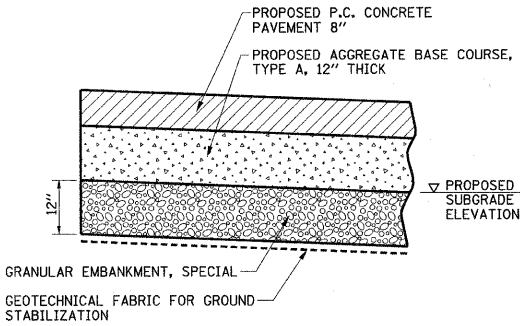


PROPOSED TYPICAL SECTION NOTES

1. SEE INTERSECTION AND PAVEMENT JOINT DETAILS FOR LOCATIONS OF LONGITUDINAL AND TRANSVERSE JOINTS.
2. SEE PLAN AND PROFILE SHEETS AND HORIZONTAL ALIGNMENT AND CONTROL SHEETS FOR DETAILED LOCATIONS OF EDGES OF PAVEMENTS, CURBS AND GUTTERS, SIDEWALKS, RIGHT-OF-WAY LINES AND TEMPORARY CONSTRUCTION EASEMENTS. SEE CROSS SECTIONS FOR EXACT SIDE SLOPE RATIOS.
3. THE CURB AND GUTTER SHALL NOT BE POURED MONOLITHIC WITH THE P.C. CONCRETE PAVEMENT EXCEPT AT THE STUB LOCATIONS SHOWN ON THE PLANS. TIE BARS BETWEEN THE PAVEMENT AND THE CURB AND GUTTER WILL BE REQUIRED. THE COST OF ADDITIONAL GUTTER FLAG WIDTH WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR THE SPECIFIED TYPE OF P.C. CONCRETE PAVEMENT.
4. ALL SAWED TRANSVERSE CONTRACTION JOINTS AND EXPANSION JOINTS IN THE P.C. CONCRETE PAVEMENT MUST EXTEND THROUGH THE COMBINATION CONCRETE CURB AND GUTTER.
5. SAWED TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED AT 15 FOOT CENTERS MAXIMUM IN THE P.C. CONCRETE PAVEMENT OR AS DIRECTED BY THE ENGINEER (STD. 420001). ALL DOWEL BARS 18" LONG AT 12" CENTERS SHALL BE CENTERED ACROSS THE CONTRACTION JOINTS. THE DOWEL BARS SHALL BE 1" DIAMETER FOR THE 8" THICK PAVEMENTS.
6. TRANSVERSE CONSTRUCTION JOINTS SHALL MATCH THE LOCATION OF THE SAWED TRANSVERSE CONTRACTION JOINTS OR EXPANSION JOINTS SHOWN ON THE PAVEMENT JOINTING PLANS AND SHALL BE AS SHOWN ON STANDARD 420101. TRANSVERSE CONSTRUCTION JOINTS SHALL NOT BE PLACED LESS THAN 15 FEET FROM A TRANSVERSE CONSTRUCTION OR EXPANSION JOINT. THE CONSTRUCTION JOINTS THAT COINCIDE WITH CONTRACTION JOINTS SHALL HAVE SMOOTH EPOXY COATED DOWEL BARS 1" DIAMETER, 18" LONG PLACED AT 12" SPACING'S AND CENTERED ACROSS THE JOINT. CONSTRUCTION JOINTS THAT COINCIDE WITH EXPANSION JOINTS SHALL BE DOWELED AS SHOWN ON STANDARD 420001.
7. TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 420 OF THE STANDARD SPECIFICATIONS. THE COST OF FURNISHING AND INSTALLING THE TRANSVERSE CONSTRUCTION JOINTS, INCLUDING DRILLING AND GROUTING, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE VARIOUS CURB AND GUTTER AND/OR PAVEMENT PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
8. TRANSVERSE EXPANSION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 420001 EXCEPT THAT THE WIDTH OF THE EXPANSION JOINTS SHALL BE 1" MAXIMUM AND THE DOWEL BARS SHALL BE 1" DIAMETER.
9. WHEN LONGITUDINAL CONSTRUCTION JOINTS ARE CONSTRUCTED IN THE PAVEMENT, THE JOINTS SHALL BE TIED WITH NO. 6 EPOXY COATED TIE BARS SPACED AT 24" CENTERS AS SHOWN ON STANDARD 420001. SEE THE PROPOSED TYPICAL SECTION KEY, WHERE THE PAVEMENT WIDTH IS 60 FEET OR GREATER ONE OF THE LONGITUDINAL JOINTS SHALL BE CONSTRUCTED WITH NO. 6 EPOXY COATED SMOOTH DOWEL BARS 24" LONG AT 24" CENTERS TO PREVENT LONGITUDINAL CRACKING. SEE THE PAVEMENT JOINTING PLANS FOR ADDITIONAL INFORMATION.
10. ALL SAWED JOINTS IN BOTH THE EXISTING AND PROPOSED P.C. CONCRETE PAVEMENTS AND THE COMBINATION CONCRETE CURB AND GUTTER SHALL BE SEALED WITH A JOINT SEALER MEETING THE REQUIREMENTS OF ARTICLES 420.02 AND 606.02 OF THE STANDARD SPECIFICATIONS.
