


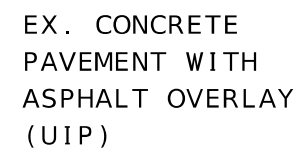
FOR INFORMATION ONLY	
ESTIMATED DISTURBED ACRES	0.0 ACRES



Paul J. Kronlage
10/21/2025 10:17:47 AM
Paul J. Kronlage - Civil
MO PE - 023328

BRIDGE NO.

1. *Journal of the American Medical Association*, 2000; 284: 2689-2694.



TYPICAL SECTION
SHEET 1 OF 1

002_TS_01_JSLM0071_i1.dgn 10:03:42 AM 10/21/2025

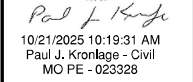
EKF Moen
Civil Engineering Design
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Phone 314-394-3100
Fax 314-394-3199
Missouri Certificate of Authority: 001578

1. ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT.

2. THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST, AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILITY OF THE INFORMATION FOR ANY USE. RELIANCE UPON THIS INFORMATION IS DONE AT THE RISK AND PERIL OF THE USER, AND THE COMMISSION SHALL NOT BE LIABLE FOR ANY DAMAGES THAT MAY ARISE FROM ANY ERROR IN THE INFORMATION. IT IS, THEREFORE, THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE, LOCATION AND STATUS OF ANY FACILITY. SUCH VERIFICATION INCLUDES DIRECT CONTACT WITH THE LISTED UTILITIES.

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



ROUTES 141&21	STATE MO
DISTRICT SL	SHEET NO. 4

CONTRACT ID.
PROJECT NO.

© 2006 The Authors
Journal compilation © 2006 Blackwell Publishing Ltd

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

103 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

JEFF K. MOEN
Civil Engineering Design
3523 Barrett Parkway Dr
Suite 250
Phone 314-271-1111

Phone **314-394-3100**
 Fax **314-394-3199**

Missouri Certificate of Authority: 001578

PLAN SHEET
1 OF 2
ROUTE 141

ROUTE 141 & I-44

ALL PROJECT COORDINATES HAVE BEEN PROJECTED FROM THE MISSOURI STATE PLANE COORDINATE (SPC) SYSTEM OF 1983 USING AN AVERAGE PROJECT PROJECTION (GRID TO GROUND) FACTOR. TO GET BACK TO STATE PLANE COORDINATES, MULTIPLY THE PROJECT COORDINATES BY THE AVERAGE GRID FACTOR AS SHOWN IN THE "REFERENCE CONTROL INFORMATION" PORTION OF THIS TABLE.

PROJECT COORDINATE INFORMATION

COORDINATE SYSTEM	MODIFIED MISSOURI STATE PLANE
HORIZONTAL DATUM	NAD 83 (2011) (EPOCH 2010)
VERTICAL DATUM	NAVD 88: GNSS DERIVED
GEOID MODEL	18
ELEVATIONS DETERMINED BY	GNS DERIVED

PROJECT PROJECTION FACTOR

1.00008780

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	MISSOURI COORDIANTE SYSTEM OF 1983
CONTROL STATION	MISSOURI CORS
DESIGNATION	SEILER TREECOURT CORS ARP
CORS_ID	MOSI
PID	DL3650
LATITUDE	38° 33' 44.23042" (N)
LONGITUDE	090° 40' 40.90270" (W)
NORTHING (M)	302,843.562
EASTING (M)	253,367.383
ZONE	EAST

PROJECT AVERAGE GRID FACTOR

0.99991221

EXAMPLE OF PROJECT COORDINATE TO S.P.C.

PROJECT NORTHING X AVERAGE GRID FACTOR
= STATE PLANE NORTHING
PROJECT EASTING X AVERAGE GRID FACTOR
= STATE PLANE EASTING

EXAMPLE: CONTROL POINT #56

N 985319.548 X 0.99991221 = N 985233.0445
E 821655.558 X 0.99991221 = E 821583.4230

LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

CONTROL POINT NO. 56
IRON ROD W/CAP
N: 985319.548
E: 821655.558
EL: 437.94

CONTROL POINT NO. 57
IRON ROD W/CAP
N: 985287.954
E: 821398.640
EL: 444.58

CONTROL POINT NO. 58
IRON ROD W/CAP
N: 985230.124
E: 821230.900
EL: 438.44

ROUTE 21 & HAYDEN ROAD

ALL PROJECT COORDINATES HAVE BEEN PROJECTED FROM THE MISSOURI STATE PLANE COORDINATE (SPC) SYSTEM OF 1983 USING AN AVERAGE PROJECT PROJECTION (GRID TO GROUND) FACTOR. TO GET BACK TO STATE PLANE COORDINATES, MULTIPLY THE PROJECT COORDINATES BY THE AVERAGE GRID FACTOR AS SHOWN IN THE "REFERENCE CONTROL INFORMATION" PORTION OF THIS TABLE.

