



MEMORANDUM
Missouri Department of Transportation
Project Development
SW District

TO: Becky Baltz
District Engineer

CC: Steve Shelton
Right of Way Manager

FROM: Linda Bokel
Project Manager

DATE: June 27, 2013

SUBJECT: Design
Route 60, Greene County
Job No. J8P0683D
At Route J/NN , From Farm Rd. 193 to Farm Rd. 205

LETTER OF APPROVAL

FOR

RIGHT OF WAY PLANS

I attest that the above project has been developed in compliance with the *Engineering Policy Guide* (see 236.13 Designing of Right of Way Plans).

copy: Design
Right of Way

Approved by: Becky Baltz
District Engineer

June 27, 2013
Date



*Our mission is to provide a world-class transportation experience that
delights our customers and promotes a prosperous Missouri.*

www.modot.org

DESIGN DESIGNATION

A.A.D.T. - 2013 = 29300

A.A.D.T. - 2033 = 61525

D.H.V. = X%

T = X%

V = 60 M.P.H. (RTE 60)

V = 50 M.P.H. (RTE J AND NN)

V = 45 M.P.H. (OUTER ROADS)

FUNCTIONAL CLASSIFICATION- PRINCIPAL ARTERIAL
(MAJOR ROUTE)

FULLY CONTROLLED ACCESS HIGHWAY

THIS SHALL BE A FULLY CONTROLLED ACCESS HIGHWAY BETWEEN STA. 241+34.00 AND STA. 225+00.00. NO ABUTTING OWNER SHALL HAVE THE RIGHT OF DIRECT ACCESS TO SAID HIGHWAY OR ITS RIGHT-OF-WAY EXCEPT THAT ACCESS WILL BE PERMITTED TO ANY ADJACENT OUTER ROADWAY OR SERVICE ROAD TO WHICH ACCESS IS NOT SPECIFICALLY PROHIBITED BY THE SPECIAL SYMBOL DENOTING "NO RIGHT OF ACCESS" AS SHOWN ON THE PLANS. NO ACCESS WILL BE PERMITTED FROM OUTER ROADWAYS AND SERVICE ROADS TO THROUGHWAYS EXCEPT ALONG ROUTES CONSTRUCTED FOR THAT PURPOSE. OUTER ROADWAYS AND SERVICE ROADS, AS THE CASE MAY BE, ARE SO DESIGNATED ON THE PLANS.

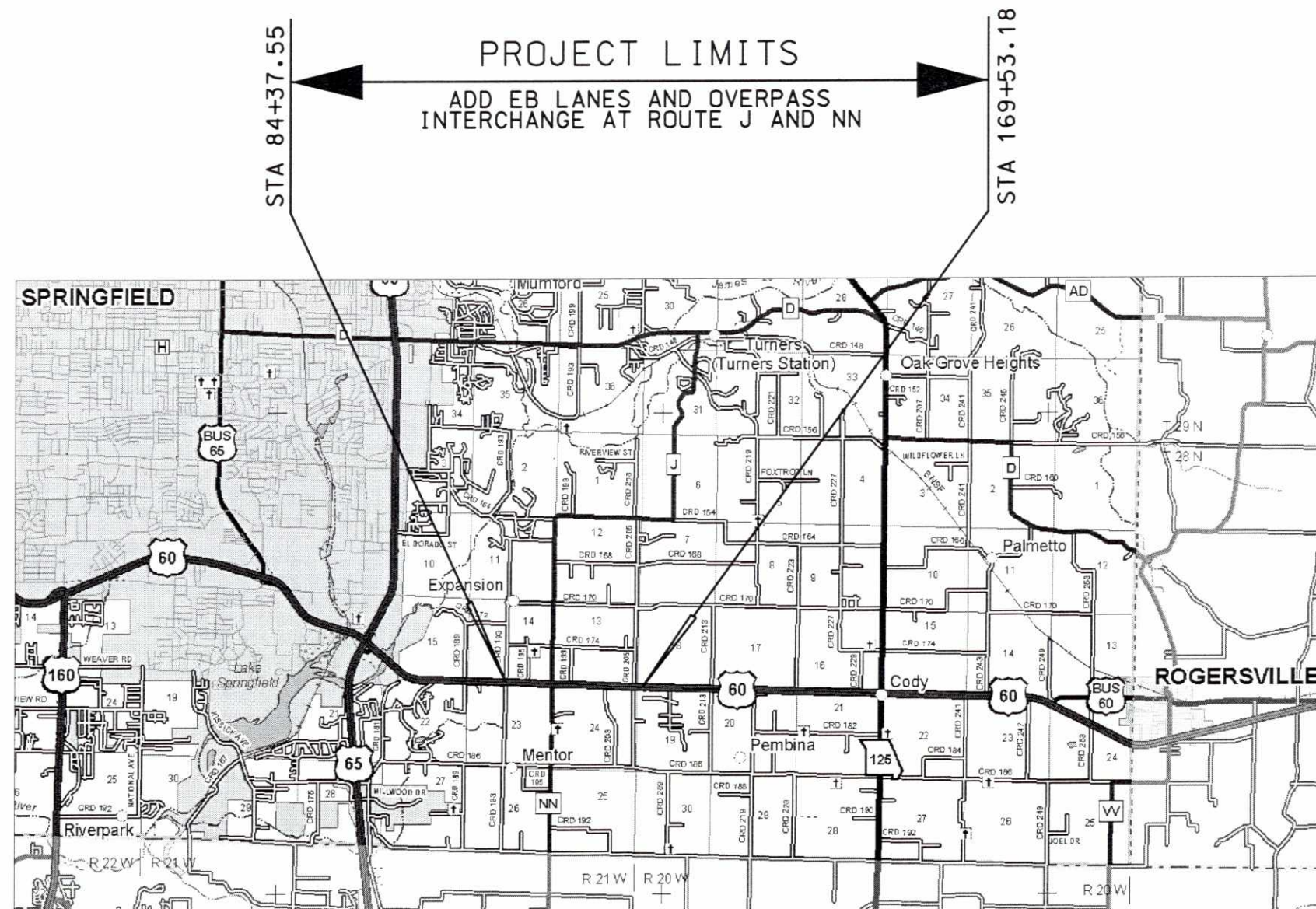
- +—+—+— BEGINNING AND ENDING OF CONTROLLED ACCESS
- +—+—+— CONTROLLED ACCESS
- +—+—+— NO RIGHT OF ACCESS OR CROSSING OF LINES BEARING THIS SYMBOL WILL BE PERMITTED UNDER ANY CIRCUMSTANCES.
- +—+—+— TEMPORARY ACCESS THROUGH FUTURE NO RIGHT OF ACCESS

