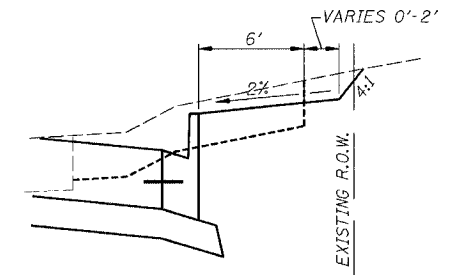
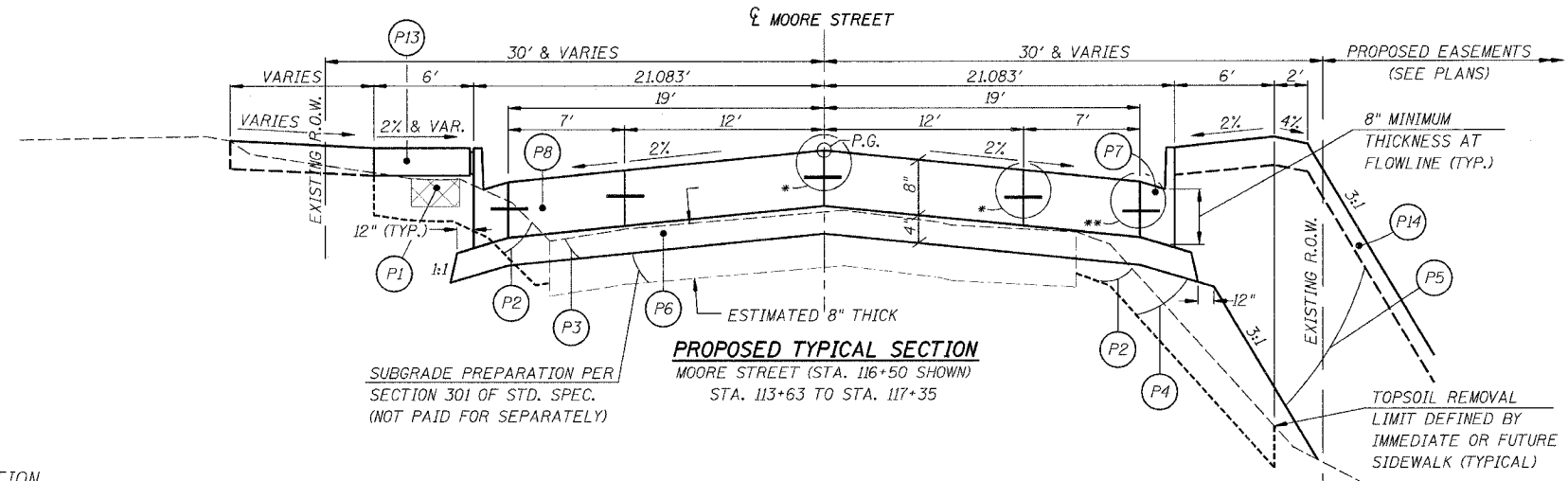


|                     |                |                  |              |           |
|---------------------|----------------|------------------|--------------|-----------|
| F.A.U. RTE.         | SECTION        | COUNTY           | TOTAL SHEETS | SHEET NO. |
| 9315                | 00-00032-00-RP | MONROE           | 49           | 4         |
| STA.                | TO STA.        |                  |              |           |
| FED. ROAD DIST. NO. | ILLINOIS       | FED. AID PROJECT |              |           |

CONTRACT NO. 97264



TREATMENT IN "CUT"

**PAVEMENT DESIGN INFORMATION**

(IN ACCORDANCE WITH IDOT LOCAL ROADS, MECHANISTIC-BASED PAVEMENT DESIGN PROCEDURES FOR RIGID PAVEMENT & BLR #95-11)  
 STRUCTURAL DESIGN TRAFFIC:  
 DESIGN YEAR: 2015  
 DESIGN YEAR ADT: 4290  
 94.2% P.V., 4.7% S.U., 1.1% M.U.

