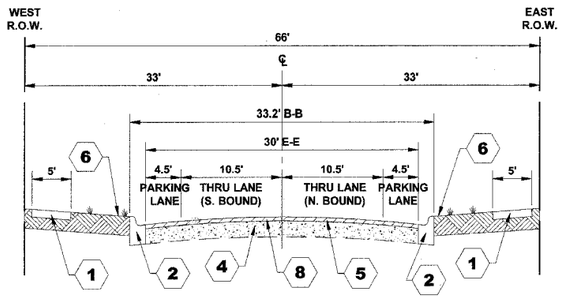
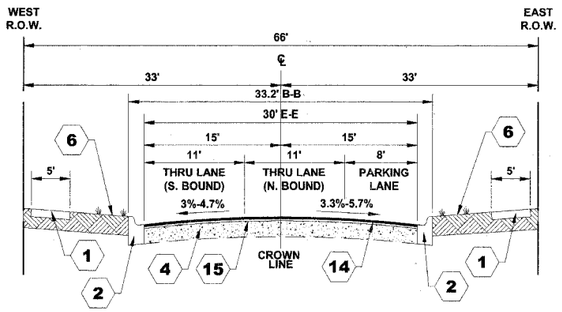
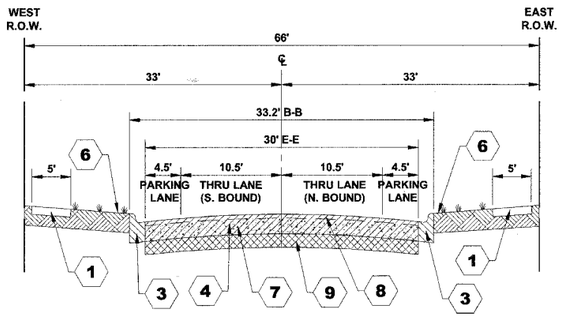
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 2712	**	COOK	36	5
ILLINOIS PROJECT	M-8003(655)			
VILLAGE SECTION	05-00069-00-FP			
CONTRACT NO. 83982				



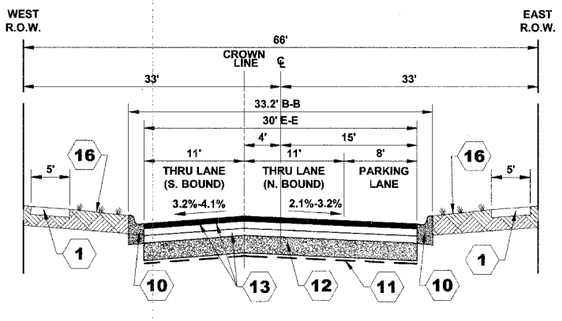
EXISTING TYPICAL CROSS SECTION
BALMORAL AVENUE
(STATION 1+50 TO STATION 5+20)



PROPOSED TYPICAL CROSS SECTION
BALMORAL AVENUE
(STATION 1+50 TO STATION 5+20)



EXISTING TYPICAL CROSS SECTION
BALMORAL AVENUE
(STATION 5+20 TO STATION 23+63)



PROPOSED TYPICAL CROSS SECTION
BALMORAL AVENUE
(STATION 5+20 TO STATION 23+63)

TYPICAL CROSS SECTION LEGEND

EXISTING

1. PORTLAND CEMENT CONCRETE SIDEWALK, 5"
2. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
3. COMBINATION CONCRETE CURB & GUTTER REMOVAL, (TYPE B-6.12)
4. PORTLAND CEMENT CONCRETE BASE COURSE, 6" - 8"
5. HOT-MIX ASPHALT BINDER & SURFACE COURSE, 3" - 5"
6. SODDED PARKWAY
7. PAVEMENT REMOVAL (10" - 12")
8. HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (0" - 4")
9. EARTH EXCAVATION

PROPOSED

10. COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
11. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
12. AGGREGATE SUBGRADE, 12"
13. HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 7"
    - HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50, 2"
    - HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 5" (2 LIFTS)
14. LEVELING BINDER (MACHINE METHOD), N50, 1"
15. HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50, 1½"
16. SODDED PARKWAY WITH 4" TOPSOIL

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

ITEM	AC TYPE	PERCENT AIR VOIDS
HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 7" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (5")	PG 64-22/58-22 *	4% @ 50 GYR.
HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50 (2") (IL-9.5mm)	PG 64-22	4% @ 50 GYR.
LEVELING BINDER (MACHINE METHOD), N50	PG 64-22 *	4% @ 50 GYR.
HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50 (IL-9.5mm)	PG 64-22	4% @ 50 GYR.
HOT-MIX ASPHALT MIXTURE FOR PATCHING POT HOLES (HOT MIX) (2") (BINDER IL-19mm)	PG 64-22 *	4% @ 50 GYR.

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT MIXTURES IS 112 LBS/SQYD/IN.

* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.

STRUCTURAL DESIGN TRAFFIC: YEAR: 2030

PV = 3000 SU = 0 MU = 0

ROAD/STREET CLASSIFICATION : CLASS II

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:

P = 50 S = 50 M = 50

TRAFFIC FACTOR: ACTUAL TF = 0.0045 AC TYPE = PG 64-22

PG GRADE: BINDER = 64-22 SURFACE = 64-22

SUBGRADE SUPPORT RATING:

1BR = 3.00 (STA. 5+20 TO 23+68)

PAVEMENT CORE SUMMARY

BORE	STATION	OFFSET	LEFT/RIGHT	BITUMINOUS	CONC. BASE	TOTAL
PC-1	6+15	8'	LEFT	4"	7"	11"
PC-2	8+73	5'	RIGHT	4"	7"	11"
PC-3	11+13	8'	LEFT	4¼"	7¾"	12"
PC-4	13+87	4'	RIGHT	3¾"	7¼"	11"
PC-5	17+04	8'	LEFT	3¾"	7"	10¾"
PC-6	20+52	6'	RIGHT	3"	7¾"	10¾"
PC-7	22+85	6'	LEFT	4¼"	61/2"	10¾"

HANCOCK ENGINEERING
Civil Engineers
Municipal Consultants
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Westchester, Illinois 60154-2780
Phone: 708/865-0300
Fax: 708/865-1212

BALMORAL AVENUE IMPROVEMENTS
VILLAGE OF WESTCHESTER, ILLINOIS

TYPICAL CROSS SECTIONS

REVISION:

SCALE:	NONE
DRAWN BY:	NAW/LEV/MK
BOOK NO.:	1394/1427/LS
DATE:	10-3-07
E.H.E. NO.:	838-06-16601

SHEET 5 OF 36

Drawing file: W:\Projects\838061\66 - Balmoral Avenue Phase I\TYPICALS.dwg Oct 04, 2007 - 2:04pm