CONVENTIONAL SYMBOLS
(USED IN PLANS)

	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS		
OVERHEAD TELEPHONE		
UNDERGROUND TELEPHONE		
OVERHEAD POWER		
UNDERGROUND POWER		
GAS		
WATER		
MANHOLE		
FIRE HYDRANT		
WATER VALVE		
WATER METER		
DROP INLET		
DITCH BLOCK		
GROUND MOUNTED SIGN		
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL		
FENCE		
CHAIN LINK		
WOVEN WIRE		
GATE POST		
BENCHMARK		

NOTE: DASHED OR OPEN SYMBOLS INDICATE
EXISTING FEATURESMISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED
STATE HIGHWAY
RIGHT OF WAY PLANS
GREENE COUNTY

NOT TO SCALE



INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (4 SHEETS)	2
QUANTITIES (QU) (XX SHEETS)	XX-XX
PLAN-PROFILE (PP)	4-20
RIGHT OF WAY (RW)	RW1
REFERENCE POINTS (RP)	XX-XX
COORDINATE POINTS (CP)	XX-XX
SPECIAL SHEETS (SS)	XX-XX
TRAFFIC CONTROL SHEETS (TC)	XX-XX
EROSION CONTROL SHEETS (EC)	XX-XX
LIGHTING (LT)	XX-XX
SIGNALS (SG)	XX-XX
SIGNING (SN)	XX-XX
PAVEMENT MARKING (PM)	XX-XX
CULVERT SECTIONS (CS)	XX-XX
BRIDGE DRAWINGS (B)	
A####	XX-XX
A####	XX-XX
A####	XX-XX
A####	XX-XX
CROSS SECTIONS (XS)	XX-XX

LENGTH OF PROJECT

BEGINNING OF PROJECT	STA. 84+37.55
END OF PROJECT	STA. 169+53.18
APPARENT LENGTH	8515.63 FEET
EQUATIONS AND EXCEPTIONS:	

TOTAL CORRECTIONS	0 FEET
NET LENGTH OF PROJECT	8515.63 FEET
STATE LENGTH	1.613 MILES

THIS MEDIA SHOULD
NOT BE CONSIDERED
A CERTIFIED
DOCUMENT.DATE PREPARED
6/26/2013ROUTE
60STATE
MODISTRICT
SWSHEET NO.
1COUNTY
GREENEJOB NO.
J8P0683D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

MODOT

REV.

"THIS MEDIA SHOULD
NOT BE CONSIDERED
A CERTIFIED
DOCUMENT."

DATE PREPARED
7/11/2013

ROUTE	STATE
60	MO

DISTRICT	SHEET NO.
SW	2

COUNTY
GREENE

JOB NO.
J8P0683D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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DATE						
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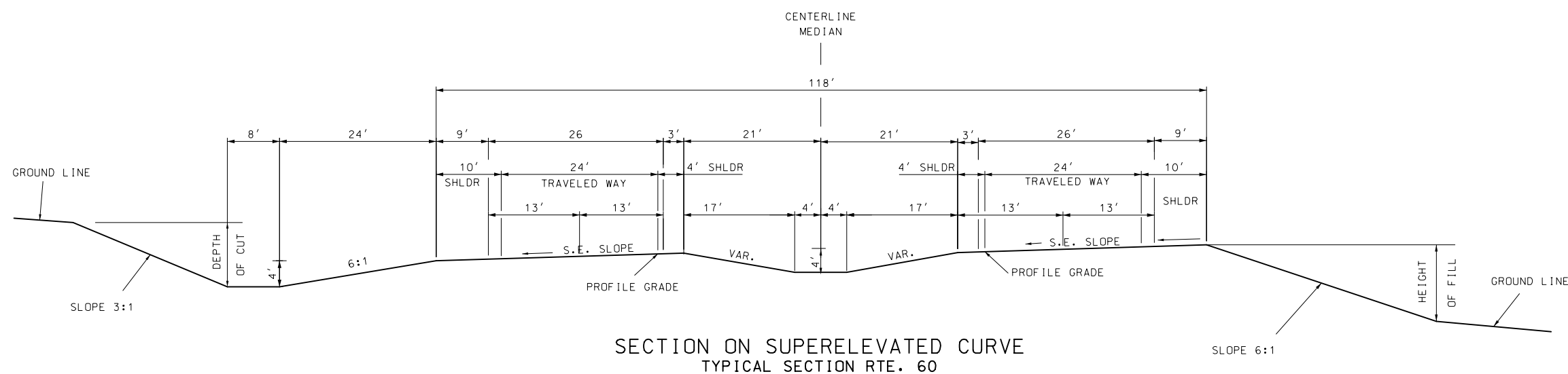
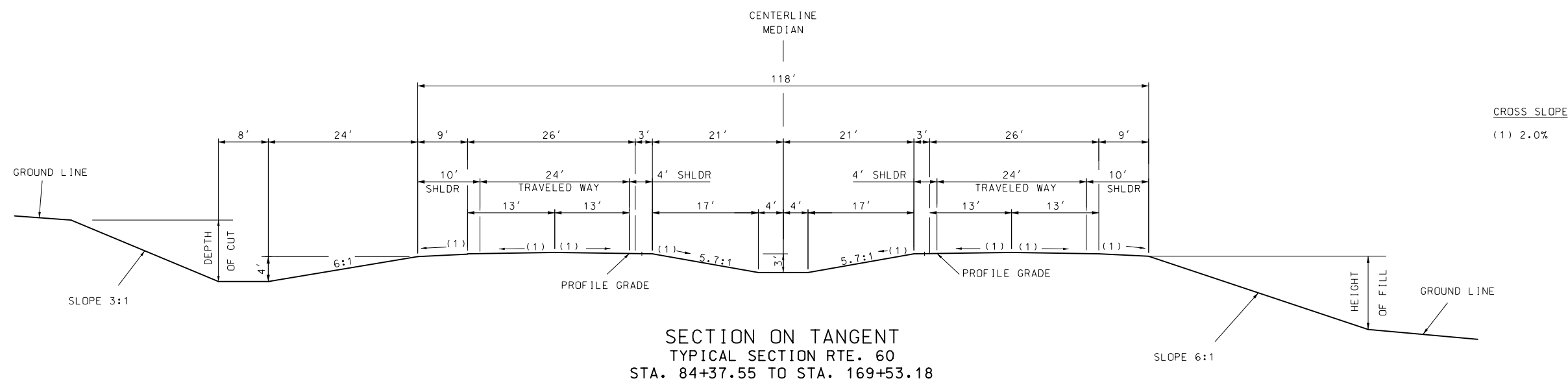
STATISTICS

