE PAVEMENT

ITEMS TO BE REMOVED



**PROPOSED TYPICAL SECTION**

(MONTROSE) STATION 100+016.900 TO STATION 100+072.423

**PROPOSED LEGEND**

- ① BITUMINOUS CONCRETE PAVEMENT, (FULL DEPTH) SUPERPAVE, 320 mm
- ② PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B, 100 mm
- ③ PROPOSED BITUMINOUS SHOULDERS, SUPERPAVE, 200 mm
- ④ STEEL PLATE BEAM GUARDRAIL, TYPE A, LOCATION/OFFSET VARIES (SEE PLAN VIEW FOR EXACT LOCATION)
- ⑤ PROPOSED AGGREGATE SHOULDERS, TYPE B
- ⑥ SUB-BASE GRANULAR MATERIAL, TYPE B (M/TON)

• 50 mm BITUMINOUS CONCRETE SURFACE COURSE  
270 mm BITUMINOUS CONCRETE BINDER COURSE

**STRUCTURAL DESIGN INFORMATION**

ROAD CLASSIFICATION: CLASS II

STRUCTURAL DESIGN TRAFFIC:  
PV= 2980 SU= 168 MU= 212

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE  
P= 50 S= 50 M= 50

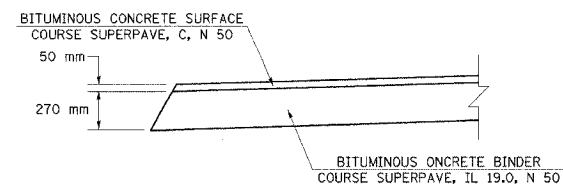
MINIMUM SUBGRADE SUPPORT RATING: 3.0

FLEXIBLE PAVEMENT DESIGN: MINIMUM  $T_F = 1.01$

SELECTED DESIGN AC = 20

AC THICKNESS 320 mm

RECOMMENDED PAVEMENT:  
BITUMINOUS SURFACE COURSE, 50 mm  
BITUMINOUS BINDER COURSE, 270 mm



**FULL DEPTH PAVEMENT DETAIL**

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**EXISTING & PROPOSED TYPICAL SECTION**

FAP 828, (MONTROSE RD.)  
CUMBERLAND COUNTY

DRAWN BY CLARK  
CHECKED BY STEUART

DATE 1/8/03

EXISTING & PROPOSED TYPICAL SECTION, FAP 828, (MONTROSE RD.)