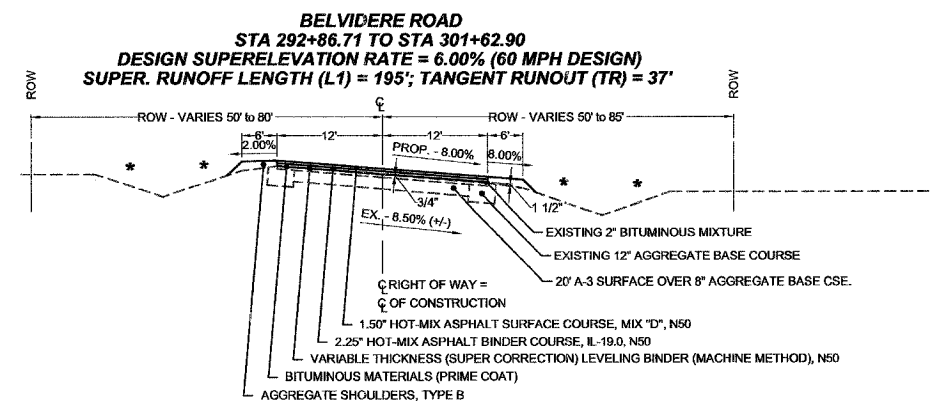
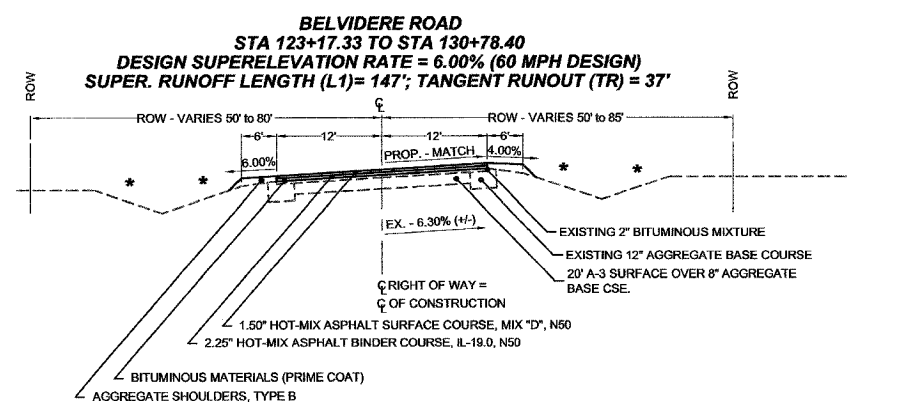
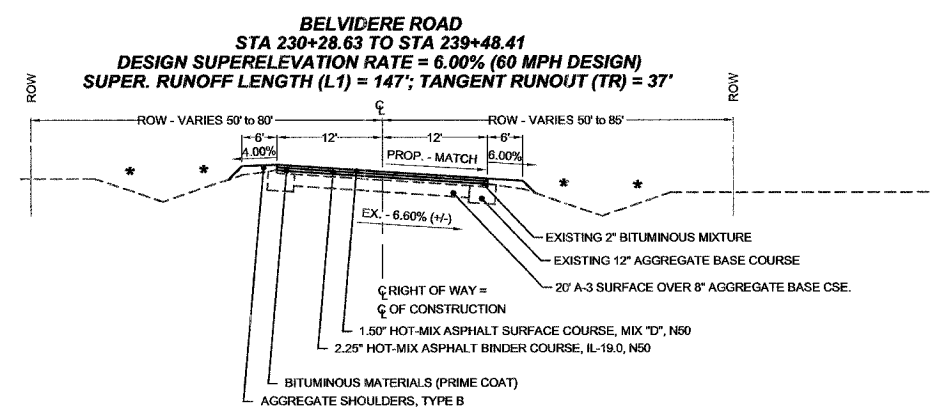
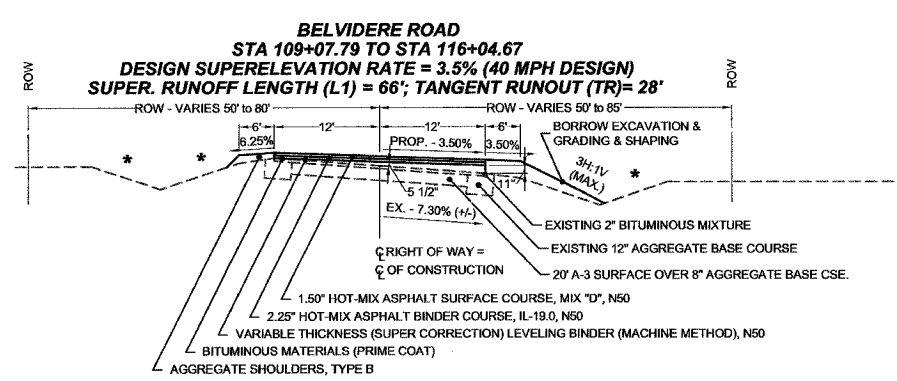