EST
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105 W
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PERSON



MI



TYPICAL SECTION
SHEET 1 OF 4

"THIS MEDIA SHOULD
NOT BE CONSIDERED
A CERTIFIED
DOCUMENT."

DATE PREPARED
7/11/2013

ROUTE	STATE
60	MO

DISTRICT SW	SHEET NO. 2
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COUNTY
GREENE

JOB NO.
J8P0683D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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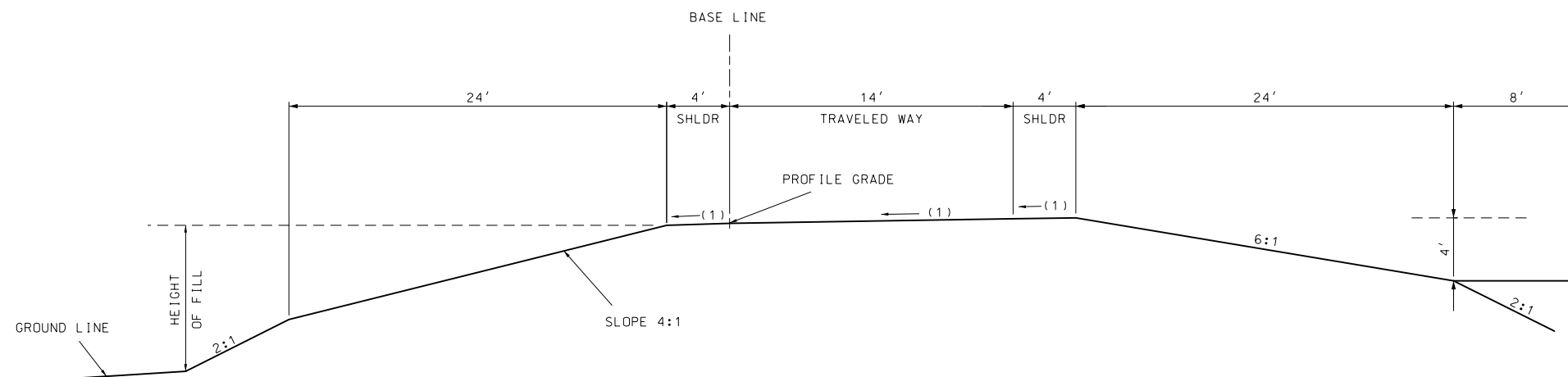
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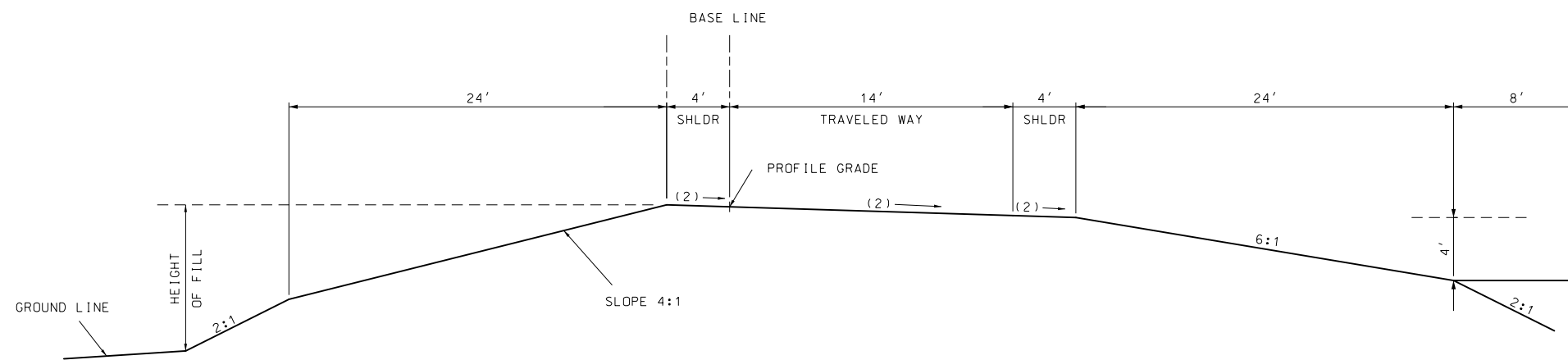


CROSS SLOPE

(1) 2.0%

(2) S.E. SLOPE IF GREATER
THAN 2.0%.

