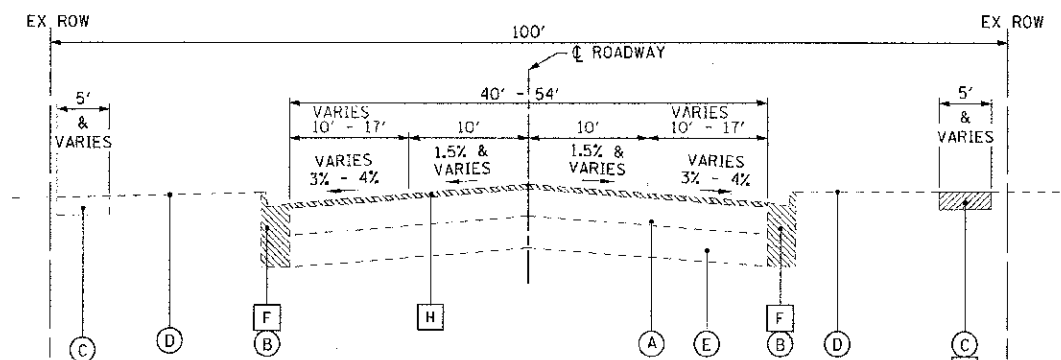
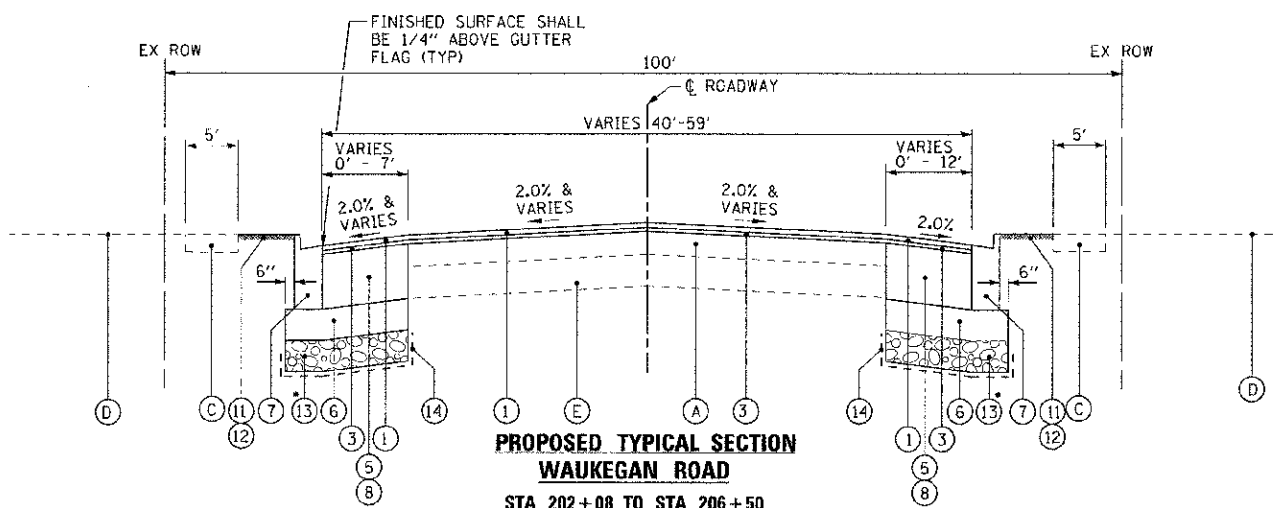


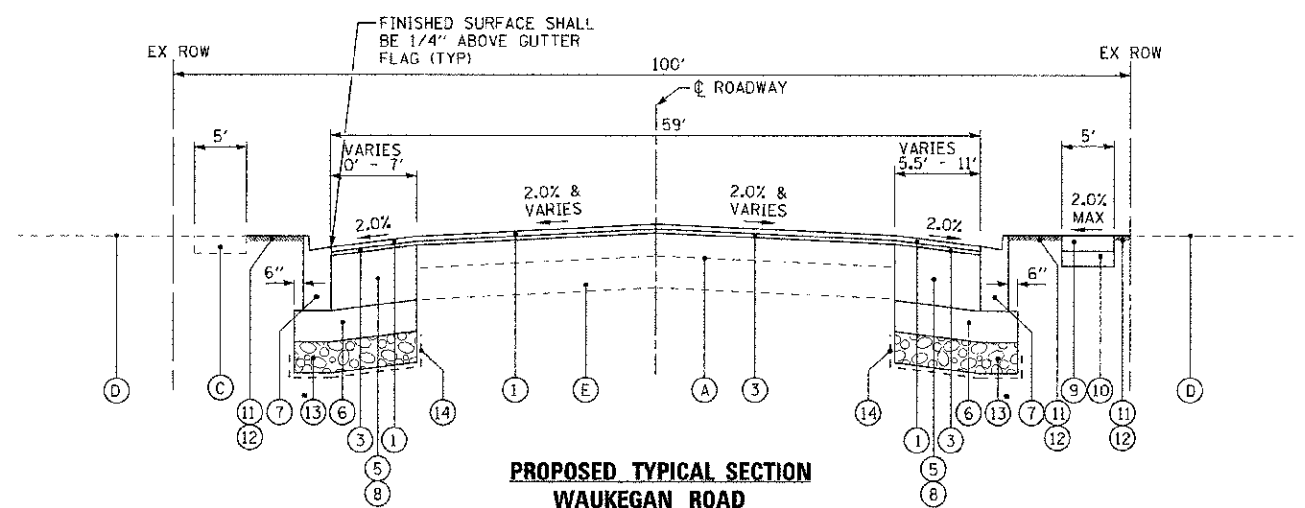
**EXISTING TYPICAL SECTION
WAUKEGAN ROAD**
STA 202+08 TO STA 206+50
STA 215+57 TO STA 220+80



