

* TRANSITION PAVEMENT CROSS SLOPE FROM MATCH EXISTING (-2.9%) AT STA. 34+05 TO -2% AT STA. 34+40.
 TRANSITION PAVEMENT CROSS SLOPE FROM -2% AT STA. 42+75 TO MATCH EXISTING (-2.6%) AT STA. 43+05.

PROPOSED TYPICAL SECTION
VERNON AVENUE
 STA. 34+05 TO STA. 36+75
 STA. 41+60 TO STA. 43+05

*** SIDEWALK WIDTH TRANSITIONS FROM 4' AT STA. 34+05 TO 5' AT STA. 34+15.
 SIDEWALK WIDTH TRANSITIONS FROM 5' AT STA. 35+81 TO 8' AT STA. 36+00.

** TRANSITION PAVEMENT CROSS SLOPE FROM MATCH EXISTING (-3.3%) AT STA. 34+05 TO -2% AT STA. 34+40.
 SUPERELEVATION TRANSITION (-2% TO +2%) STA. 34+40 TO STA. 35+45
 FULL SUPERELEVATION (+2%) STA. 35+45 TO STA. 38+85
 SUPERELEVATION TRANSITION (+2% TO -2%) STA. 38+85 TO STA. 39+90
 TRANSITION PAVEMENT CROSS SLOPE FROM -2% AT STA. 40+90 TO -0.75% AT STA. 41+25
 TRANSITION PAVEMENT CROSS SLOPE FROM -0.75% AT STA. 41+25 TO -2% AT STA. 41+60
 TRANSITION PAVEMENT CROSS SLOPE FROM -2% AT STA. 42+75 TO MATCH EXISTING (-3.1%) AT STA. 43+05