SECTION ON TANGENT
TYPICAL SECTION RAMPS 1 & 3
RAMP 1 STA. 3+67.09 TO STA. 11+78.05
RAMP 3 STA. 0+62.00 TO STA. 11+36.78



SECTION ON SUPERELEVATED CURVE
TYPICAL SECTION RAMPS 1 & 3

"THIS MEDIA SHOULD
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7/11/2013

ROUTE	STATE
60	MO

DISTRICT	SHEET NO.
SW	2

COUNTY
GREENE

JOB NO.
J8P0683D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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DATE						
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1 PERSON

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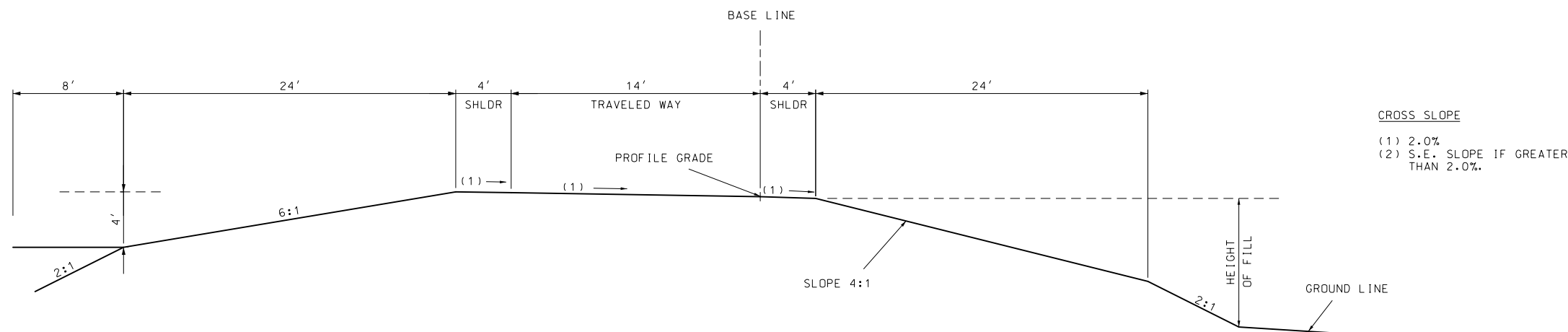


UNIVERSITY OF THE PACIFIC

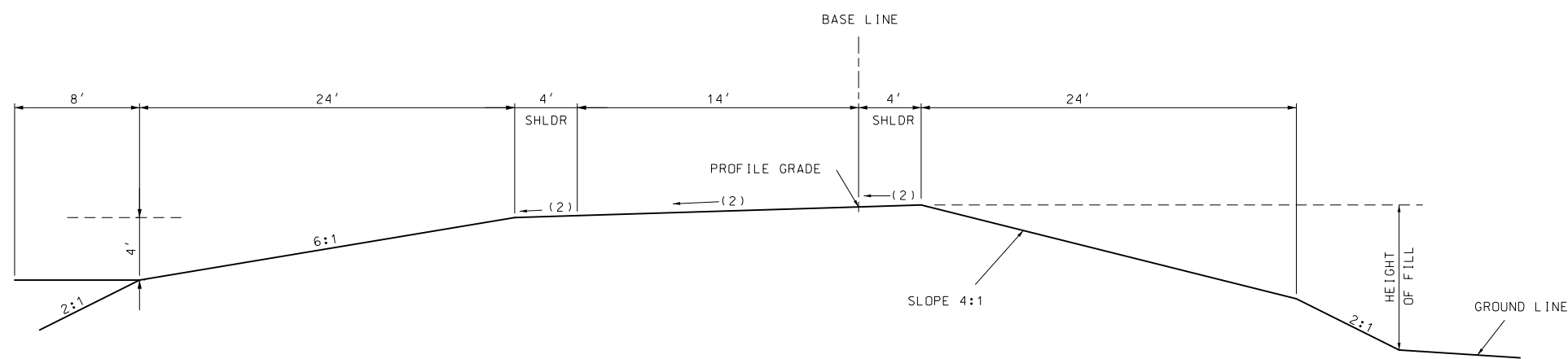
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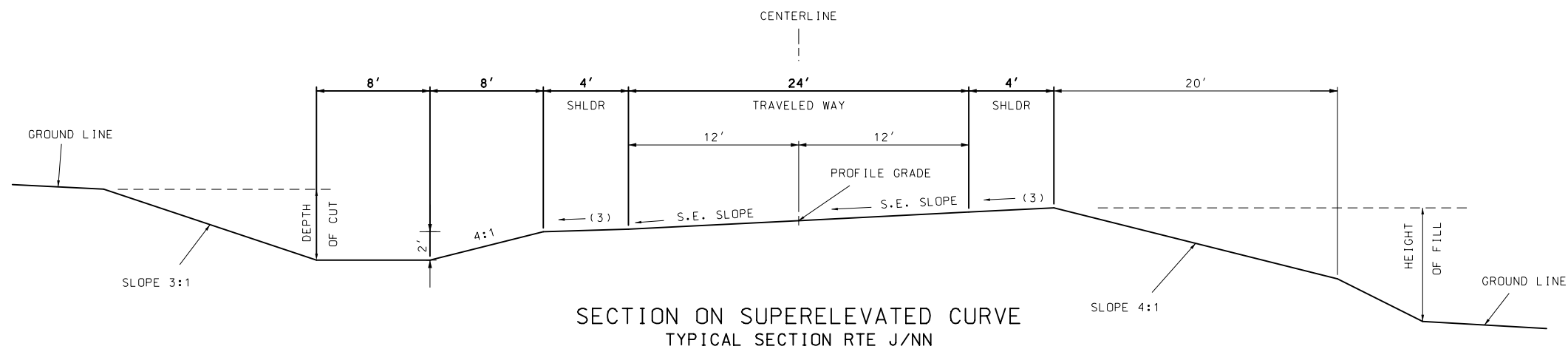
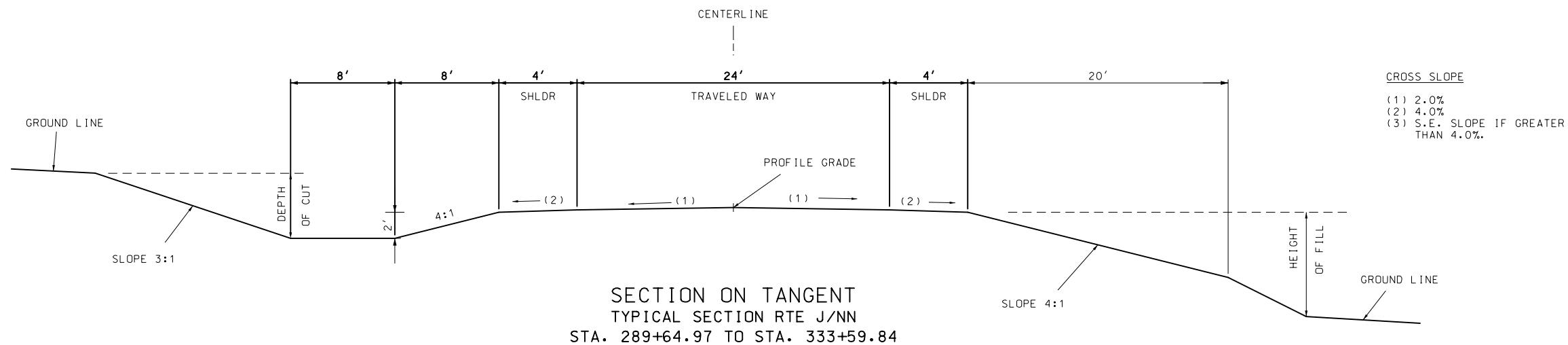


