FAS ROUTE	IDOT SECTION	COUNTY
1857	04-00071-00-BR	MONROE
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO.	BR-RS-1857(121)	
IDOT CONTRACT NO.	97323	

PROPERTY OWNER
PHYLLIS E. THOMAS

PROPERTY OWNER
RONALD & JEAN BYFORD

PROPERTY OWNER
PRINTICE & GLORIA AYCOCK

PROPERTY OWNER
LYLE WESSEL (TRUST)

CURVE DATA #C-2
P.I. = STA. 300+78.90
Δ = 34°36'11"
R = 1425.00'
T = 443.88'
L = 860.61'
E = 67.53'
e = 8.00%
T.R. = 39.96'
S.E. Run = 213.12'
P.C. = STA. 296+48.60
P.T. = STA. 305+09.21

ADDITIONAL CURVE GEOMETRICS:

S.E. TRANSITIONS:
REFER TO TYPICAL CROSS SECTIONS FOR SUPERELEVATION ATTAINMENT INFORMATION

C = 847.59'
D = 4°01'15"
M = 64.48'

MATCHLINE 300+00

EX. R.O.W.

℄ EXIST. BLUFF ROAD

EXIST. AGGREGATE SHLDR.

EXIST. 15" CMP (T.B.R.)

EXIST. DITCH FLOWLINE

EXIST. E.O.P.

PROP. DITCH FLOWLINE

STAGE CONST. DRAINAGE

℄ PROP. BLUFF ROAD

PROP. HMA SHOULDERS

PROP. AGGREGATE SHLDR.

PROP. R.O.W.

CONST. LIMITS

PROP. 48" RCP PIPE CULVERT W/ FES EACH SIDE

PROP. RUMBLE STRIPS ALONG EDGE-OF-PAVEMENT

PROP. GUARDRAIL PER STD. LR SD 630 W/ T-1 (SPECIAL) GUARDRAIL TERMINAL EACH END

PROP. E.O.P.

+60.24 21.12' RT
+09.68 20.0' RT
+50.24 26.24' RT
+85.24 26.24' RT
+09.42 17.14' RT
+25.81 20.0' RT
+33.14 20.0' RT
+95.56 21.12' RT
+45.72 17.14' RT
+19.58 26.24' RT
+74.62 105' RT
+53.82 59.75' RT

PT = 305+09.21

PT = 305+84.10

END CONSTRUCTION STA. 12+02.04

℄ EXIST. HANOVER RD

FLOWLINE CREEK (& PROPERTY LINE)

+10.90 205.66' LT

EXIST. STRUCTURE AND ABUTMENTS (TO BE REMOVED)

TEMP. CONST. EASEMENT

+61.31 101.80' LT

EXIST. 12" CMP (T.B.R.)

+83.84 20.08' LT

+25.20 21.0' LT

STAGE CONST. DRAINAGE

PROP. HMA SHOULDERS

PROP. DITCH FLOWLINE
+02.18 117.25' LT
+02.18 93.49' LT

+62.95 21.0' LT
+76.59 23.24' LT
+11.59 23.24' LT
+31.61 20.0' LT

EXIST. DITCH FLOWLINE
+0.00 112.54' LT
+0.00 84.45' LT

EX. R.O.W.

MATCHLINE 312+00

+06.84 19.74' RT
+02.23 75' RT
+25.36 75' RT
+28.26 81.67' RT
+09.83 90.55' RT

CONST. LIMITS

PC = 310+10.77

+49.45 21.0' RT
+94 21.0' RT

PROP. R.O.W.

+48.26
+58.26 23.24' RT
+77.17 20.0' RT
+10.04 21.0' RT
+23.26 23.24' RT
+0.00 50' RT
+0.00 75' RT

PROP. GUARDRAIL PER STD. LR SD 630 W/ T-1 (SPECIAL) GUARDRAIL TERMINAL

BEGIN CONSTRUCTION STA. 8+50.08

PROP. RUMBLE STRIPS ALONG EDGE-OF-PAVEMENT

EX. LEVEE R.O.W.

℄ EXIST. B ROAD

PROPERTY LINE

℄ STA. 305+94.29 EXIST. BLUFF RD.=
℄ STA. 9+97.39 HANOVER RD./B RD.