SEE THE INTERSECTION DETAILS FOR ADDITIONAL INFORMATION

PROPOSED TYPICAL SECTION GENERAL NOTES

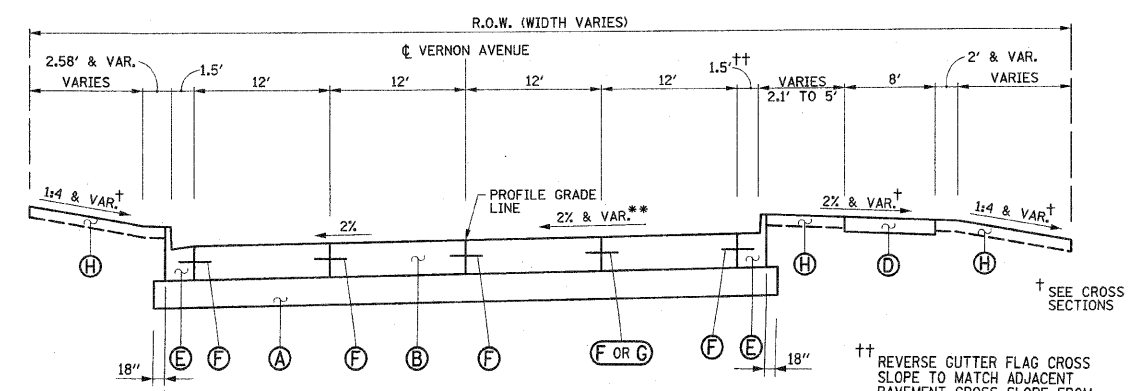
1. THE CURB AND GUTTER SHALL NOT BE POURED MONOLITHICALLY WITH THE PAVEMENT EXCEPT AT THE STUB LOCATIONS SHOWN ON THE PLANS. THE COST OF THE ADDITIONAL GUTTER FLAG WIDTH AT THE STUB LOCATIONS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED). TIE BARS SHALL BE REQUIRED BETWEEN THE PAVEMENT AND THE CURB AND GUTTER IN ACCORDANCE WITH STANDARD 606001.
2. THE COST OF CONSTRUCTING CURB AND GUTTER WITH VARYING CURB HEIGHTS, GUTTER FLAG SLOPES, AND GUTTER FLAG WIDTHS AT TRANSITION AREAS OR OTHER LOCATIONS SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER.
3. TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED AT 15' CENTERS IN THE PAVEMENT ON VERNON AVENUE AND AT 12' CENTERS IN THE PAVEMENT ON BROOKWOOD DRIVE AND KATHLEEN DRIVE IN ACCORDANCE WITH STANDARD 420001 AND AS DIRECTED BY THE ENGINEER. THE DOWEL BARS SHALL HAVE A DIAMETER OF 1". ALL TRANSVERSE CONTRACTION JOINTS IN THE PAVEMENT SHALL EXTEND THROUGH THE ADJACENT CURB AND GUTTER.
4. ALL SAWED JOINTS IN THE PAVEMENT AND CURB AND GUTTER SHALL BE SEALED WITH A JOINT SEALER MEETING THE REQUIREMENTS OF ARTICLES 420.12 AND 606.07.
5. LONGITUDINAL AND TRANSVERSE JOINTS SHALL BE PLACED AT THE LOCATIONS SHOWN ON THE PAVEMENT JOINT PLANS.
6. ALL DOWEL BARS AND TIE BARS SHALL BE EPOXY COATED.
7. THE FINISHED EARTHWORK SHALL HAVE VEGETATIVE SUSTAINING TOPSOIL COVERING THE TOP 4" OF AREAS TO BE SEED. THE FURNISHED TOPSOIL SHALL MEET THE REQUIREMENTS OF ARTICLE 1081.05 OF THE STANDARD SPECIFICATIONS OR BE APPROVED BY THE ENGINEER. THE VEGETATIVE SUSTAINING TOPSOIL REQUIRED WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR TOPSOIL FURNISH AND PLACE, 4".
8. ALL EXPOSED EARTH AREAS SHALL BE FERTILIZED, SEED, AND COVERED WITH MULCH IN ACCORDANCE WITH SECTIONS 250 AND 251 OF THE STANDARD SPECIFICATIONS. SEEDING, CLASS 1A AND MULCH, METHOD 2 SHALL BE USED FOR THE AREAS TO BE SEED AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.
9. PROTECTIVE COAT SHALL BE APPLIED TO THE PAVEMENT AND THE CURB AND GUTTER AS REQUIRED BY ARTICLE 420.18 OF THE STANDARD SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.
10. SEE THE PLAN AND PROFILE SHEETS AND THE HORIZONTAL ALIGNMENT LAYOUT AND CONTROL PLAN FOR DETAILED LOCATIONS OF EDGES OF PAVEMENTS, CURBS AND GUTTERS, SIDEWALKS, GUARDRAIL, AND RIGHT-OF-WAY LINES. SEE THE CROSS SECTIONS FOR DETAILED SIDE SLOPE RATIOS.
11. THE SUBGRADE SHALL BE PREPARED AND COMPACTED IN ACCORDANCE WITH SECTION 301 OF THE STANDARD SPECIFICATIONS AND THE IDOT SUBGRADE STABILITY MANUAL. IF THE REQUIRED DENSITY AND STABILITY CANNOT BE ATTAINED IT WILL BE NECESSARY TO UNDERCUT AND REMOVE EARTH AND ORGANIC MATERIAL BELOW THE PROPOSED PAVEMENT SYSTEM TO A DEPTH OF 12" AS DIRECTED BY THE ENGINEER. ALL UNSTABLE, UNSUITABLE, OR ORGANIC MATERIAL SHALL BE DISPOSED OF AS DIRECTED BY THE ENGINEER. MATERIALS THAT ARE UNDERCUT AND REMOVED BELOW THE PROPOSED PAVEMENT SYSTEM WHERE THE REQUIRED DENSITY AND STABILITY CANNOT BE ATTAINED SHALL BE MEASURED AND PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL. SEE THE "SUBGRADE REMOVAL AND REPLACEMENT DETAIL" ON THE MISCELLANEOUS DETAIL SHEETS FOR ADDITIONAL INFORMATION.

PROPOSED TYPICAL SECTION KEY

- (A) AGGREGATE BASE COURSE, TYPE A 12"
- (B) PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)
- (C) BRIDGE APPROACH PAVEMENT CONNECTOR (PCC) - STD. 420401 (THICKNESS VARIES 8" TO 15")
- (D) PORTLAND CEMENT CONCRETE SIDEWALK 6"
- (E) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (SPECIAL) - STD. 606001
- (F) LONGITUDINAL CONSTRUCTION JOINT - STD. 420001 (KEYED JOINTS WILL NOT BE ALLOWED)
- (G) LONGITUDINAL SAWED JOINT - STD. 420001
- (H) TOPSOIL FURNISH AND PLACE, 4"; SEEDING, CLASS 1A
- (I) STABILIZED SUB-BASE 4"

