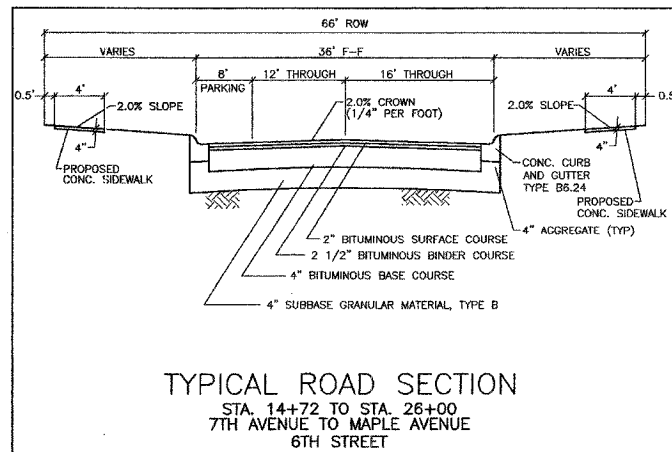
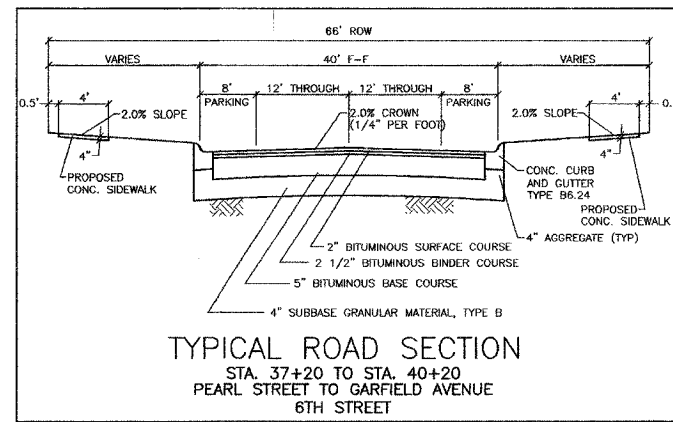


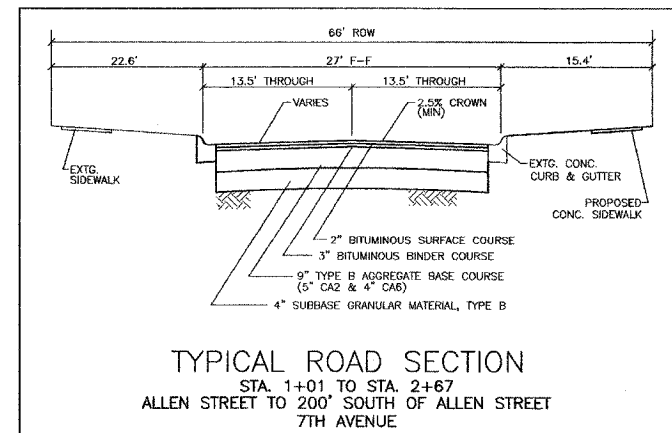
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5012	02-00098-00-FP	BOONE	30	3



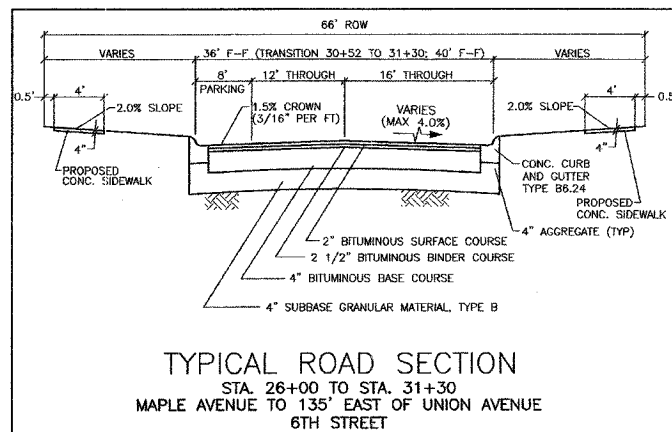
TYPICAL ROAD SECTION
STA. 14+72 TO STA. 26+00
7TH AVENUE TO MAPLE AVENUE
6TH STREET