11. SEE STANDARD 420111 FOR CONSTRUCTION DETAILS WHERE INLETS OR MANHOLES ARE LOCATED WITHIN THE PAVEMENT AREA.
12. THE COMBINATION CONCRETE CURB AND GUTTER SHALL BE CONSTRUCTED WITH REVERSE AND VARYING GUTTER FLAG SLOPES AT LOCATIONS SHOWN ON THE PLANS. THE COST OF CONSTRUCTING THE COMBINATION CONCRETE CURB AND GUTTER WITH REVERSE AND VARYING GUTTER FLAG SLOPES WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE SPECIFIED COMBINATION CONCRETE CURB AND GUTTER.
13. SAWED CONTRACTION JOINTS 2" DEEP SHALL BE PLACED AT 15 FOOT MAXIMUM CENTERS IN THE COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 AND THE JOINTS SHALL BE SEALED. THIS WORK SHALL BE IN ACCORDANCE WITH ARTICLE 606.07 OF THE STANDARD SPECIFICATIONS.
14. THE WIDTH OF MEASUREMENT FOR THE AGGREGATE BASE COURSE MATERIAL SHALL BE THE TOP WIDTH AS SHOWN IN THE TYPICAL SECTIONS.
15. THE SUBGRADE SHALL BE PREPARED AND COMPACTED IN ACCORDANCE WITH SECTION 301 OF THE STANDARD SPECIFICATIONS AND THE I.D.O.T. SUBGRADE STABILITY MANUAL. IF THE REQUIRED DENSITY AND STABILITY CAN NOT 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 REMOVED AND ARE NOT CLASSIFIED AS EARTH EXCAVATION OR TOPSOIL REMOVAL SHALL BE MEASURED AND PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL. THE GRANULAR EMBANKMENT, SPECIAL MATERIAL MUST MEET THE GRADATION REQUIREMENTS LISTED IN THE SPECIAL PROVISIONS. THE I.D.O.T. GEOTECHNICAL ENGINEER MUST APPROVE THE SOURCE AND GRADATION OF THE GRANULAR EMBANKMENT, SPECIAL MATERIAL PRIOR TO ITS USE. SEE THE "SUBGRADE REMOVAL AND REPLACEMENT DETAIL" ON THIS SHEET FOR ADDITIONAL INFORMATION.
16. THE TOPSOIL SHALL BE REMOVED TO A DEPTH OF 12" WITHIN THE LIMITS OF ALL PROPOSED PAVED AREAS AS SHOWN ON THE CROSS SECTIONS AND SHALL BE STOCKPILED AND USED FOR TOPSOIL PLACEMENT. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR TOPSOIL EXCAVATION AND PLACEMENT. THE EXCESS VOLUME OF TOPSOIL EXCAVATED AND NOT USED FOR TOPSOIL PLACEMENT SHALL BE PLACED AS EMBANKMENT IN FILL AREAS BEHIND THE PROPOSED BACK OF CURBS. TOPSOIL WILL NOT BE ALLOWED TO BE PLACED AS FILL UNDER PAVEMENTS OR SIDEWALKS. THE EXCESS VOLUME OF TOPSOIL EXCAVATED WHICH IS NOT USED FOR TOPSOIL PLACEMENT AND IS PLACED IN THE EMBANKMENT AREAS OR IS WASTE AND IS REMOVED AND DISPOSED OF OFF THE SITE WILL BE PAID FOR AS EARTH EXCAVATION. EMBANKMENT WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE OTHER EARTHWORK ITEMS.
17. THE FINISHED EARTHWORK SHALL HAVE VEGETATIVE SUSTAINING SOIL COVERING THE TOP 6" OF AREAS TO BE SODDED OR SEEDED. THE CONTRACTOR SHALL STOCKPILE TOPSOIL FROM THE EXCAVATION OPERATIONS. THE TOPSOIL SHALL MEET THE REQUIREMENTS OF ARTICLE 1081.05 OF THE STANDARD SPECIFICATIONS OR BE APPROVED BY THE ENGINEER. THE VEGETATIVE SUSTAINING SOIL REQUIRED WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR TOPSOIL EXCAVATION AND PLACEMENT. THE TOPSOIL SHALL BE STOCKPILED IN AREAS APPROVED BY THE ENGINEER.
18. ALL EXPOSED EARTH AREAS SHALL BE SEEDED, FERTILIZED, AND MULCHED IN ACCORDANCE WITH SECTIONS 250 AND 251 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS. SEEDING, CLASS 1 (SPECIAL) AND MULCH (SPECIAL) SHALL BE USED. SUPPLEMENTAL WATERING SHALL BE DONE AS DESCRIBED IN THE SPECIAL PROVISIONS.