SECTION ON TANGENT
TYPICAL SECTION RAMPS 2 & 4
RAMP 2 STA. 2+35.41 TO STA. 15+80.54
RAMP 4 STA. 0+63.06 TO STA. 9+90.48



SECTION ON SUPERELEVATED CURVE
TYPICAL SECTION RAMPS 2 & 4

TYPICAL SECTIONS
SHEET 3 OF 4



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DATE PREPARED
7/11/2013

ROUTE
60

DISTRICT
SW

STATE
MO

SHEET NO.
2

COUNTY
GREENE

JOB NO.
J8P0683D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

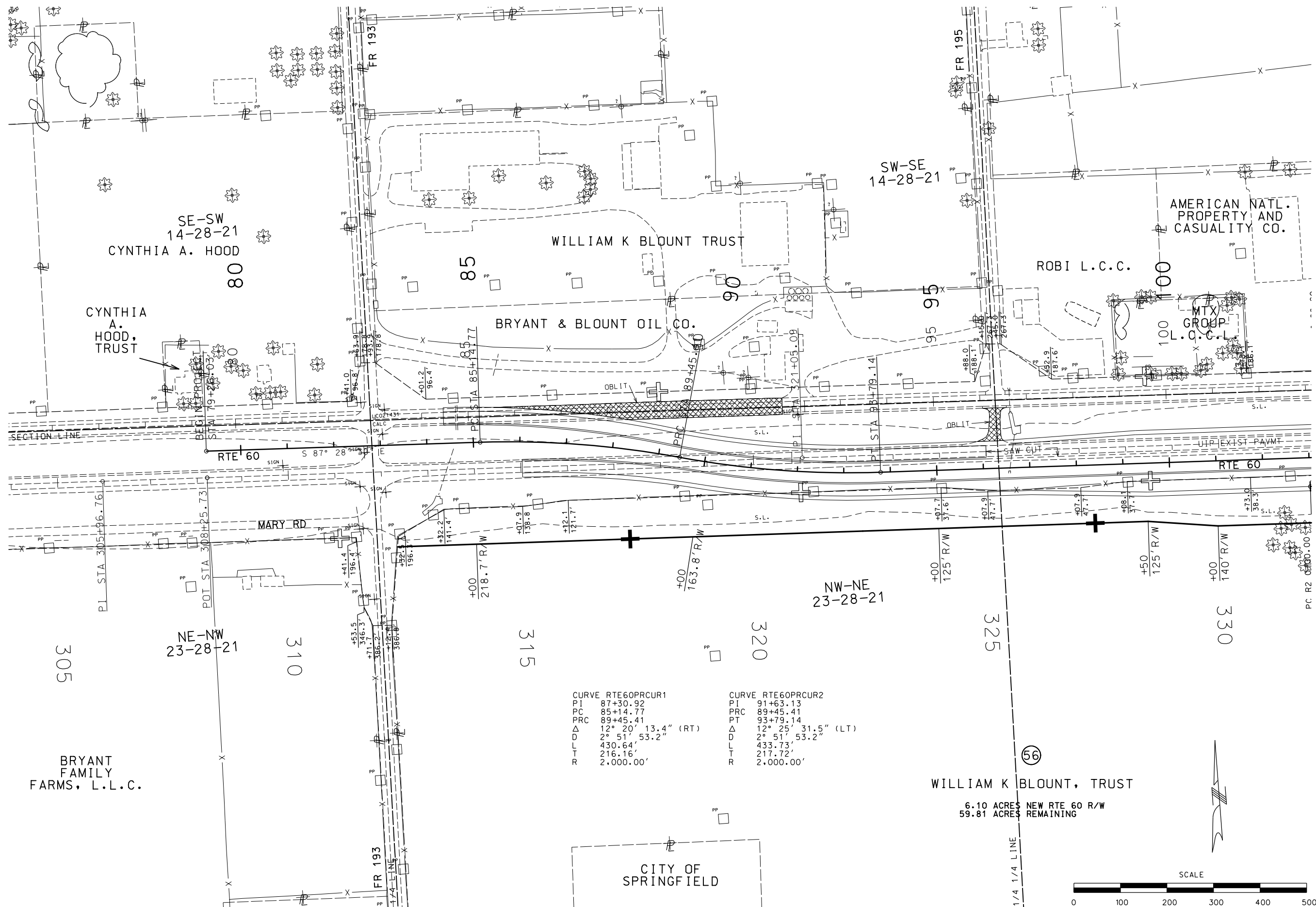
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MODOT

