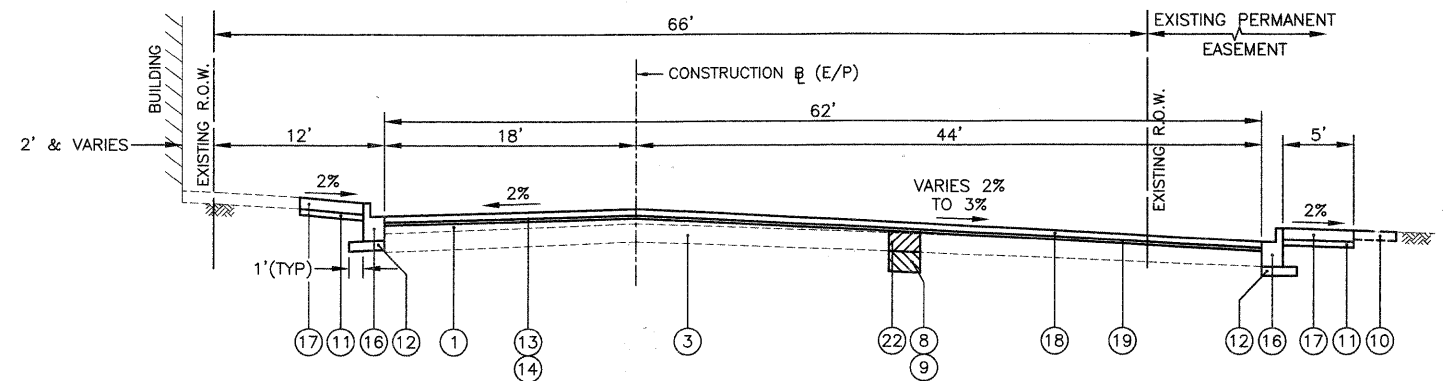
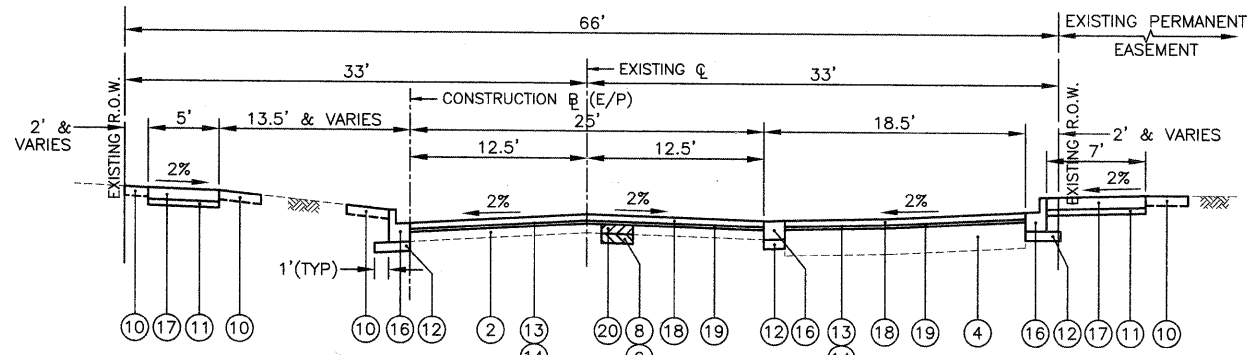


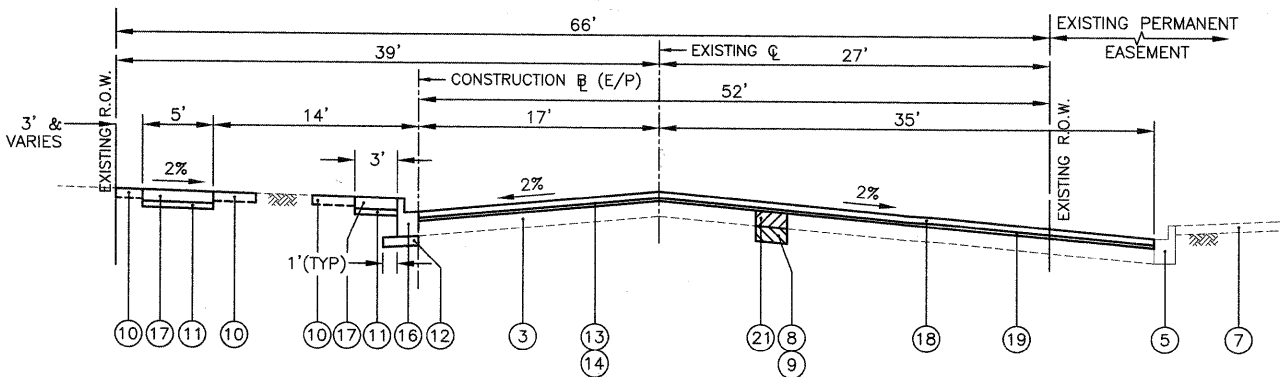
**PROPOSED TYPICAL SECTION - HILLGROVE AVENUE
STA. 8+68 TO STA. 22+50**