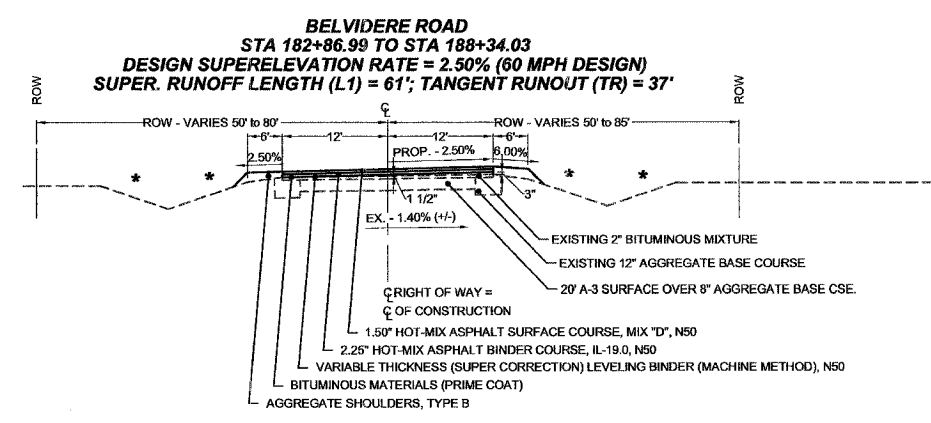
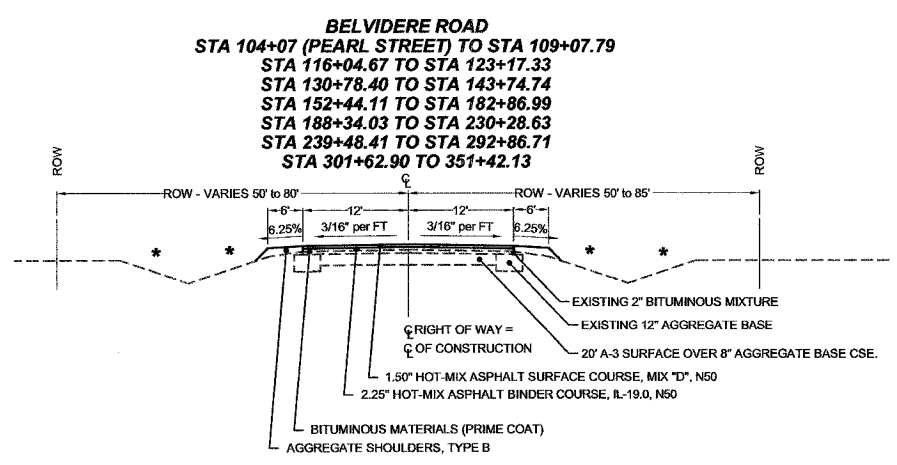
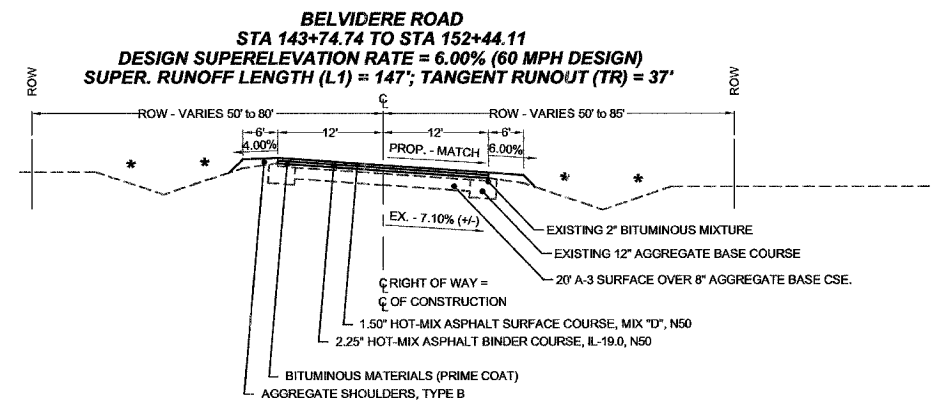
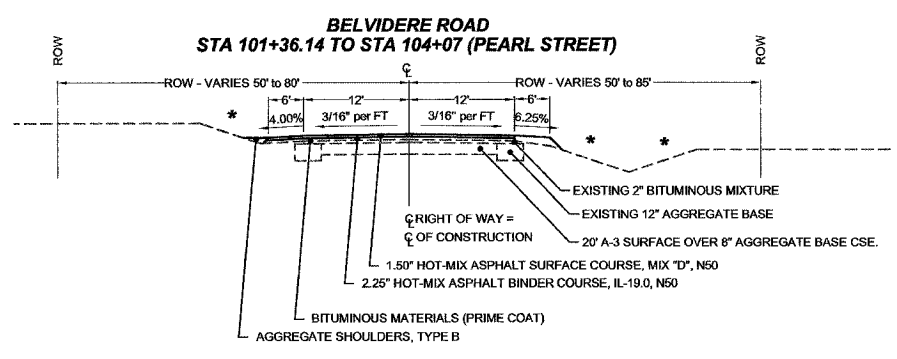