- NOTES:
1. THIS WORK SHALL BE CONSTRUCTED AT LOCATIONS AS DIRECTED BY THE ENGINEER. SEE NOTE 15 FOR ADDITIONAL INFORMATION.
 2. THE WORK SHALL BE IN ACCORDANCE WITH SECTION 210 OF THE STANDARD SPECIFICATIONS. THE GRANULAR EMBANKMENT, SPECIAL WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON. THE GEOTECHNICAL FABRIC FOR GROUND STABILIZATION WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD. THE EARTH REMOVAL BELOW THE PROPOSED SUBGRADE ELEVATION LINE WILL BE PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL.

SUBGRADE REMOVAL AND REPLACEMENT DETAIL
(SEE NOTE 15)

STRUCTURAL PAVEMENT DESIGN INFORMATION			
FIRST STREET			
STRUCTURAL DESIGN TRAFFIC:		YEAR <u>2019</u>	
PV = <u>14668</u>	SU = <u>304</u>	MU = <u>228</u>	
ROAD/STREET CLASSIFICATION:		CLASS <u>I</u>	
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:			
P = <u>50%</u>	S = <u>50%</u>	M = <u>50%</u>	
TRAFFIC FACTOR:		TF = <u>1.84</u>	
SUBGRADE SUPPORT RATING:		SSR = "POOR"	
MINIMUM STRUCTURAL DESIGN		REQUIREMENTS:	
P.C. CONCRETE PAVEMENT		= <u>8"</u>	
AGGREGATE BASE COURSE,		= <u>12"</u>	
TYPE A			

FILE NAME = p:\00010461\Plans\sheets\typsec-prop.dgn PLOT DATE = 2/9/2009 1:32:45 PM	DESIGNED - R.L.H.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS NOTES AND TABLES			F.A.U. RTE. 7170	SECTION 08-00277-00-PV	COUNTY CHAMPAIGN	TOTAL SHEETS 44	SHEET NO. 10
	DRAWN - J.L.B.	REVISED -									
	CHECKED - J.T.P.	REVISED -									
	DATE - 2-09	REVISED -									
				SCALE : NONE	SHEET NO. 10 OF 44 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HD-5181 (044) CONTRACT NO. 91397			