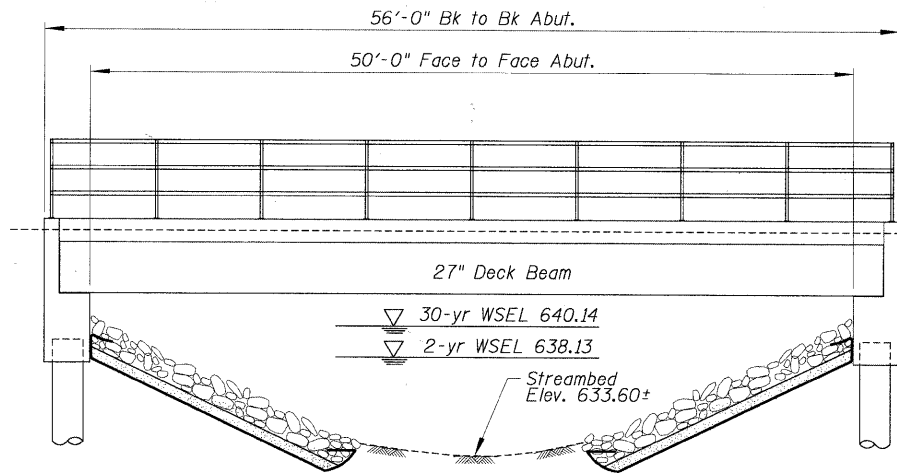
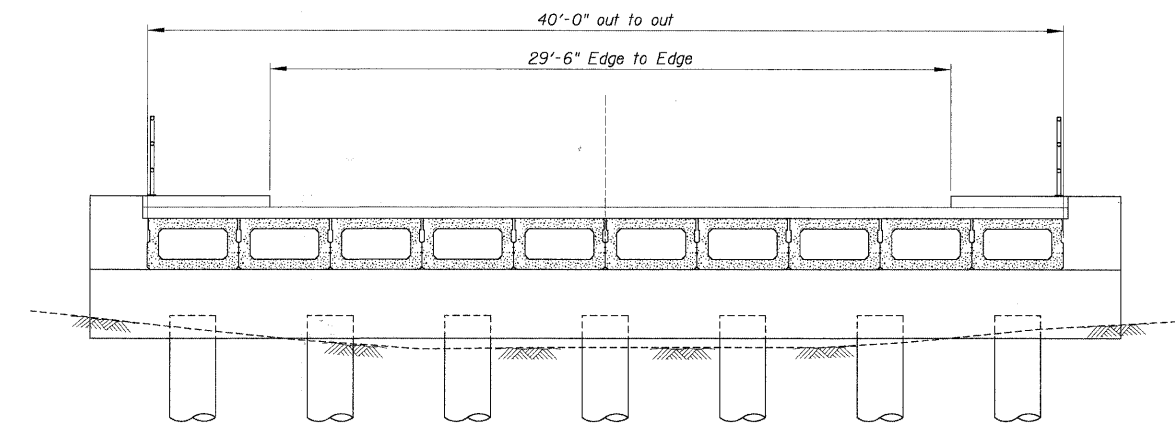


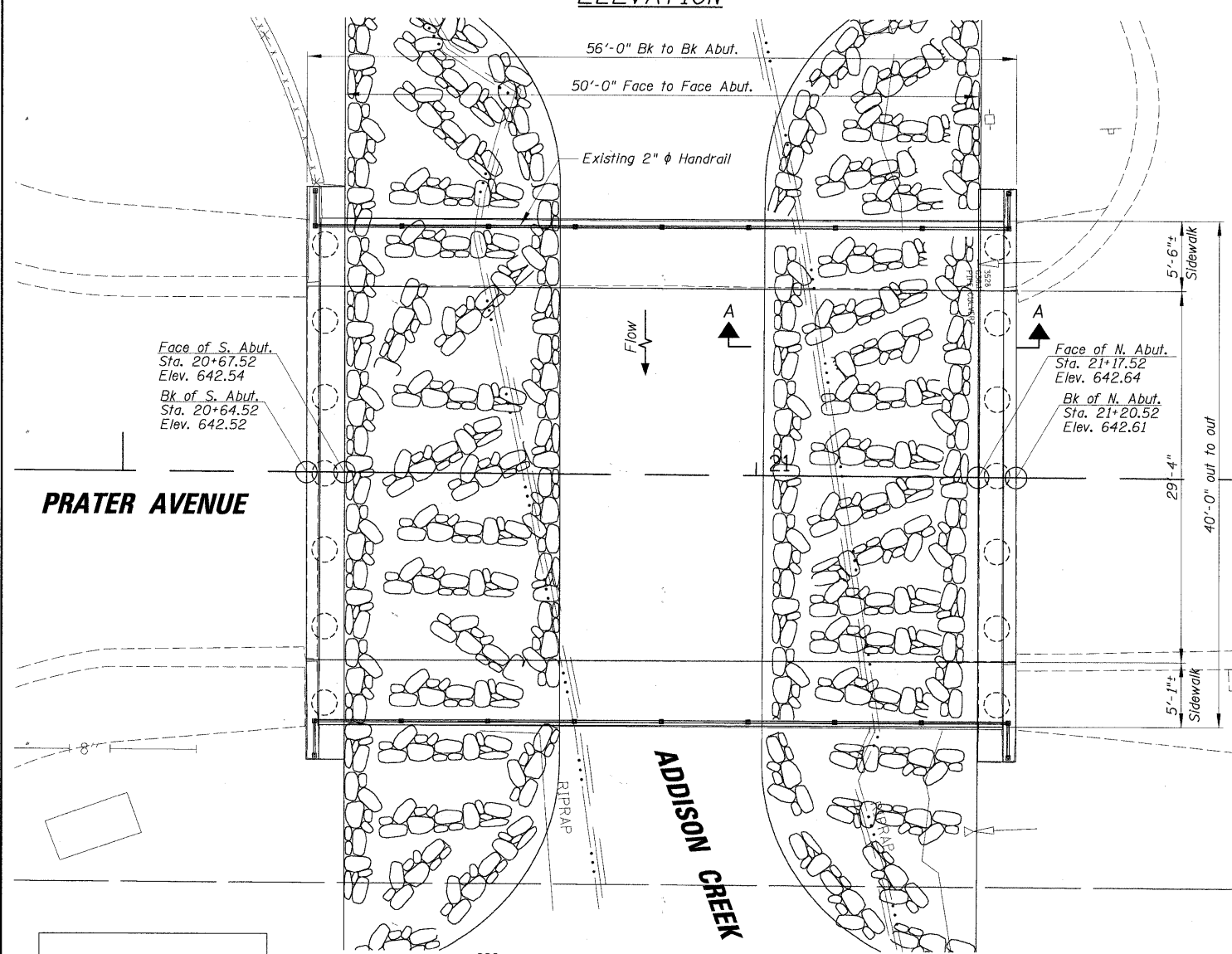
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



