

Benchmark:
 BM#1 Arrow bolt on top flange of hydrant located at the northwest corner of Fairview Blvd. and State Street Elevation=751.91 NAVD88
 BM#2 Chiseled square in the northeast corner of concrete wall located on the east side of Fairview Blvd. over Keith Creek. Elevation=749.05 NAVD88

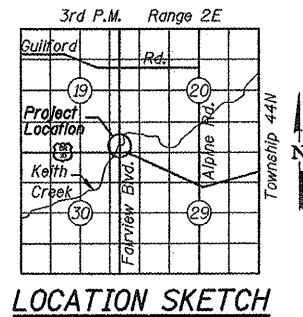
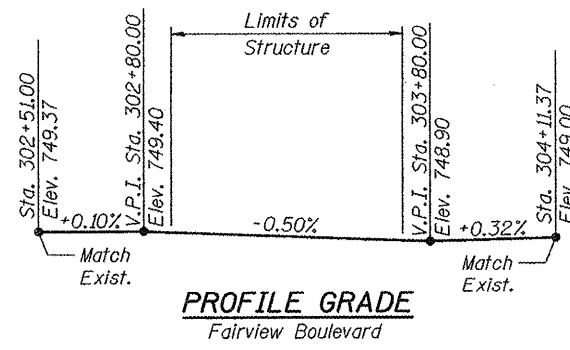
Existing Structure SN: 101-6060:
 The existing structure built in 1955 consists of a two span continuous reinforced concrete slab superstructure with an out-to-out width of 66'-0" and a total length of 60'-7" Bk. To Bk. Abutments with a 30°3'45" skew. Existing superstructure to be removed and replaced. The substructure is to remain. Traffic is to be detoured during construction.

No Salvage

KEITH CREEK
 RE-BUILT 20__ BY
 CITY OF ROCKFORD
 SEC 10-00573-00-BR
 STRUCTURE NO. 101-6060
 LOADING HS20-44

NAME PLATE
 See Std. 515001

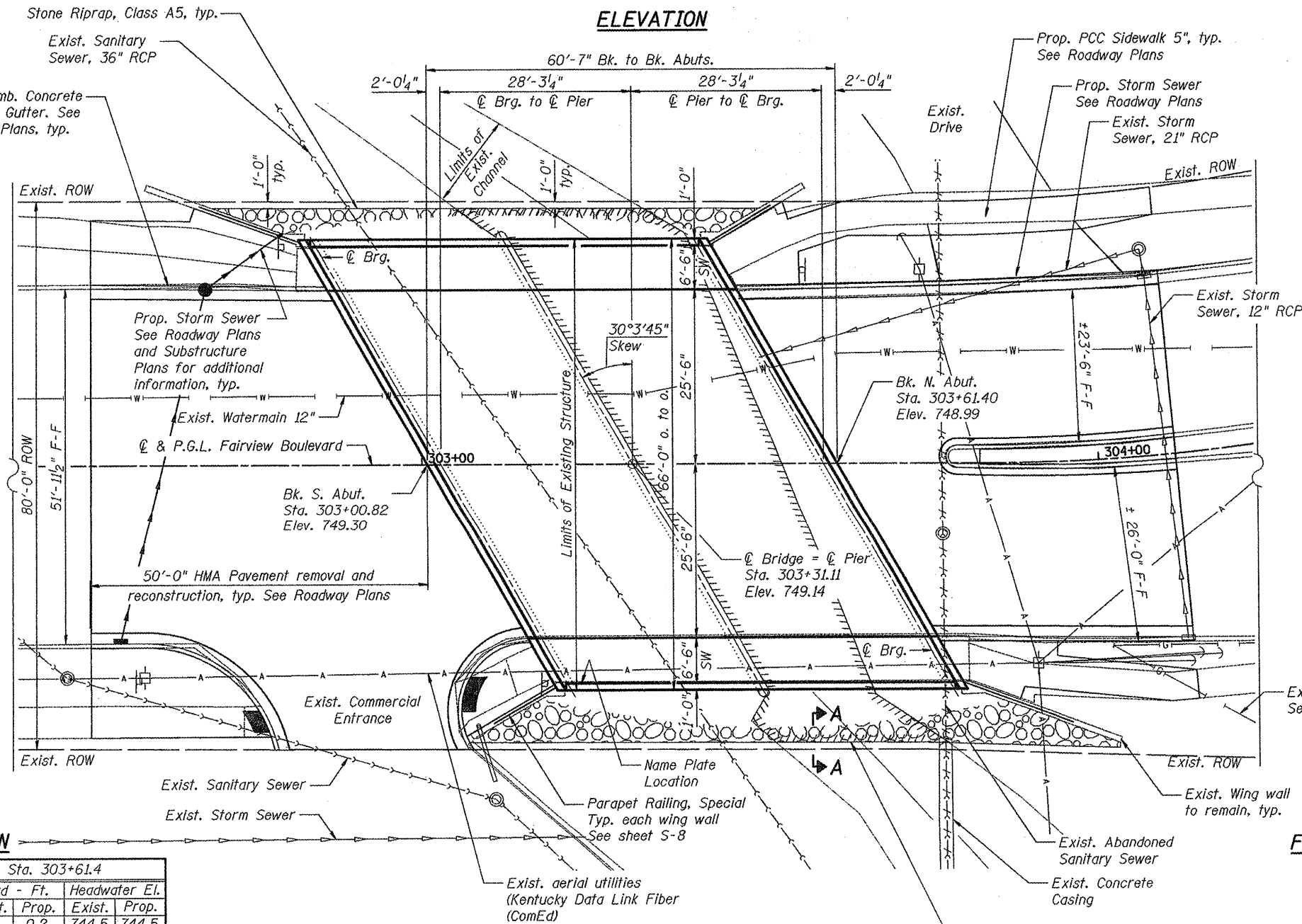
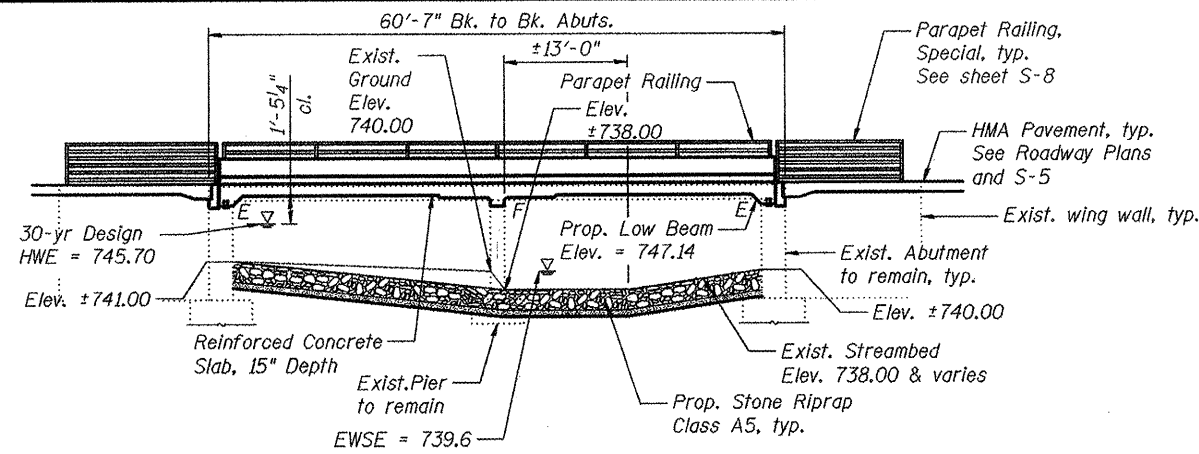
Existing Name Plate shall be cleaned and relocated next to the new Name Plate. Cost included with Name Plates.