**PROPOSED TYPICAL SECTION - HILLGROVE AVENUE
STA. 36+82 TO STA. 40+00**



**PROPOSED TYPICAL SECTION - HILLGROVE AVENUE
STA. 22+50 TO STA. 31+41**



**PROPOSED TYPICAL SECTION - HILLGROVE AVENUE
STA. 31+40 TO STA. 36+82**

LEGEND

- ① EXISTING HOT-MIX ASPHALT PAVEMENT, VARIES 2 1/2" TO 8"
- ② EXISTING HOT-MIX ASPHALT PAVEMENT, 8" AND VARIES
- ③ EXISTING P.C.C. PAVEMENT, 8" AND VARIES
- ④ EXISTING AGGREGATE BASE COURSE, 12" AND VARIES
- ⑤ EXISTING CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑥ EXISTING P.C.C. SIDEWALK
- ⑦ EXISTING BRICK PAVERS SIDEWALK
- ⑧ POROUS GRANULAR EMBANKMENT, SUBGRADE (AT LOCATIONS DESIGNATED BY THE ENGINEER)
- ⑨ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (AT LOCATIONS DESIGNATED BY THE ENGINEER)
- ⑩ SODDING, SPECIAL (INCLUDES 4" PULVERIZED TOP SOIL AND FERTILIZER) (AT LOCATIONS DESIGNATED BY THE ENGINEER)
- ⑪ SUB-BASE GRANULAR MATERIAL, TYPE B 2" (COST INCLUDED IN SIDEWALK REMOVAL AND REPLACEMENT)
- ⑫ SUB-BASE GRANULAR MATERIAL, TYPE B 4" (COST INCLUDED IN CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT)
- ⑬ AGGREGATE (PRIME COAT)
- ⑭ BITUMINOUS MATERIALS (PRIME COAT)
- ⑮ MIXTURE FOR CRACKS, JOINTS AND FLANGEWAYS
- ⑯ COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (THICKNESS OF GUTTER FLAG SHALL BE 10" EXCEPT WHERE ADJACENT TO PCC PAVEMENT. WHEN ADJACENT TO P.C.C. PAVEMENT, BOTTOM OF GUTTER SHALL BE AT THE SAME GRADE AS THE BOTTOM OF THE P.C.C. PAVEMENT)
- ⑰ SIDEWALK REMOVAL AND REPLACEMENT
- ⑱ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
- ⑲ LEVELING BINDER (MACHINE METHOD), N50, 1 1/4"
- ⑳ CLASS D PATCHES, 5" (AT LOCATIONS DESIGNATED BY THE ENGINEER)
- ㉑ CLASS D PATCHES, 8" (AT LOCATIONS DESIGNATED BY THE ENGINEER)
- ㉒ CLASS D PATCHES, 12" (AT LOCATIONS DESIGNATED BY THE ENGINEER)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	VOIDS
PAVEMENT RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N50, 2" (IL-9.5mm)	4% @ 50 Gyr.
LEVEL BINDER (MACHINE METHOD), N50, 1 1/4" (IL-9.5mm)	4% @ 50 Gyr.
PATCHING	
CLASS D PATCHES 5" (2 LIFTS), 8" (3 LIFTS) & 12" (4 LIFTS) (HMA BINDER IL-19mm)	4% @ 70 Gyr.
DRIVEWAYS	
HOT-MIX ASPHALT BASE COURSE, 5" (HMA BINDER IL-19mm) (2 LIFTS)	4% @ 50 Gyr.
HOT-MIX ASPHALT SURFACE COURSE, MIX "C" N50, 2" (IL-9.5mm)	4% @ 50 Gyr.

NOTE: 1) THE UNIT WEIGHT USED TO CALCULATE ALL HMA QUANTITIES IS 112 LB/SY/IN
 2) THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.
 3) THE MILLING SHALL BE DONE PRIOR TO PATCHING

FILE NAME =	USER NAME =	DESIGNED -- BDH	REVISED --
		DRAWN -- BCD	REVISED --
	PLOT SCALE =	CHECKED -- BDH	REVISED --
	PLOT DATE =	DATE -- 03/01/2011	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TYPICAL SECTIONS
HILLGROVE AVENUE**

SCALE: NONE SHEET NO. 6 OF 17 SHEETS STA. _____ TO STA. _____

JAMES J. BENES & ASSOCIATES, INC. 950 Warrenville Road, Suite 101, List, Illinois 60532 Tel. (630) 719-7570 • Fax (630) 719-7589				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3782	10-00093-00-RS	COOK	17	6
			CONTRACT NO. 63600	
ILLINOIS FED. AID PROJECT				