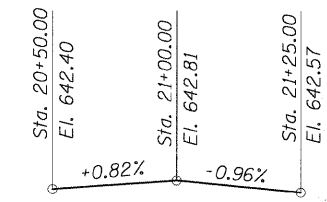
ELEVATION



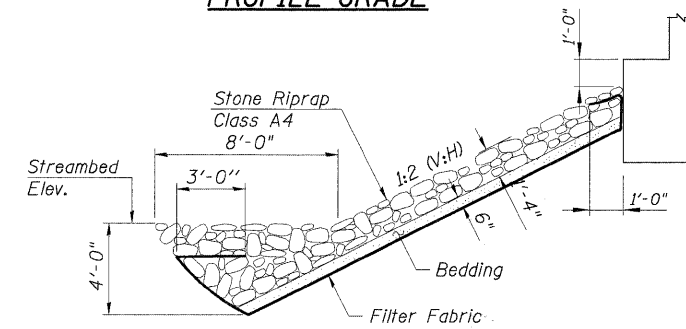
CROSS SECTION



PLAN



PROFILE GRADE



SECTION A-A

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A4	Sq Yd		275	275
Filter Fabric	Sq Yd		295	295

WATERWAY INFORMATION

Flood	Freq. Yr.	Q cfs	Opening ft <sup>2</sup>		Nat. H.W.E.	Head - ft		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	236	192	192	639.36	0.01	0.01	639.37	639.37
Design	30	352	230	230	640.14	0.01	0.01	640.15	640.15
Design	50	380	252	252	640.57	0.01	0.01	640.58	640.58
Base	100	505	276	276	641.01	0.02	0.02	641.03	641.03
Max. Calc.	500	860	324	324	641.85	0.06	0.06	641.91	641.91

DESIGN SCOUR ELEVATION TABLE

Flood Frequency/ Depth Elevation	North Abut.	South Abut.
100 year/ Scour Depth Elevation (ft.)	631.2	632.6
500 year/ Scour Depth Elevation (ft.)	628.6	631.2

LOADING H15

DESIGN SPECIFICATIONS

2002 AASHTO Bridge Design Specifications

DESIGN STRESSES

FIELD UNITS

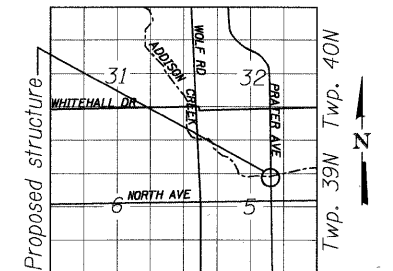
Reinforced Concrete:  
f'c = 3,000 psi (Existing)

Reinforcement:  
fy = 40 ksi (Existing)

SEISMIC DATA

Seismic Performance Zone (SPZ) = A  
Horizontal Bedrock Acceleration Coefficient (A) = 0.036g  
Site Coefficient (S) = 1.2

Range 12E - 3rd PM



LOCATION SKETCH

GENERAL PLAN  
PRATER AVENUE OVER  
ADDISON CREEK  
SECTION 09-00071-00-BR  
COOK COUNTY  
STATION  
STRUCTURE No. 016-7610

DESIGNED -
CHECKED -
DRAWN -
CHECKED -

EXAMINED	ENGINEER OF BRIDGE DESIGN
PASSED	ENGINEER OF BRIDGES AND STRUCTURES

NOTE: See Sheet 10 For Erosion Control And Staging Details.

SHEET NO. S-1 SHEETS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		09-00071-00-BR	COOK	31	28
CONTRACT NO. 63437					
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					