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

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



THIS MEDIA SHOULD
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DATE PREPARED

DATE	STATE
60	MO

DISTRICT	SHEET NO.
SW	4

COUNTY
GREENE

JOB NO.
8P0683D

CONTRACT ID.

PROJECT NO.

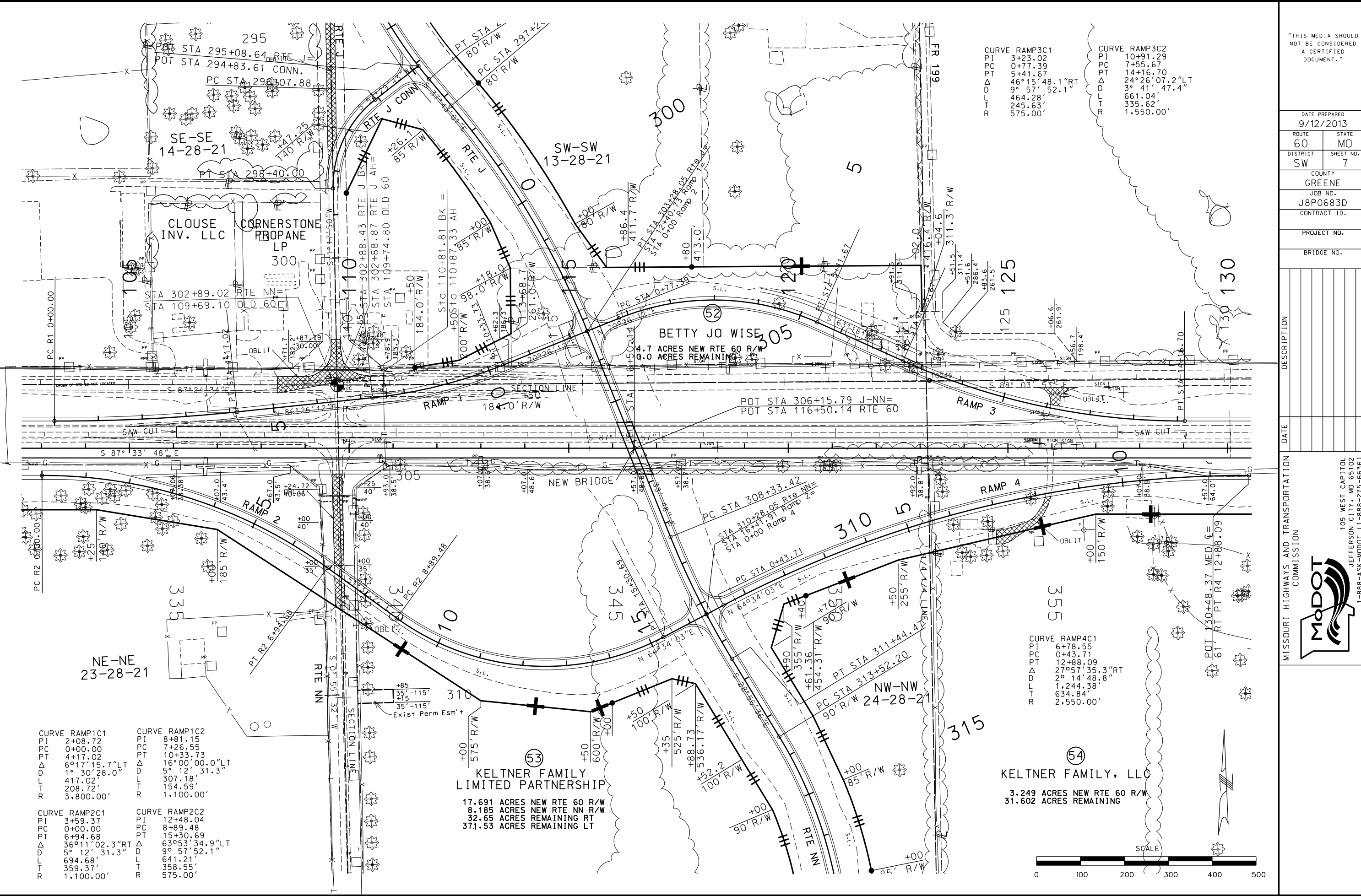
BRIDGE NO.

