



• EXISTING CURB AND GUTTER
 FROM STA. 506+60.00 TO STA. 513+52.50 LT
 STA. 524+68.10 TO STA. 529+19.80 LT
 STA. 534+41.50 TO STA. 542+81.00 LT
 STA. 542+62.60 TO STA. 545+46.00 RT

- EXISTING**
- (A) 1/2" BITUMINOUS CONCRETE SURFACE, CLASS I
 - (B) 1/2" BITUMINOUS CONCRETE BINDER
 - (C) 8" P.C.C. BASE COURSE/PAVEMENT
 - (D) 10" P.C.C. BASE COURSE/PAVEMENT
 - (E) 4" AGGREGATE SUB-BASE
 - (F) P.C.C. SIDEWALK 5"
 - (G) SWALE/DITCH
 - (H) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.18
 - (I) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
 - (J) BITUMINOUS SHOULDER
 - (K) LANDSCAPED MEDIAN
 - (L) SB-9.12 CONCRETE CURB & GUTTER BARRIER MEDIAN
- HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 - HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
 - REMOVAL OF EXISTING PAVEMENT & SHOULDER

DESIGN DESIGNATION

DESIGN SPEED: 75TH STREET = 45 MPH (45 MPH POSTED)
 LEMONT ROAD = 40 MPH (40 MPH POSTED)
 DUNHAM ROAD = 30 MPH (25 MPH POSTED)

2020 ADT: 75TH STREET 45,821 (WEST LEG), 41,153 (EAST LEG)
 LEMONT ROAD 35,199 (NORTH LEG), 34,533 (SOUTH LEG)

2030 ADT: DUNHAM ROAD 8,480 (NORTH LEG), 6,806 (SOUTH LEG)

HMA MIXTURE REQUIREMENTS CHART

ITEM	VOIDS	THICKNESS
ROADWAY RESURFACING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	4% @ 90 GYR.	1 3/4"
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	4% @ 90 GYR.	2 1/4"
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	4% @ 50 GYR.	3/4" & VAR.
ROADWAY WIDENING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	4% @ 90 GYR.	1 3/4"
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	4% @ 90 GYR.	2 1/4"
ROADWAY RERECONSTRUCTION		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	4% @ 90 GYR.	1 3/4"
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	4% @ 90 GYR.	2 1/4"
HOT-MIX ASPHALT BASE COURSE	4% @ 50 GYR.	9" (3 LIFTS)
DRIVEWAYS		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	4% @ 50 GYR.	2"
HOT-MIX ASPHALT BASE COURSE	4% @ 50 GYR.	6" (2 LIFTS) P.E. 8" (3 LIFTS) C.E.
HOT-MIX ASPHALT MEDIAN		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	4% @ 50 GYR.	1.5"
HOT-MIX ASPHALT BASE COURSE	4% @ 50 GYR.	3"
PATCHING		
CLASS D PATCHES, TYPE IV, IL-19.0	4% @ 50 GYR.	10" (3 LIFTS)
BIKEPATH		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	4% @ 50 GYR.	2"
TEMPORARY PAVEMENT		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm)	4% @ 70 GYR.	1 1/2"
TEMPORARY PAVEMENT (HMA BINDER (IL-19mm))	4% @ 70 GYR.	8" (3 LIFTS)

NOTES: THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

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.

THE CONTRACTOR SHALL HAVE THE OPTION OF USING PCC PAVEMENT 8" OR HMA PAVEMENT 9 1/2" FOR TEMPORARY PAVEMENT AS SPECIFIED IN THE SPECIAL PROVISIONS AND THE MIXTURE TABLE ABOVE.

FILE NAME = F:\451-930 75th St Dup.dwg DOT\ENGINEERING\DRAWINGS\451-930-ht-typical.dwg

B Bollinger, Lach & Associates, Inc.
 ITASCA, ILLINOIS

USER NAME = elarson	DESIGNED - GJE	REVISED -
PLOT SCALE = 50.0000' / IN.	DRAWN - DC	REVISED -
PLOT DATE = 9/13/2011	CHECKED - JP	REVISED -
	DATE - 9/08/11	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EXISTING TYPICAL SECTIONS 75TH STREET	
SCALE: NONE	SHEET NO. 11 OF 198 SHEETS
STA.	TO STA.

F.A.P. RTE. 0369	SECTION 07-00232-04-WR	COUNTY	TOTAL SHEETS 198	SHEET NO. 11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 63632	