WATERWAY INFORMATION

Drainage Area = 7.4 sq. mi. Low Grade Elev. 748.50 @ Sta. 303+61.4

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	735	176	176	744.3	0.2	0.2	744.5	744.5
Base	30	1257	241	241	745.7	0.3	0.3	746.0	746.0
Max. Calc.	100	1790	301	301	746.8	1.0	1.0	747.8	747.8
	500	2500	309	309	747.9	0.3	0.3	748.2	748.2



LOADING HS20-44
 No future wearing surface allowed
DESIGN SPECIFICATIONS
 2002 AASHTO Standard Specifications

DESIGN STRESSES
FIELD UNITS
 f'c = 3,500 psi
 fy = 60,000 psi (Reinforcement)
 fy = 50,000 psi (M270 Grade 50)

SEISMIC DATA
 Seismic Performance Category (SPC) = A
 Bedrock Acceleration Coefficient (A) = 4%g
 Site Coefficient (S) = 1.0

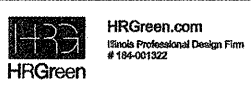


To the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current "AASHTO Standard Specifications for Highway Bridges".

Robert G. Davies
 Structural Engineer Expires 11/30/2012
 HR Green, Inc.

GENERAL PLAN AND ELEVATION
FAIRVIEW BOULEVARD (FAU RTE 5141)
OVER KEITH CREEK
SECTION NO. 10-00573-00-BR
CITY OF ROCKFORD
WINNEBAGO COUNTY
STRUCTURE NO. 101-6060

SEC GROUP, INC.
 PROJECT CONTACT: [Name]
 CLIENT: [Name]
 DATE PLOTTED: 3/29/2011 10:47:47 AM
 FILE NAME: 10-00573-00-01.dwg
 PLOT USER: [Name]
 PEN TABLE: [Name]



USER NAME = Kar-ft	DESIGNED - KMA	REVISED -
	CHECKED - RGD	REVISED -
PLOT SCALE = N.T.S.	DRAWN - WJH	REVISED -
PLOT DATE = 3/29/2011	CHECKED - 3/29/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
FAIRVIEW BOULEVARD - S.N. 101-6060
 SHEET NO. S-1 OF S-11 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5141	10-00573-00-BR	WINNEBAGO	20	9
			CONTRACT NO. 85540	
ILLINOIS FED. AID PROJECT				