**EXISTING TYPICAL SECTION
WAUKEGAN ROAD**
STA 206+50 TO STA 211+48



**PROPOSED TYPICAL SECTION
WAUKEGAN ROAD**
STA 202+08 TO STA 206+50
STA 215+57 TO STA 220+80



**PROPOSED TYPICAL SECTION
WAUKEGAN ROAD**
STA 206+50 TO STA 211+48

EXISTING LEGEND

- (A) EXISTING HOT-MIX ASPHALT BINDER & SURFACE COURSES, - 7"±
- (AA) EXISTING HOT-MIX ASPHALT BASE, BINDER & SURFACE COURSES, - 10"±
- (B) EXISTING CURB AND GUTTER
- (C) EXISTING CONCRETE SIDEWALK
- (D) GROUND SURFACE (12" AVG. TOPSOIL DEPTH)
- (E) EXISTING CONCRETE BASE COURSE - 7 1/2"±
- (F) COMBINATION CURB AND GUTTER REMOVAL
- (G) SIDEWALK REMOVAL (WHERE SHOWN ON PLANS OR AS DETERMINED BY THE ENGINEER)
- (H) HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/2"
- (I) PAVEMENT REMOVAL
- (J) HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/4"
- (K) EXISTING AGGREGATE SUBBASE - 4"±
- (X) ITEM TO BE REMOVED

PROPOSED LEGEND

- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 - 1 3/4"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 - 1 1/2"
- (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
- (4) HOT-MIX ASPHALT BASE COURSE, 7"
- (5) HOT-MIX ASPHALT BASE COURSE, 7 1/4" (FOR WIDENING AREAS MORE THAN 2' WIDE)
- (6) AGGREGATE SUBGRADE IMPROVEMENT - 12"
- (7) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (8) PORTLAND CEMENT CONCRETE BASE COURSE, 7 1/4" (FOR WIDENING AREAS LESS THAN 2' WIDE)
- (9) PCC SIDEWALK - 5" OR 8" (WHERE SHOWN ON PLANS OR AS DETERMINED BY THE ENGINEER)
- (10) AGGREGATE BASE COURSE, TYPE B - 4"
- (11) TOPSOIL FURNISH AND PLACE - 4"
- (12) SODDING, SALT TOLERANT
- (13) AGGREGATE SUBGRADE IMPROVEMENT (AS DETERMINED BY THE ENGINEER)
- (14) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (IN UNDERCUT AREAS)
- (15) CONCRETE MEDIAN, TYPE SB 6.J2 (11" GUTTER DEPTH OR BOTTOM MIN 4" BELOW TOP OF EX PCC BASE COURSE)
- (16) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2"
- (17) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (18) CONCRETE CURB, TYPE B
- (19) HOT-MIX ASPHALT BASE COURSE - 5"

• AGGREGATE SUBGRADE IMPROVEMENT (ASI) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE 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 ASI OR EMBANKMENT AS DETERMINED BY THE ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR. A QUANTITY OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL SHALL ALSO BE DEDUCTED WITH NO ADDITIONAL COMPENSATION DUE THE CONTRACTOR.

STRUCTURAL DESIGN DATA

STREET	STRUCTURAL DESIGN TRAFFIC		STREET CLASS	TRAFFIC FACTOR	SSR	TEMP	STRAIN	AC	E _{ac}	REQ'D HMA THICKNESS	MECHANISTIC PAVEMENT DESIGN
	PV	SU/MU									
WAUKEGAN ROAD (IL ROUTE 48)	26,834	669 352	I	3.56	POOR	73.8°F	83	PG70-22	730	9.75 IN	1-3/4" POLYMERIZED HMA SURFACE COURSE, MIX "F", N90 3/4" POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75, N50 7-1/4" HOT-MIX ASPHALT BASE COURSE 12" AGGREGATE SUBGRADE IMPROVEMENT
CHESTNUT AVENUE	13,147	286 122	II	0.75	POOR	73.8°F	130	PG64-22	730	7.50 IN	1-1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 3/4" POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75, N50 7" HOT-MIX ASPHALT BASE COURSE 12" AGGREGATE SUBGRADE IMPROVEMENT
JEFFERSON AVENUE	440	45 15	IV	0.50	POOR	73.8°F	147	PG64-22	730	7.00 IN	1-1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 3/4" POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75, N50 5" HOT-MIX ASPHALT BASE COURSE 3" AGGREGATE BASE COURSE, TYPE B

2012 BY: BAXTER & WOODMAN, INC. 11/15/12
 LICENSE NO. 184-0028 - EXP. 06/30/15
 10/27/2012 2:59:19 PM
 I:\C:\external\kyle\1011\10110205-3000_Civ_Eng\10020512_cmas\cvt_01.dwg
 10/27/2012 2:59:19 PM



DESIGNED - DS-H	REVISED - 10-12-12 PER IDOT
DRAWN - MAC	RFV/SFD -
CHECKED - T.H	REVISED -
DATE - 9/23/12	FILE 110025-12 TYP.eht

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS AND STRUCTURAL DESIGN DATA

SCALE: NONE STA. TO STA.

F.A.P./F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.
0348/1352	05-00160-00-CH	COCK	109 12
C-91-070-06		CONTRACT NO. 63756	
FED. ROAD DIST. NO. 1 [ILLINOIS]		FED. AID PROJECT F-0348(35)	