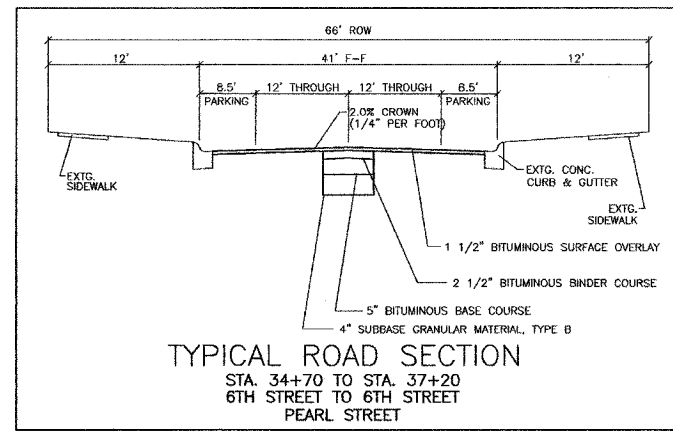
TYPICAL ROAD SECTION
STA. 37+20 TO STA. 40+20
PEARL STREET TO GARFIELD AVENUE
6TH STREET



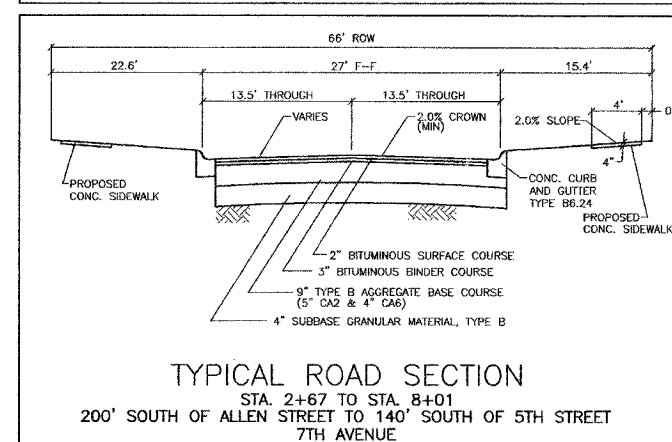
TYPICAL ROAD SECTION
STA. 1+01 TO STA. 2+67
ALLEN STREET TO 200' SOUTH OF ALLEN STREET
7TH AVENUE



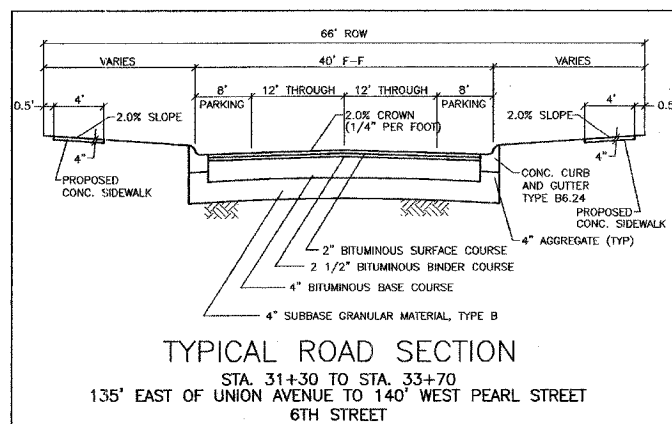
TYPICAL ROAD SECTION
STA. 26+00 TO STA. 31+30
MAPLE AVENUE TO 135' EAST OF UNION AVENUE
6TH STREET