℄ STA. 306+47.91 PROP. BLUFF RD.=
℄ STA. 9+54.79 HANOVER RD./B RD.
(REFER TO PLAN & PROFILE SHEET FOR HANOVER/B ROAD FOR DETAILS)

HIGH POINT ELEV = 418.94
HIGH POINT STA = 305+67.70
PVI STA = 304+47.70
PVI ELEV = 419.74
A.D. = -2.50
K = 160.00
400.00' VC

CURVE DATA #C-3
P.I. = STA. 314+46.15
Δ = 33°09'00"
R = 1505.00'
T = 447.94'
L = 870.75'
E = 65.25'
e = 8.00%
T.R. = 39.96'
S.E. Run = 213.12'
P.C. = STA. 310+10.77
P.T. = STA. 318+81.53

ADDITIONAL CURVE GEOMETRICS:

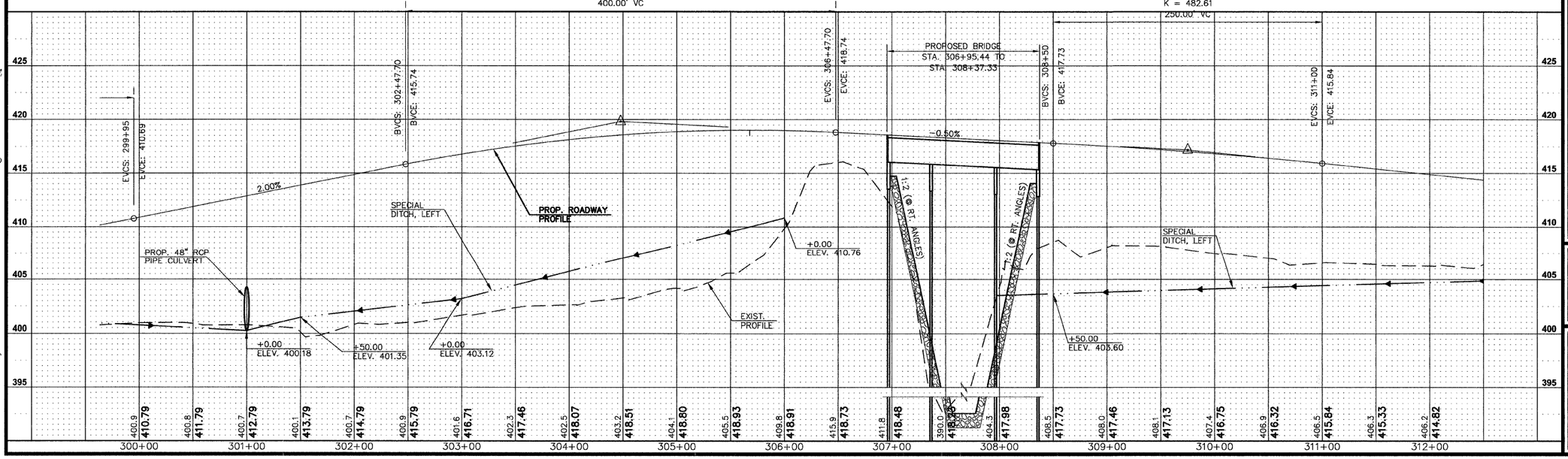
S.E. TRANSITIONS:
REFER TO TYPICAL CROSS SECTIONS FOR SUPERELEVATION ATTAINMENT INFORMATION

C = 858.66'
D = 3°48'25"
M = 62.54'

℄ PROPOSED STRUCTURE,
33' WIDE, 3 SPAN (40', 60' 40'),
27" PRECAST, PRESTRESSED CONCRETE DECK BEAM WITH
3" BITUMINOUS WEARING SURFACE
℄ STA. 307+66.38, 30° (RIGHT-FORWARD)
(RIPRAP UNDER STRUCTURE NOT SHOWN FOR CLARITY)

PVI STA = 309+75
PVI ELEV = 417.11
A.D. = -0.52
K = 482.61
250.00' VC

50' 0 50' 100'
GRAPHIC SCALE



P:\040125\Roadway Plans\DWG\PLAN & PROFILES.dwg 10/30/2007 1:44:11 PM CDT

THOUVENOT, WADE & MOERCHEN, INC.
ENGINEERS ◆ SURVEYORS ◆ PLANNERS

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waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

FINAL

Signature:
Signature Date:
Expiration Date:

STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the architectural, engineering or survey project.

TITLE: **PLAN AND PROFILE STA. 300+00 TO STA. 312+00 BLUFF ROAD (CTY. HWY. 6)**

PROJECT: **BLUFF ROAD (CTY. HWY. 6) BRIDGE REPLACEMENT OVER FOUNTAIN CREEK MONROE COUNTY, IL**

REV.	DATE	DESCRIPTION
1		
2		
3		

DRAWN BY:	KBF/JWS
DESIGNED BY:	BJG
CHECKED BY:	SJK
APPROVED BY:	SJK
PROJECT NUMBER	T16-040125

SHEET 16 OF 67 SHEETS

PROJECT DESCRIPTION
BLUFF RD. BRIDGE OVER FOUNTAIN CRK.

☐ ISSUED FOR REVIEW ☐ ISSUED FOR BIDDING
☒ ISSUED FOR CONSTR. ☐ RECORD DRAWING