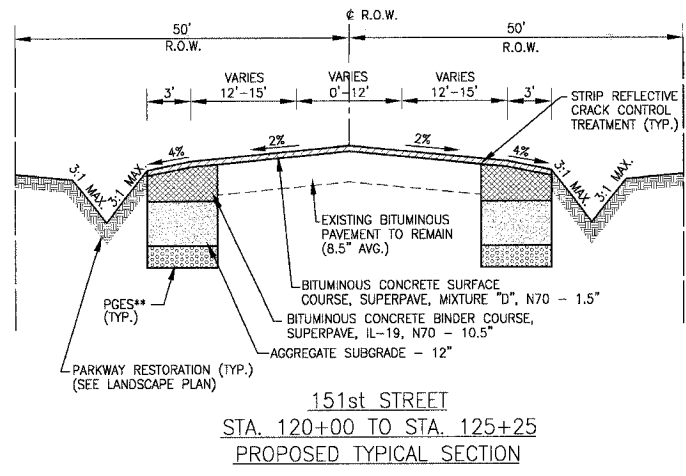
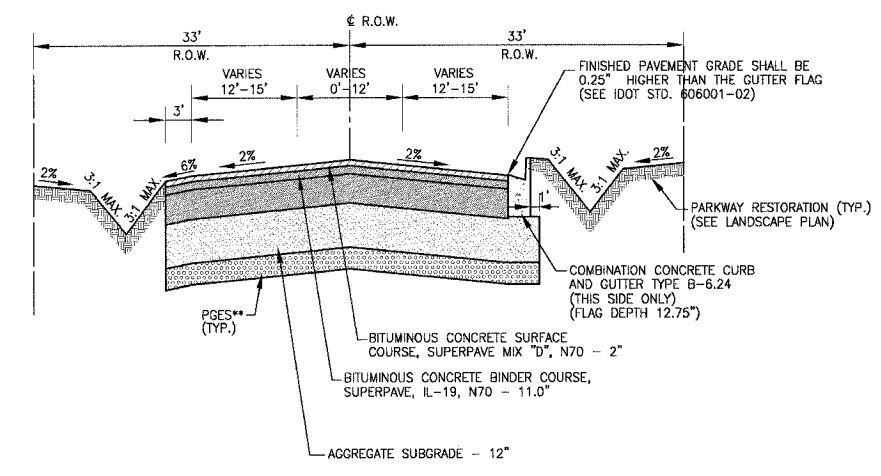


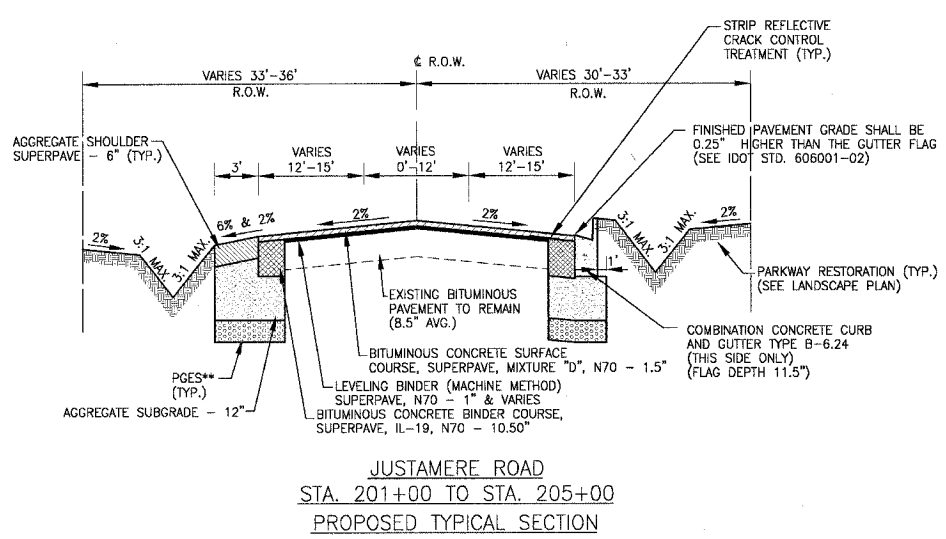
CONTRACT NO. 83727



151st STREET
STA. 120+00 TO STA. 125+25
PROPOSED TYPICAL SECTION



JUSTAMERE ROAD
STA. 200+21 TO STA. 201+00
PROPOSED TYPICAL SECTION



JUSTAMERE ROAD
STA. 201+00 TO STA. 205+00
PROPOSED TYPICAL SECTION

MIXTURE REQUIREMENTS
THE UNIT WEIGHT USED TO CALCULATE ALL BITUMINOUS SURFACE MIXTURES IS 112 LBS/SQYD/IN
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 SURFACE COURSE, SUPERPAVE, MIX "D", N70	PG 64-22	4% @ 70 Gyr	10%
DRIVEWAY MIXES (BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX. "C", N50)	PG 64-22	4% @ 50 Gyr	15%
LEVELING BINDER (MACHINE METHOD) SUPERPAVE, N70	PG 64-22	4% @ 70 Gyr	10%
CLASS D PATCHES, 9-INCH / IL-19	PG 64-22	4% @ 70 Gyr	15%
INCIDENTAL BITUMINOUS SURFACING (BIT. CONC. SURFACE CSE, SUPERPAVE, MIX "C", N50) *	PG 64-22	4% @ 50 Gyr	15%
BITUMINOUS REPLACEMENT OVER PATCHES, IL-19	PG 64-22	4% @ 70 Gyr	15%