PROJECT COORDINATE INFORMATION

COORDINATE SYSTEM	MODIFIED MISSOURI STATE PLANE
HORIZONTAL DATUM	NAD 83 (2011) (EPOCH 2010)
VERTICAL DATUM	NAVD 88: GNSS DERIVED
GEOID MODEL	18
ELEVATIONS DETERMINED BY	GNS DERIVED

PROJECT PROJECTION FACTOR

1.00008780

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	MISSOURI COORDINATE SYSTEM OF 1983
CONTROL STATION	MISSOURI CORS
DESIGNATION	MODOT FESTUS CORS ARP
CORS_ID	MOFE
PID	DL6016
LATITUDE	38° 11' 41.32789" (N)
LONGITUDE	090° 23' 21.17716" (W)
NORTHING (M)	262,060.537
EASTING (M)	259,703.999
ZONE	EAST

PROJECT AVERAGE GRID FACTOR

0.99991221

EXAMPLE OF PROJECT COORDINATE TO S.P.C.

PROJECT NORTHING X AVERAGE GRID FACTOR
= STATE PLANE NORTHING
PROJECT EASTING X AVERAGE GRID FACTOR
= STATE PLANE EASTING

EXAMPLE: CONTROL POINT #1

N 886904.765 X 0.99991221 = N 886826.9036
E 804993.439 X 0.99991221 = E 804922.7686

LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

CONTROL POINT NO. 1
MAG NAIL
N: 886904.765
E: 804993.439
EL: 602.73

CONTROL POINT NO. 2
MAG NAIL
N: 886857.665
E: 805312.885
EL: 582.81

REFERENCE POINTS
SHEET 1 OF 1

STATE OF MISSOURI
PAUL J. KRONLAGE
NUMBER
EN 023328
PROFESSIONAL ENGINEER

Paul J. Kronlage
10/21/2025 10:30:49 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
10/21/2025

ROUTES
141&21

STATE
MO

DISTRICT
SL

SHEET NO.
6

COUNTY
ST LOUIS & JEFFERSON

JOB NO.
JSLM0071

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

MoDOT

1-888-ASK-MODOT (1-888-275-6636)

EFK Moen

Civil Engineering Design

13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Phone 314-394-3100
Fax 314-394-3199
Missouri Certificate of Authority: 001578

006_RP_01_JSLM0071_i1.dgn 10:25:50 AM 10/21/2025

REV.

GENERAL NOTES:

1. ALL COORDINATES AND BEARINGS BASED ON MISSOURI STATE PLANE, EASTERN ZONE.
2. ALL LAYOUT MEASUREMENTS SHOWN ARE TO THE FRONT FACE OF TYPE C BARRIER.
3. SEE WALL PLANS FOR TYPE D BARRIER.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



Paul J. Kronlage
10/21/2025 10:22:40 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
10/21/2025