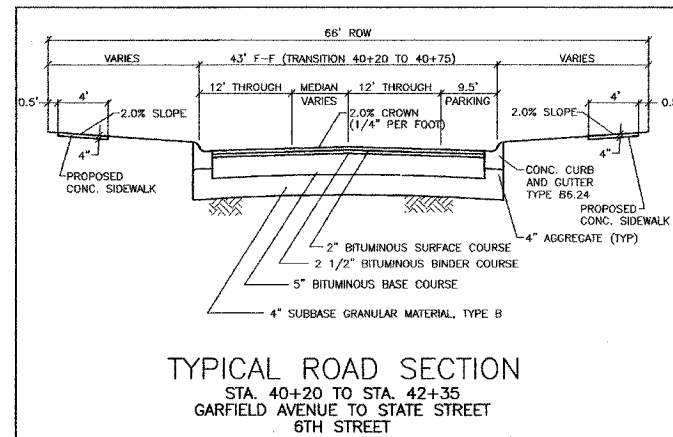
TYPICAL ROAD SECTION
STA. 34+70 TO STA. 37+20
6TH STREET TO 6TH STREET
PEARL STREET



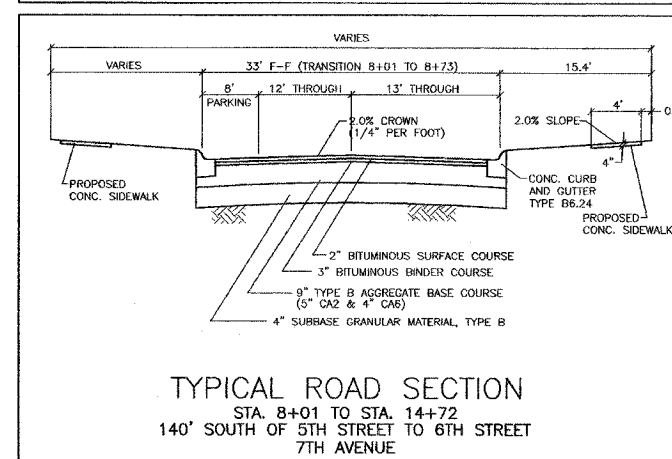
TYPICAL ROAD SECTION
STA. 2+67 TO STA. 8+01
200' SOUTH OF ALLEN STREET TO 140' SOUTH OF 5TH STREET
7TH AVENUE



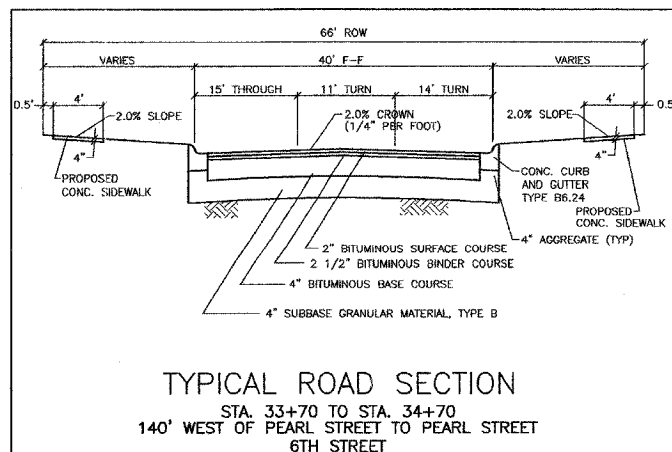
TYPICAL ROAD SECTION
STA. 31+30 TO STA. 33+70
135' EAST OF UNION AVENUE TO 140' WEST PEARL STREET
6TH STREET



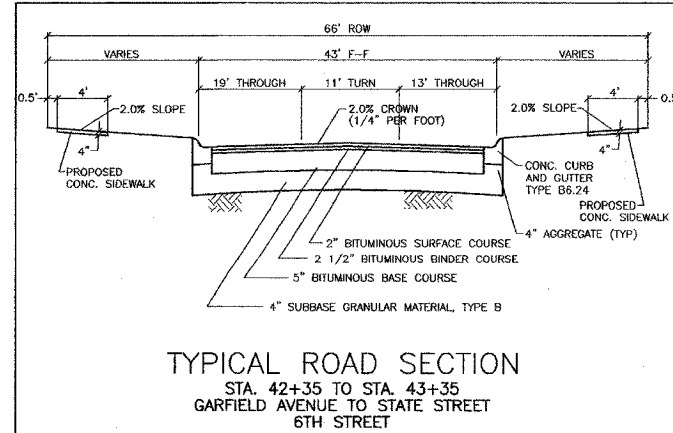
TYPICAL ROAD SECTION
STA. 40+20 TO STA. 42+35
GARFIELD AVENUE TO STATE STREET
6TH STREET



