Bench Mark #409:
"□" cut on top of SW wingwall
of bridge, Sta 428+05.35, 21.4' Rt
Elev 623.39

Existing Structure SN 098-1006

No salvage.

A single span slab on closed abutments with a back to back of abutment length of 14'-0".

The existing structure is to be removed and replaced with a 14'x8' cast in place box culvert. The Road will be closed during construction.

Earth Excavation (See Roadway Plans)

-U.S. Elev 619.9

DHW (50 yr)
Elev 621.93

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

-Steel Bridge Rail

0

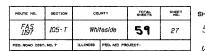
45'-0"

<u>1½:1</u> 1′-6"

−Namè Plate

D.S. Elev 619.75

1'-6"



SHEET NO. 1
5 SHEETS
64421

GENERAL NOTES

- Reinforcement bars shall conform to the requirements of AASHTO M31, or M322 Grade 60.
- Excavation behind existing abutment walls shall be done before removing the existing superstructure.
- 3. Precast concrete culvert alternative is not allowed.
- 4. For back filling and embankment, See Standard Specifications.
- The contractor shall make allowance for the deflection of forms, shrinkage and settlement of false work.
- 6. All construction joints shall be bonded.
- 7 Bridge approach pavement shall be poured after the removal of false work

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL	
Concrete Box Culverts	Cu.Yd.	76.4	
Reinforcement Bars, Epoxy Coated	Pound	13820	
Name Plates	Each	1	
Steel Bridge Rail	Lin. Ft.	32	
Bridge Deck Grooving	Sq. Yd.	53	
Protective Coat	Sq. Yd.	69	
Removal of Existing Structures No. 3	Each	1	

STATION 428+13.00 BUILT BY STATE OF ILLINOIS F.A.S. RT. 1197 SEC. 105-T

Patch of wild petunias NE of culvert should be protected against damage during all phases of construction

+1.26%

Sta 428+ 624.55 LOADING H\$20 STR. NO. 098-1013

NAME PLATE

See Std. 515001

R.6E. 3rd P.M.

R.6E. 3rd P.M.

R.6E. 3rd P.M.

Reliable Road Reliable Road Reliable Road Reliable Rel

LOCATION SKETCH

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications 17th Edition

LOADING HS20-44

Allow 50# per Sq. Ft. for future Wearing Surface

DESIGN STRESSES

f'c = 3,500 psify = 60,000 psi (Reinforcement)

APPROVED FOR STRUCTURAL ADEQUACY ONLY

Ralph E Andrian

ENGINEER OF BRIDGES AND STRUCTURES

GENERAL PLAN AND ELEVATION
FAS ROUTE 1197 - SECTION 105-T
WHITESIDE COUNTY
STATION 428+13.00
STRUCTURE NO. 098-1013

MID-AMERICA ENGINEERING SERVICES

975 South Durkin Dr, Springfield IL 62704

WATERWAY INFORMATION

existing structures No: 3

Drainage Area	Drainage Area = 2.07 sq mi			Low Grade Elev 623.64			◎ Sta 427+24.75			
Flood	Freq Freq		Opening	Sg Ft	Natural	Head	1- Ft	Headwa	ter El	
1 1000	Yr	C.F.S.	Exist	Prop	H.W. Elev.	Exist	Prop	Exist	Prop	
Design	50	411	56.2	86.7	621.93	2.00	0.46	623.93	622.39	
Base	100	465	57.7	88.5	622.06	2.11	0.55	624.17	622.61	
Overtop Exist	30	363	54.6		621.80	1.76		623.56		
Overtop Prop	500	590		92.5	622.35		0.74		623.09	

Limits of

1'-6"

U.S. Invert __ Elev 614.74

12:1

Flow

1/2:1

Boring B-1-

17'-6"

Roadway

32'-0"

13'-0"

3₁₆ "/ft

© Moline Road

LONGITUDINAL SECTION

35 -0"

17′-6"

∕-3″ ¢ Drains **©** ± 8′-0" cts

D.S. Invert Elev 614,44-

.86%

17'-6"

Boring B-2

13'-0"

Roadway
Grade Elev: 624.03

–€ Structure Sta 428+13.00''' PG Elev 623.97

-Grade Elev: 623.92

Moline Road

PLAN

16'-0"

13'-0"

17′-6"

16'-0"

Total Drop=336" PG-

3₁₆ "/ft

PROFILE GRADE

MANOUCHER

MASSINS

DE 1005041

SPRINGFELD

OF THE CONTROL OF THE

Bridge approach pavement Standard 420401

(Each End)

-1.62%

m. J. Austral No. 081-005041 Date Explais: 11-30-2006

LVC = 332'

Sta 427+ 622.46

\i-general plan and elevation.d Oct. 29, 2004 13:39:25

DESIGNED

CHECKED

CHECKED

DRAWN

K.R.G.

J.L.K.

M.D.

J.L.K.