ROUTES
141&21

STATE
MO

DISTRICT
SL

SHEET NO.
8

COUNTY
ST LOUIS & JEFFERSON

JOB NO.
JSLM0071

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

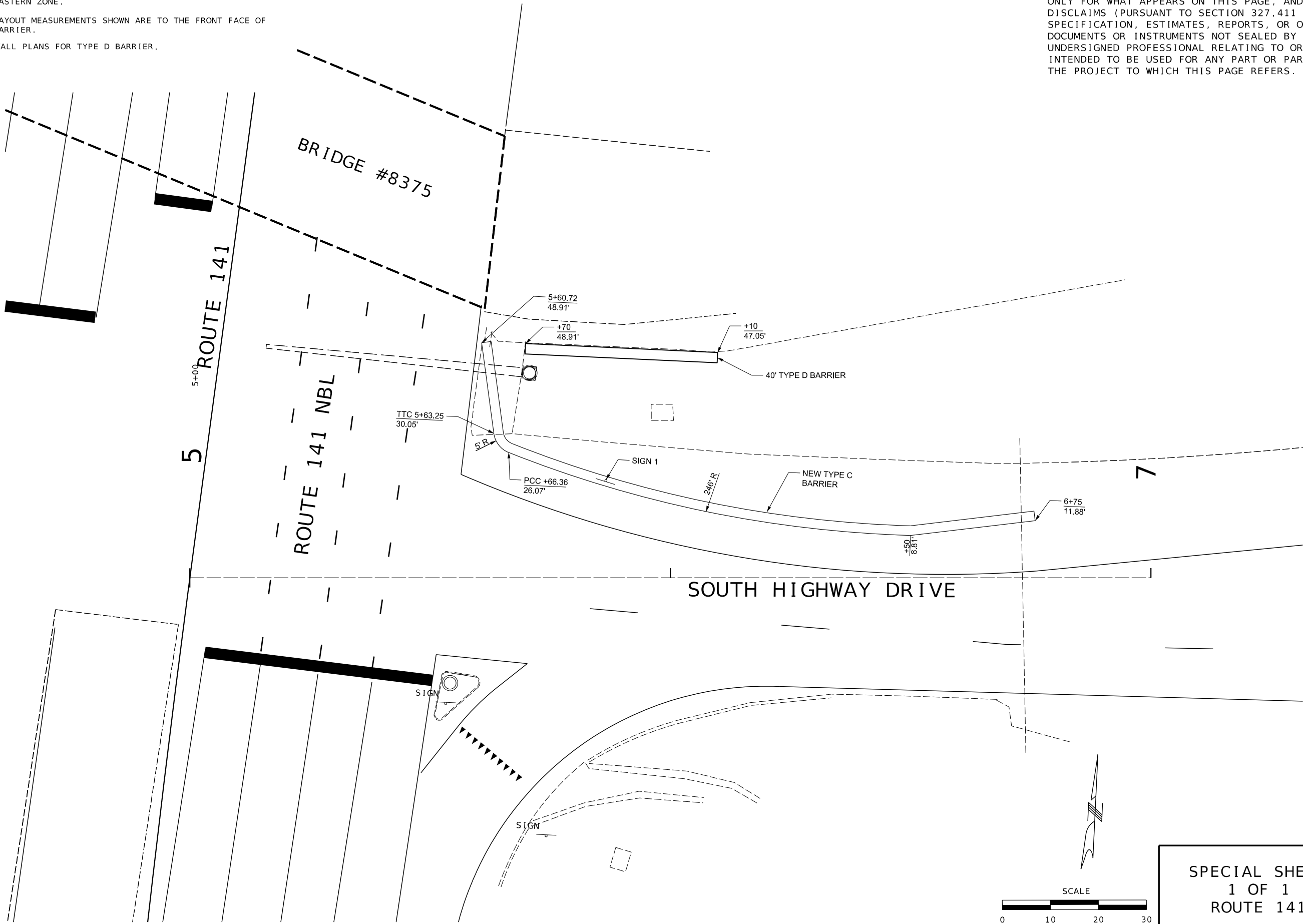
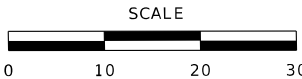
DATE

DATE

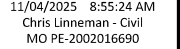
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

EFK Moen
Civil Engineering Design
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Phone 314-394-3100
Fax 314-394-3199
Missouri Certificate of Authority: 001578

SPECIAL SHEET
1 OF 1
ROUTE 141



SEC/SUR	1983	TWP	44N	RGE	5E
---------	------	-----	-----	-----	----



DATE PREPARED
8/28/2025

ROUTE	STATE
141	MO

DISTRICT	SHEET NO.
BR	1

COUNTY
ST. LOUIS

JOB NO.
JSLM0071

CONTRACT ID.

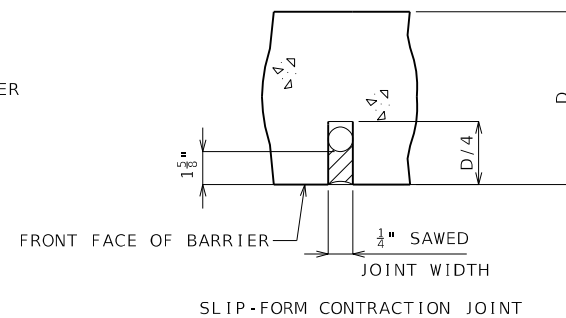
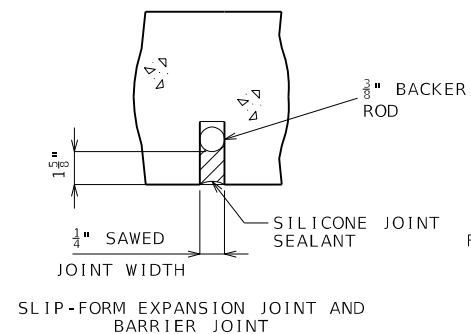
PROJECT NO.

BRIDGE NO.
A83771


MoDOT
 MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

E•F•K•Moen
Civil Engineering Design
13523 Barrett Parkway Dr.
Suite 250
St. Louis, MO 63021
Phone 314-394-3100
Fax 314-394-3199
Missouri Certificate of Authority: 001578

REV.



ROUTE 1-44 FROM ROUTE 109 TO ROUTE 1-270
AT ROUTE 141 INTERCHANGE
TIE STATION 19+8.62± @ RAMP 6

O:\2022R3\MoDOT_ORD_v10.12.02.04\25025 MoDOT I-44 Route 141 MSE Wall\DGN\Bridge\Final\Plotsheets\B_A8377_001\JSLM0071_Barrier.dgn 8:54:58 AM 11/4/2025