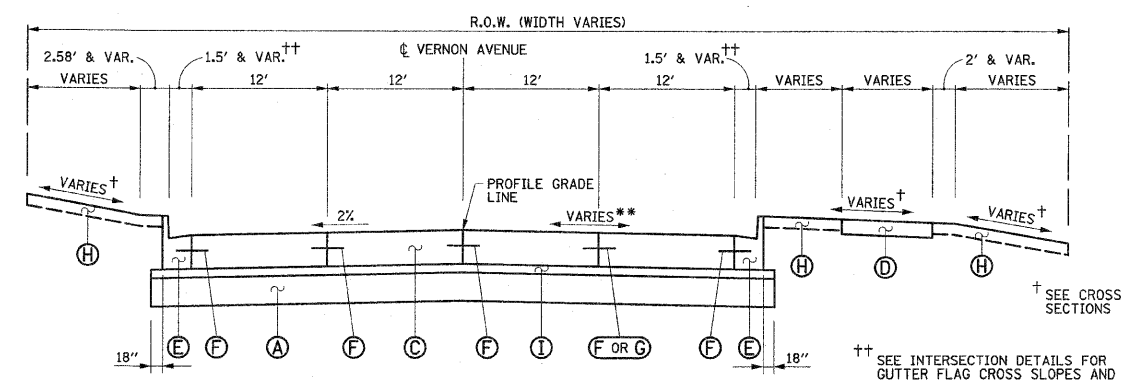
STRUCTURAL PAVEMENT DESIGN INFORMATION

STRUCTURAL DESIGN TRAFFIC: YEAR 2020
PV = 14,798 SU = 226 MU = 76
STREET CLASSIFICATION: CLASS I
LOAD LIMIT: 80,000 LB.
TRAFFIC FACTOR: TF = 0.8
SUBGRADE SUPPORT RATING: SSR = POOR
MINIMUM STRUCTURAL DESIGN REQUIREMENTS: PORTLAND CEMENT CONCRETE PAVEMENT = 8" AGGREGATE BASE COURSE, TYPE A = 12"



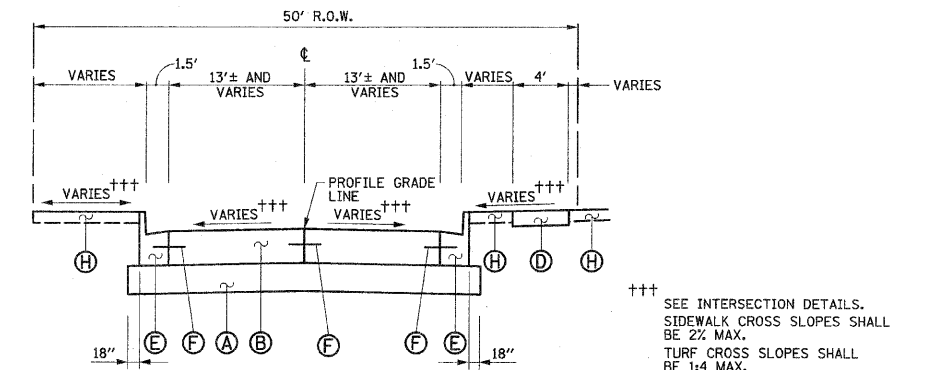
PROPOSED TYPICAL SECTION
VERNON AVENUE
 STA. 36+75 TO STA. 39+12

++ REVERSE GUTTER FLAG CROSS SLOPE TO MATCH ADJACENT PAVEMENT CROSS SLOPE FROM STA. 37+65.37 TO STA. 38+85. SEE INTERSECTION DETAILS FOR GUTTER FLAG TRANSITIONS.



PROPOSED TYPICAL SECTION
VERNON AVENUE
 BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)
 (SEE STANDARD 420401)
 STA. 39+12 TO STA. 39+53.94
 STA. 41+18.06 TO STA. 41+60

SEE THE BRIDGE PLANS FOR STATION 39+53.94 TO STATION 41+18.06



PROPOSED TYPICAL SECTION
BROOKWOOD DRIVE
KATHLEEN DRIVE
 STA. 200+00 TO STA. 200+85 (BROOKWOOD DRIVE)
 STA. 300+00 TO STA. 300+58 (KATHLEEN DRIVE)

+++ SEE INTERSECTION DETAILS. SIDEWALK CROSS SLOPES SHALL BE 2% MAX. TURF CROSS SLOPES SHALL BE 1:4 MAX.

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	DATE - 06/2010	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS

SCALE: NONE	SHEET NO. 8 OF 64 SHEETS	STA. 34+05.00 TO STA. 43+05.00
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6354	06-00230-00-BR	MCLEAN	64	8
VERNON AVENUE, TOWN OF NORMAL			CONTRACT NO. 91430	
FED. ROAD DIST. NO. 5 ILLINOIS FED. AID PROJECT				