TYPICAL SECTIONS

PAVEMENT DESIGN



DATE: July 11, 2006

CALCULATIONS BY: Testing Engineers, Inc.

CHECKED BY:

CLASS: II ROADS AND STREETS

LIMITS OF ANALYSIS:

STATION: 101+36.14 TO 351+42.13

LENGTH: 25,005.99 FT 4.74 MILES

STRUCTURAL DESIGN TRAFFIC:

ADT: 5500

PV: 4,950

SU: 385

MU: 165

ROUTE: C.H. 25 (Belvidere Road)

SECTION: 04-00338-00-RS

COUNTY: Winnebago

LOCATION: From Main Street (Roscoe) & IL-173

PAVEMENT DESIGN:

SUBGRADE SUPPORT RATING (SSR): Poor (FAIR, POOR, OR GRANULAR)

FLEXIBLE TRAFFIC FACTOR: 1.075

SELECTED DESIGN PG BINDER: PG 58-28

DESIGN PAVEMENT HMA TEMP.: 77 °F

DESIGN HMA MODULUS (E_{AC}): 534 ksi

DESIGN HMA MICROSTRAIN: 105

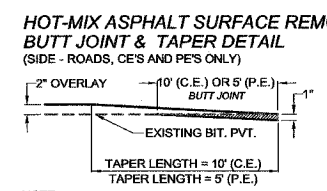
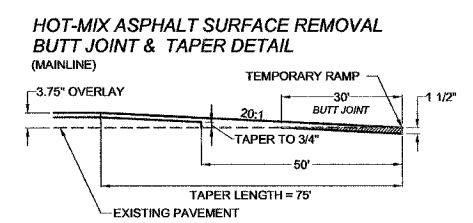
PAVEMENT THICKNESS: 3.75" in

SUBGRADE: No subgrade improvements expected.

COMMENTS: None

MIXTURE USE (S):	SURFACE	LEVEL BINDER	BINDER
PG:	PG 58-28	PG 58-28	PG 58-22
RAP% (MAX):	15	25	25
DESIGN AIR VOIDS:	4.2 @ N50	4.2 @ N50	4.2 @ N50
MIXTURE COMPOSITION (GRADATION MIXTURE):	IL 9.5 or 12.5	IL 9.5	IL 19.0
FRICTION AGGREGATE:	D	N/A	N/A
20 YEAR ESAL:	1.1	1.1	1.1

DETAILS



NOTE:
THE THICKNESS OF INCIDENTAL BITUMINOUS SURFACING FOR ALL DRIVES SHALL BE 2" MINIMUM UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER.

EXISTING AGGREGATE DRIVEWAYS SHALL BE PREPARED USING AGGREGATE BASE, TYPE B TO BRING THE DRIVEWAY TO PROPER WIDTH AND GRADE BEFORE PLACING THE INCIDENTAL BITUMINOUS SURFACING.

NOTE: * - MAINTAIN EXISTING ROADSIDE SLOPES. EXISTING SLOPES ESTIMATED BETWEEN 3:1 AND 4:1.

K:\Projects\04-00338-00-RS (Belvidere Road)\Plan\Typical Sections.dwg, 11/11/2006 11:32:29 AM, V:\PROJECTS\04-00338-00-RS (Belvidere Road)\Plan\Typical Sections.dwg, 11/11/2006 11:32:29 AM, V:\PROJECTS\04-00338-00-RS (Belvidere Road)\Plan\Typical Sections.dwg, 11/11/2006 11:32:29 AM