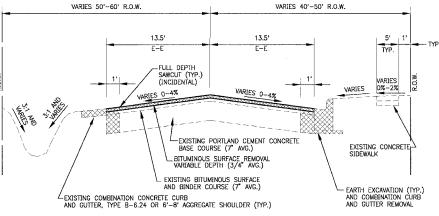
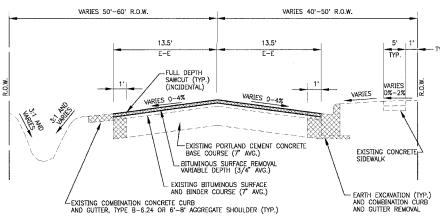
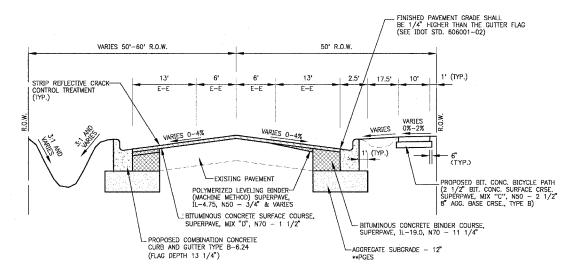
CONTRACT NO. 83786

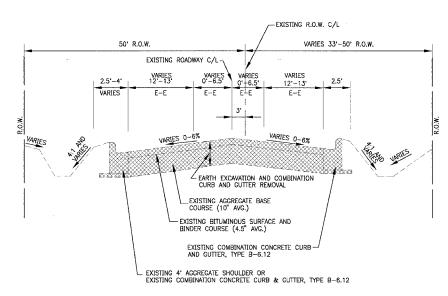




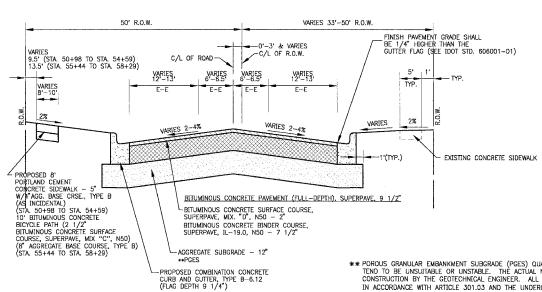
U.S. ROUTE 52 EXISTING TYPICAL SECTION



U.S. ROUTE 52 PROPOSED TYPICAL SECTION



RIVER ROAD EXISTING TYPICAL SECTION



** POROUS GRANULAR EMBANKMENT SUBGRADE (PGES) QUANTITY HAS BEEN INCLUDED IN CONTRACT FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.33 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH PGE OR EMBANKMENT AS DETERMINED BY THE GEOTECHNICAL ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

STRUCTURAL DESIGN DATA

RIVER ROAD PROPOSED TYPICAL SECTION

STREET		STRUCTUR SIGN TRA 2015			TRAFFIC FACTOR	SSR	TEMP	STRAIN	AC	EAC	REQ'D BIT. THICKNESS	MECHANISTIC PAVEMENT DESIGN
	PV	SU	MU									
u. s. Route 52	5424	154	450	11	3. 83	POOR	78* F	69	PG 58- 22	500	13. 5*	1 1/2' BIT. CONC. SURF. CRSE., SUPERPAVE, MIX D, N7O 3/4' POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE, IL-4.75, N5 11 1/4' BIT. CONC. BINDER CRSE., SUPERPAVE, IL-19, N7O 12' AGGREGATE SUBGRADE
RIVER ROAD	3336	70	70	II	0. 71	POOR	78 ° F	118	PG 58-	500	9. 50°	2' BIT. CDNC. SURF. CRSE., SUPERPAVE, MIX D, NSO 7 1/2' BIT. CDNC. BINDER CRSE., SUPER PAVE, IL-19, NSO 12' AGGREGATE SUBGRADE

MIXTURE REQUIREMENTS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT						
ITEM	AC TYPE	VOIDS	RAP %			
BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N70	PG 64-22	4% @ 70 Gyr	15%			
BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N50	PG 58-22	4% @ 50 Gyr	25%			
BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70	PG 64-22	4% @ 70 Cyr	10%			
BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N50	PG 64-22	4% @ 50 Gyr	15%			
BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	PG 64-22	4% @ 50 Gyr	15%			
POLYMERIZED LEVELING BINDER (MACHINE METHOD) SUPERPAYE, IL-4.75, N50	SBS/SBR PG76-26	2.5% Ø 50 Gyr	0%			
BITUMINOUS BASE COURSE, SUPERPAVE	PG 58-22	2% @ 50 Gyr	50%			
CLASS D PATCHES, 14 - INCH	PG 64-22	4% 	15%			
INCIDENTAL BITUMINOUS SURFACING, SUPERPAVE	PG 64-22	4% @ 50 Gyr	15%			

CONSULTANTS	REV. NO.	DATE		DESCRIPTION	
	1	12-21-04	PER I.D.O.T. REVIEW		
* REFER TO EQUIPMENT MANUFACTURER'S SHOP	DRAWINGS DRAWING	FILE: 10	665 TYPSEC.DWG	PLOTTED BY: UKB 04/JAN/05	11:15



Baxter & Woodman Crystal Lake, Illinois 815.489.1260
Burlington, Wisconsin 262.763.7834
Mokena, Illinois 708.478.2090
DeKaib, Illinois 915.787.3111
Crayslake, Illinois 847.223.5088
Rockford, Illinois 815.489.1551

VILLAGE OF SHOREWOOD, ILLINOIS U.S. ROUTE 52 IMPROVEMENTS

STRUCTURAL DESIGN DATA **AND TYPICAL SECTIONS**

DESIGNED BY	SCALE	
LDH	NONE	
DRAWN BY	PROJECT NO.	
DEK	010665	
CHECKED BY	SHEET NO.	
LDH		
DATE	9 OF	25
10-05-04	3 UI	UU