TYPICAL ROAD SECTION
STA. 8+01 TO STA. 14+72
140' SOUTH OF 5TH STREET TO 6TH STREET
7TH AVENUE



TYPICAL ROAD SECTION
STA. 33+70 TO STA. 34+70
140' WEST OF PEARL STREET TO PEARL STREET
6TH STREET



TYPICAL ROAD SECTION
STA. 42+35 TO STA. 43+35
GARFIELD AVENUE TO STATE STREET
6TH STREET

STRUCTURAL PAVEMENT DESIGN
6TH STREET
FROM 7TH AVE. TO PEARL ST.

STRUCTURAL DESIGN TRAFFIC: YEAR 2024
PV = 3277 SU = 335 MU = 112

ROAD/STREET CLASSIFICATION: CLASS II

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
P = 50% S = 50% M = 50%

TRAFFIC FACTOR: ACTUAL TF = 0.81 AC TYPE = AC-10 MOD
MINIMUM TF = 0.5

PG GRADE: BINDER = PG 64-28 SURFACE = PG 64-28

SUBGRADE SUPPORT RATING:
SSR = POOR (STA. 15+18 TO 37+00)

MIX DESIGN = SUPERPAVE N50

STRUCTURAL PAVEMENT DESIGN
6TH STREET
FROM PEARL ST. TO STATE ST.

STRUCTURAL DESIGN TRAFFIC: YEAR 2024
PV = 4270 SU = 437 MU = 147

ROAD/STREET CLASSIFICATION: CLASS II

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
P = 50% S = 50% M = 50%

TRAFFIC FACTOR: ACTUAL TF = 1.30 AC TYPE = AC-10 MOD
MINIMUM TF = 0.5

PG GRADE: BINDER = PG 64-28 SURFACE = PG 64-28

SUBGRADE SUPPORT RATING:
SSR = POOR (STA. 37+00 TO 43+59)

MIX DESIGN = SUPERPAVE N50

STRUCTURAL PAVEMENT DESIGN
7TH AVENUE

STRUCTURAL DESIGN TRAFFIC: YEAR 2024
PV = 745 SU = 158 MU = 28

ROAD/STREET CLASSIFICATION: CLASS III

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
P = 50% S = 50% M = 50%

TRAFFIC FACTOR: ACTUAL TF = 0.28 AC TYPE = AC-10
MINIMUM TF = 0.5

PG GRADE: BINDER = PG 58-22 SURFACE = PG 58-22

SUBGRADE SUPPORT RATING:
IBR = 3
STRUCTURAL NUMBER = 3.4

MIX DESIGN = N50

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR 6TH STREET IN THIS PROJECT.				THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR 7TH AVENUE IN THIS PROJECT.		
LOCATION(S):				LOCATION(S):		
MIXTURE USE(S):	BASE	BINDER	SURFACE	MIXTURE USE(S):	BINDER	SURFACE
PG:	PG 64-28	PG 64-28	PG 64-28	PG:	PG 58-22	PG 58-22
RAP %: (MAX)	25	15	0	RAP %: (MAX)	15	0
DESIGN AIR VOIDS:	4.0	4.0	4.0	DESIGN AIR VOIDS:	4.0	4.0
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-25.0	IL-19.0	IL-12.5/9.5	MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-19.0	IL-12.5/9.5
FRICTION AGGREGATE:	MIX B	MIX B	MIX C	FRICTION AGGREGATE:	MIX B	MIX C
MIXTURE WEIGHT:	112	112	112	MIXTURE WEIGHT:	112	112

ROSARIO S. TARARA
LAND SURVEYING, INC.

3600 EAST STATE STREET, SUITE 315, ROCKFORD, IL 61108 (815) 397-6333

CARROLL ENGINEERING & ASSOCIATES, P.C.

111 W. HURLBUT AVE. BELVIDERE, IL
TELEPHONE (815) 547-3406

ISSUE DATE: 03/24/2005 REVISION NO. & DATE: PROJECT NO.: 372