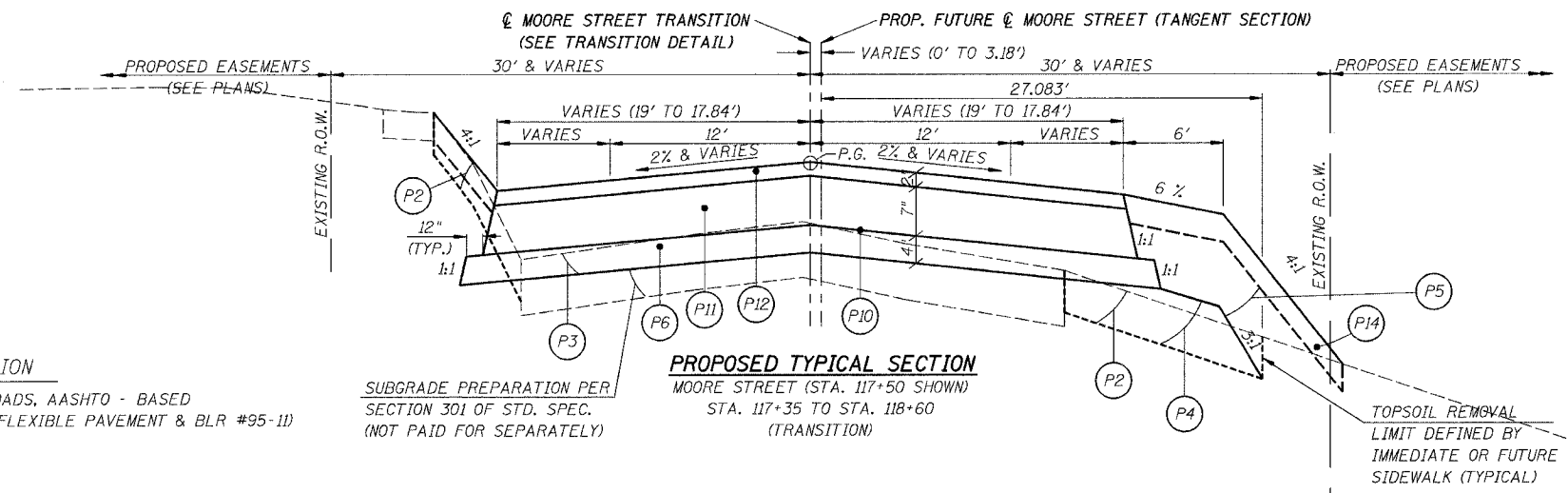
ROAD/STREET CLASSIFICATION: CLASS II  
 TRAFFIC FACTOR = 0.55  
 SUBGRADE SUPPORT RATING: POOR  
 PAVEMENT STRUCTURE MATERIALS: 8" NON-REINFORCED JOINTED P.C.C. PAVEMENT ON 4" AGGREGATE SUB-BASE, 15' MAXIMUM JOINT SPACING

**PROPOSED TYPICAL SECTION LEGEND**

- (P1) PAVEMENT REMOVAL, SIDEWALK REMOVAL, AND OTHER REMOVALS DENOTED ELSEWHERE IN THE PLANS
- (P2) TOPSOIL REMOVAL, 6" (NOT A PAY ITEM. SEE EARTHWORK SCHEDULE.)
- (P3) EARTH EXCAVATION (EXIST. OIL AND CHIP PAVT. IN SOME AREAS. SEE EARTHWORK SCHEDULE.)
- (P4) EMBANKMENT (NOT A PAY ITEM. SHOWING PLACEMENT FOR CURB INSTALLATION IN FILL SECTIONS.)
- (P5) EMBANKMENT (NOT A PAY ITEM. INCL. FURNISHED EXCAV. SEE E. WORK SCHED.)
- (P6) SUBBASE GRANULAR MATERIAL, TYPE A, 4"
- (P7) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- (P8) PORTLAND CEMENT CONCRETE PAVEMENT, 8" (JOINTED)
- (P9) SUBBASE GRANULAR MATERIAL, TYPE A, 8"
- (P10) BITUMINOUS MATERIALS (PRIME COAT) + AGGREGATE (PRIME COAT)
- (P11) BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50
- (P12) BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50
- (P13) PORTLAND CEMENT CONCRETE SIDEWALK, 4"
- (P14) TOPSOIL FURNISH AND PLACE, 4"