* = TO BE USED IN PARKING LOT SURFACING, RAMPS, BIKE PATH, AND WHERE DIRECTED BY ENGINEER

PARKWAY RESTORATION:

PARKWAY RESTORATION SHALL BE PAID AS THE FOLLOWING ITEMS IN AREAS ADJACENT TO RESIDENTIAL OR COMMERCIAL PROPERTIES, AND WHERE DIRECTED BY THE ENGINEER:

- TOPSOIL FURNISH AND PLACE, 4"
- SODDING, SALT TOLERANT
- NITROGEN, PHOSPHOROUS, AND POTASSIUM NUTRIENTS
- SUPPLEMENTAL WATERING

PARKWAY RESTORATION SHALL BE PAID AS THE FOLLOWING ITEMS IN AREAS ADJACENT TO FOREST PRESERVE, UNDEVELOPED PROPERTY, AND WHERE DIRECTED BY THE ENGINEER:

- TOPSOIL FURNISH AND PLACE, 4"
- SEEDING, CLASS 2A
- NITROGEN, PHOSPHOROUS, AND POTASSIUM NUTRIENTS
- EROSION CONTROL BLANKET
- SUPPLEMENTAL WATERING

STRUCTURAL DESIGN DATA

STREET	STRUCTURAL DESIGN TRAFFIC 2013			STREET CLASS	TRAFFIC FACTOR	SSR	TEMP	STRAIN	AC	EAC	REQ'D BIT. THICKNESS	CHOSEN MECHANISTIC PAVEMENT DESIGN
	PV	SU	MU									
OAK PARK AVENUE	9474	563	184	II	2.71	PODR	78°F	77	20	590	11.75"	1.5" BIT. CONC. SURF. CRSE., SUPERPAVE, MIX D, N70 1" & VARIES LEVELING BINDER (MACHINE METHOD), SUPERPAVE, N70 10.5" BIT. CONC. BINDER CRSE., SUPERPAVE, IL-19, N70 12" AGGREGATE SUBGRADE, TYPE B
147th STREET	9248	549	180	II	2.71	PODR	78°F	77	20	590	11.75"	1.5" BIT. CONC. SURF. CRSE., SUPERPAVE, MIX D, N70 1" & VARIES LEVELING BINDER (MACHINE METHOD) SUPERPAVE, N70 10.5" BIT. CONC. BINDER CRSE., SUPERPAVE, IL-19, N70 12" AGGREGATE SUBGRADE, TYPE B
JUSTAMERE ROAD	4929	292	95	II	2.71	PODR	78°F	77	20	590	11.75"	1.5" BIT. CONC. SURF. CRSE., SUPERPAVE, MIX D, N70 1" & VARIES LEVELING BINDER (MACHINE METHOD) SUPERPAVE, N70 10.5" BIT. CONC. BINDER CRSE., SUPERPAVE, IL-19, N70 12" AGGREGATE SUBGRADE, TYPE B
151st STREET	1153	61	0	II	0.50	PODR	78°F	130	20	590	9.0"	1.5" BIT. CONC. SURF. CRSE., SUPERPAVE, MIX D, N70 10.25" BIT. CONC. BINDER CRSE., SUPERPAVE, IL-19, N70 12" AGGREGATE SUBGRADE, TYPE B

**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 PGE 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 301.03 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.

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CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	4-28-06	PER IDOT AND COOK COUNTY COMMENTS
	2	5-8-06	PER IDOT COMMENTS

* - REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS

Baxter & Woodman
 Crystal Lake, Illinois 815.458.1200
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Grayslake, Illinois 847.223.9089
 Rockford, Illinois 815.489.1551
 Plainfield, Illinois 815.609.7425

CITY OF OAK FOREST, ILLINOIS
OAK PARK AVENUE PROJECT

151st STREET & JUSTAMERE ROAD
PROPOSED TYPICAL SECTIONS AND
STRUCTURAL DESIGN DATA

DESIGNED BY NJP	SCALE NONE
DRAWN BY UKB	PROJECT NO. 020146
CHECKED BY NJP	SHEET NO.
DATE 1-20-05	14 OF 116