Flood Design
Base
Ex. Overtop
Freq. Yr.
100
350
Q
C.F.S.
Opening Sq. Ft.
Exist.
Prop.
Nat.
H.W.E.
Exist.
Prop.

WATERWAY INFORMATION

DESIGN STRESSES
FIELD UNITS
’c’ = 3,500 psi
f’ = 60,000 psi (reinforcement)

DESIGN SPECIFICATIONS
HIGHWAY CLASSIFICATION
LOADING HS20-44
Allow 50#/sq. ft. for future wearing surface.

PROFILE GRADE
(Along ~ roadway)
DHV: 162
Design Speed: 55 m.p.h.
Posted Speed: 55 m.p.h.

STAGE CONSTRUCTION SKETCH

STAGE CONSTRUCTION SKETCH

LOCATION SKETCH

LONGITUDINAL SECTION

PLAN

DESIGN SCOUR ELEVATION TABLE

Elevation (ft.)
Design Scour
375.15
U.S. Invert
374.85
D.S. Invert
374.80
D.H.W. Elev. 387.1

SITE DATA

Drainage Area = 0.80 sq. mi.

LOCATION SKETCH

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DESIGNER
CHECKED
DRAWN
CHECKED
REVISED
REVISED
REVISED

DATE
REVISED
REVISED
REVISED

TOTAL SHEETS
SHEETS
COUNT
SECTION
RTE.
DEPARTMENT OF TRANSPORTATION
STATE OF ILLINOIS

Existing Structures: 033-0032 Built 1928 under Section 102-B. The existing structure is a single span reinforced concrete slab bridge on pile supported closed abutments. Back to back of abutment length is 22'-0''. The contractor shall remove and replace it with a 9'x11'-6'' triple barrel box culvert. Traffic to be maintained utilizing single lane construction.

No salvage
Note: Precast alternate not allowed

The contractor shall remove and replace it with a 9'x11'-6'' triple barrel box culvert. Traffic to be maintained utilizing single lane construction.

Bench Mark: Chiseled " " NE corner of bridge 6' Left Station 686+19, Elev. 388.49

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No salvage
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