\* NO. 6 BARS, EPOXY-COATED, 30" LONG, AT 30" CENTERS (TYPICAL) "SAWED LONGITUDINAL JOINT" PER IDOT HWY. STD. 420001. NOTE THAT IF ADJOINING PANELS ARE POURED IN THE SAME POUR, THE JOINT DOES NOT NEED TO BE SAWN AFTER PLACEMENT.

\*\* NO. 6 BARS, EPOXY-COATED, 30" LONG, AT 24" CENTERS (TYPICAL) IF CURB AND GUTTER IS POURED MONOLITHICALLY WITH ADJOINING PAVEMENT, THE GUTTER PAN MUST BE 6% PER IDOT HWY. STD. 606001. TIE BARS CANNOT BE OMITTED W/MONOLITHIC POUR. THE EDGE OF PAVEMENT MUST BE SAWN AND SEALED, PER IDOT HWY. STD. 420001'S "SAWED LONGITUDINAL JOINT", IF CURB IS POURED MONOLITHICALLY. IF CURB IS POURED SEPARATE, BAR MUST STILL BE PLACED, BUT SAWN AND SEALED JOINT IS NOT REQUIRED.



**PAVEMENT DESIGN INFORMATION**

(IN ACCORDANCE WITH IDOT LOCAL ROADS, AASHTO - BASED PAVEMENT DESIGN PROCEDURES FOR FLEXIBLE PAVEMENT & BLR #95-11)  
 STRUCTURAL DESIGN TRAFFIC:  
 DESIGN YEAR: 2015  
 DESIGN YEAR ADT: 4290  
 94.2% P.V., 4.7% S.U., 1.1% M.U.

ROAD/STREET CLASSIFICATION: CLASS II  
 TRAFFIC FACTOR = 0.41  
 SUBGRADE SUPPORT RATING: POOR  
 STRUCTURAL NUMBER, D<sub>f</sub> = 3.6

PAVEMENT STRUCTURE MATERIALS:  
 SURFACE COURSE TYPE: BITUMINOUS; a1 = 0.4  
 BASE COURSE TYPE: BITUMINOUS; a2 = 0.33  
 SUBBASE TYPE: AGGREGATE (CRUSHED); a3 = 0.14

**BITUMINOUS MIXTURE - CONTROL TABLE**

| MIXTURE USE                         | SURFACE         | BINDER         |
|-------------------------------------|-----------------|----------------|
| AC/PG                               | PG 64-22        | PG 64-22       |
| RAP % (MAX.)                        | 15%             | 25%            |
| DESIGN AIR VOIDS                    | 4.0% @ Ndes=50  | 4.0% @ Ndes=50 |
| MIX COMPOSITION (GRADATION MIXTURE) | IL-9.5, IL-12.5 | IL-19.0        |
| FRICTION AGGREGATE                  | MIXTURE C       |                |

ILLINOIS DEPARTMENT OF TRANSPORTATION

**PROPOSED TYPICAL SECTIONS**

SCALE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
 DATE \_\_\_\_\_ CHECKED BY \_\_\_\_\_

CADD FILE: 4690/FBhp-pr1.dgn Aug. 2004 crw  
 PLOTTED: 10/21/2005

H.M. & G. INC. 4690