COMMISSION



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

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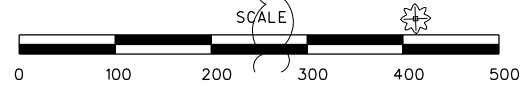
CURVE RAMP1C1		CURVE RAMP1C2	
PI	2+08.72	PI	8+81.15
PC	0+00.00	PC	7+26.55
PT	4+17.02	PT	10+33.73
Δ	6°17'15.7"LT	Δ	16°00'00.0"LT
D	1°30'28.0"	D	5°12'31.3"
L	417.02'	L	307.18'
T	208.72'	T	154.59'
R	3,800.00'	R	1,100.00'

CURVE RAMP2C1		CURVE RAMP2C2	
PI	3+59.37	PI	12+48.04
PC	0+00.00	PC	8+89.48
PT	6+94.68	PT	15+30.69
Δ	36°11'02.3"RT	Δ	63°53'34.9"LT
D	5°12'31.3"	D	9°57'52.1"
L	694.68'	L	641.21'
T	359.37'	T	358.55'
R	1,100.00'	R	575.00'

(53) KELTNER FAMILY LIMITED PARTNERSHIP
17.691 ACRES NEW RTE 60 R/W
8.185 ACRES NEW RTE NN R/W
32.65 ACRES REMAINING RT
371.53 ACRES REMAINING LT

(54) KELTNER FAMILY, LLC
3.249 ACRES NEW RTE 60 R/W
31.602 ACRES REMAINING

CURVE RAMP3C1		CURVE RAMP3C2	
PI	3+23.02	PI	10+91.29
PC	0+77.39	PC	7+55.67
PT	5+41.67	PT	14+16.70
Δ	46°15'48.1"RT	Δ	24°26'07.2"LT
D	9°57'52.1"	D	3°41'47.4"
L	464.28'	L	661.04'
T	245.63'	T	335.62'
R	575.00'	R	1,550.00'



THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT.

DATE PREPARED
9/12/2013

ROUTE 60	STATE MO
DISTRICT SW	SHEET NO. 7

COUNTY
GREENE

JOB NO.
J8P0683D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED
7/11/2013

ROUTE
60

DISTRICT
SW

STATE
MO

SHEET NO.
8

COUNTY
GREENE

JOB NO.
J8P0683D

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PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

RTE 60
NEW WEST
BOUND LANES

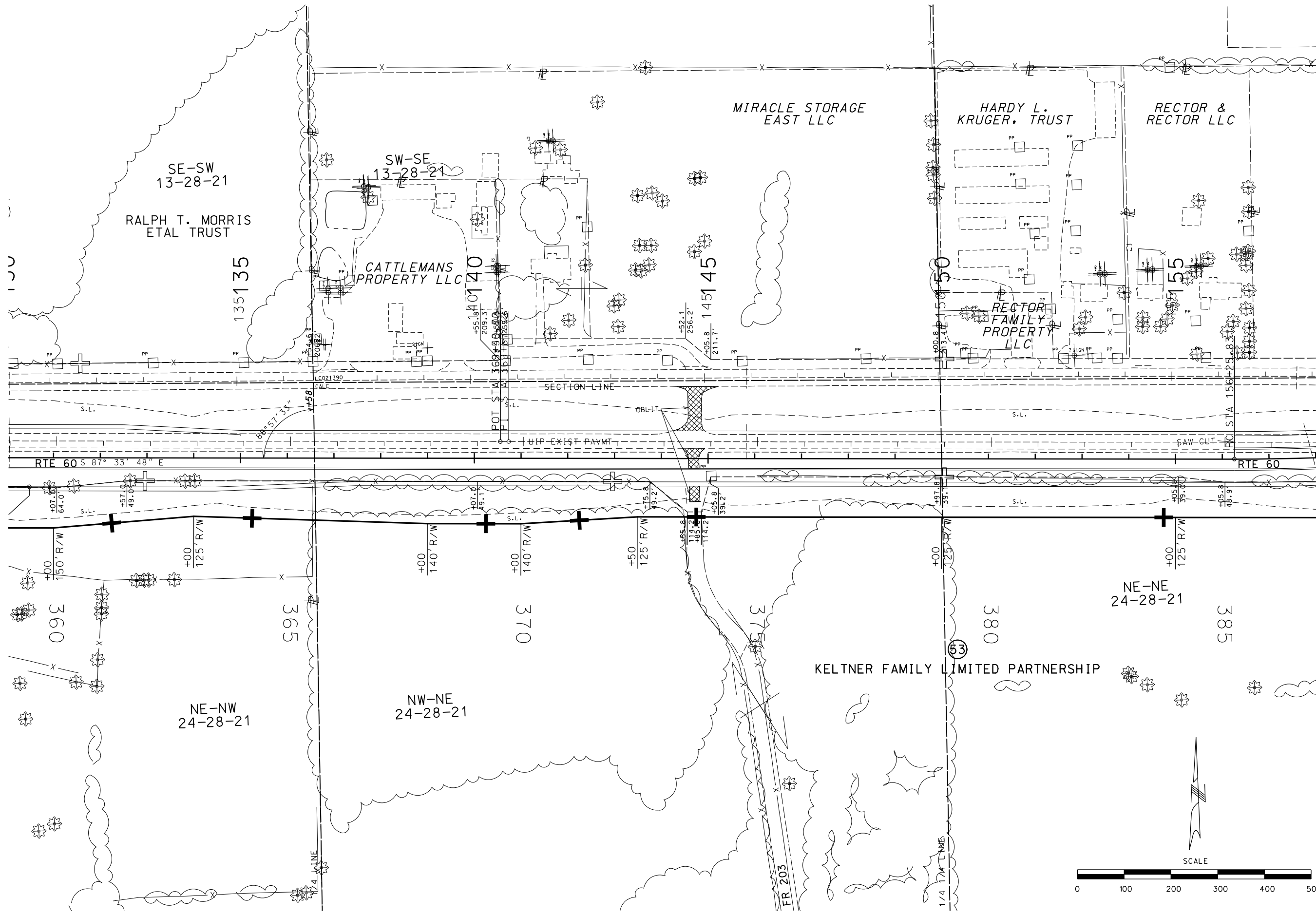
Profile PR60LTPGLB showing vertical alignment. The profile includes a dashed line for the existing ground and a solid line for the proposed grade. Key vertical curve data is as follows:

Station	Point Type	Grade (%)	Notes
106+00.00	Start of Curve	-0.40%	1347.33'
109+00.00	Vertical Point of Intersection (VPI)	-2.93%	EL 1,346.13
111+02.50	Vertical Point of Tangency (VPT)	-2.03%	EL 1,335.98
114+00.00	Vertical Point of Intersection (VPI)	+0.39%	EL 1,335.98
124+50.00	Vertical Point of Intersection (VPI)	+0.70%	EL 1,340.06
127+50.00	Vertical Point of Tangency (VPT)		1342.15'

Vertical Curve Data:

- Curve 1: K = 249, Length = 405.00', V.C. = 109+00.00
- Curve 2: K = 190, Length = 460.00', V.C. = 114+00.00
- Curve 3: K = 1282, Length = 400.00', V.C. = 124+50.00

Profile PR60LTPGLB



"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED
7/11/2013

ROUTE 60	STATE MO
DISTRICT SW	SHEET NO. 10

COUNTY
GREENE

JOB NO.
J8P0683D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

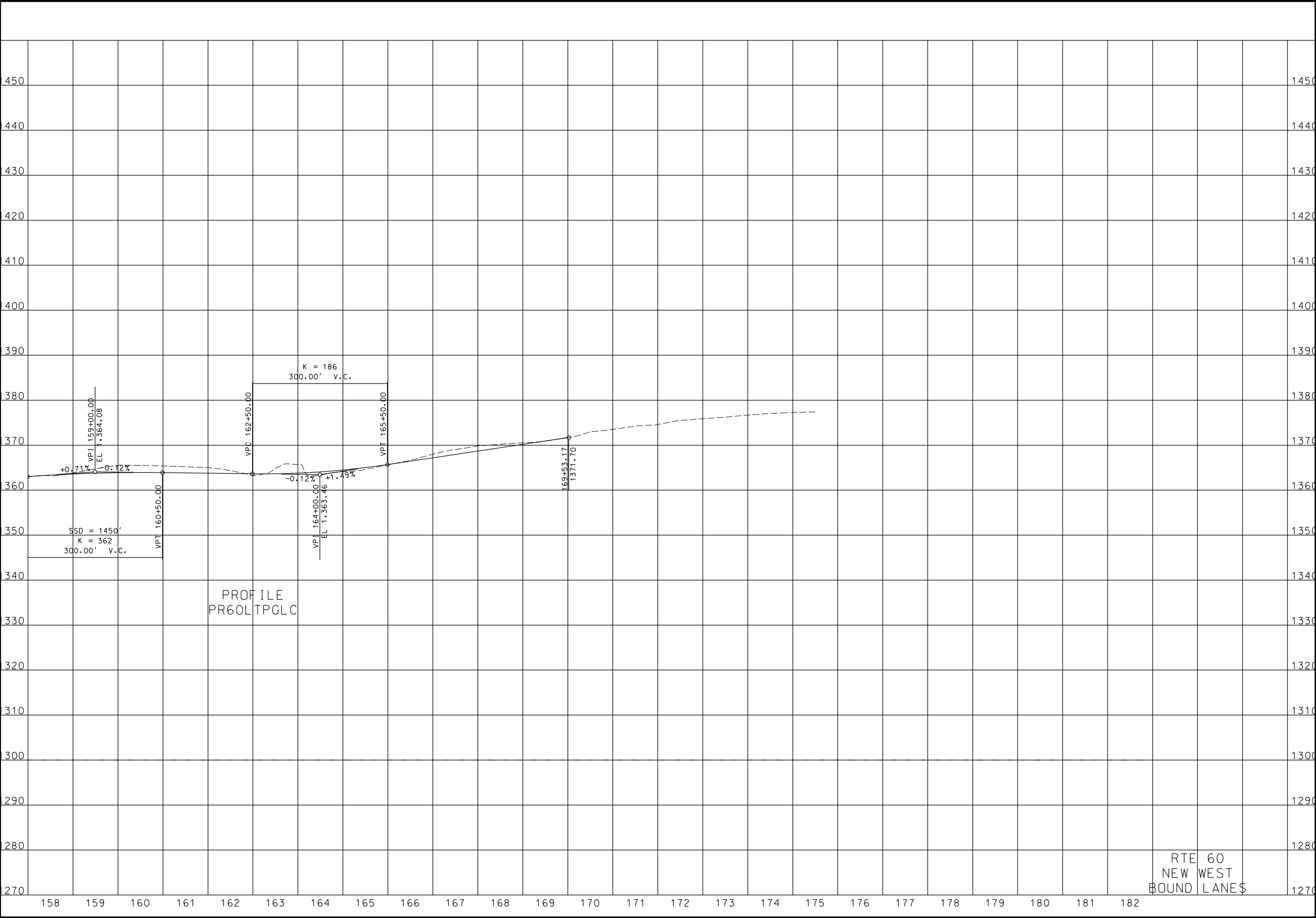
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



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DATE PREPARED
7/11/2013

ROUTE 60	STATE MO
DISTRICT SW	SHEET NO. 14

COUNTY
GREENE

JOB NO.
J8P0683D

CONTRACT ID.

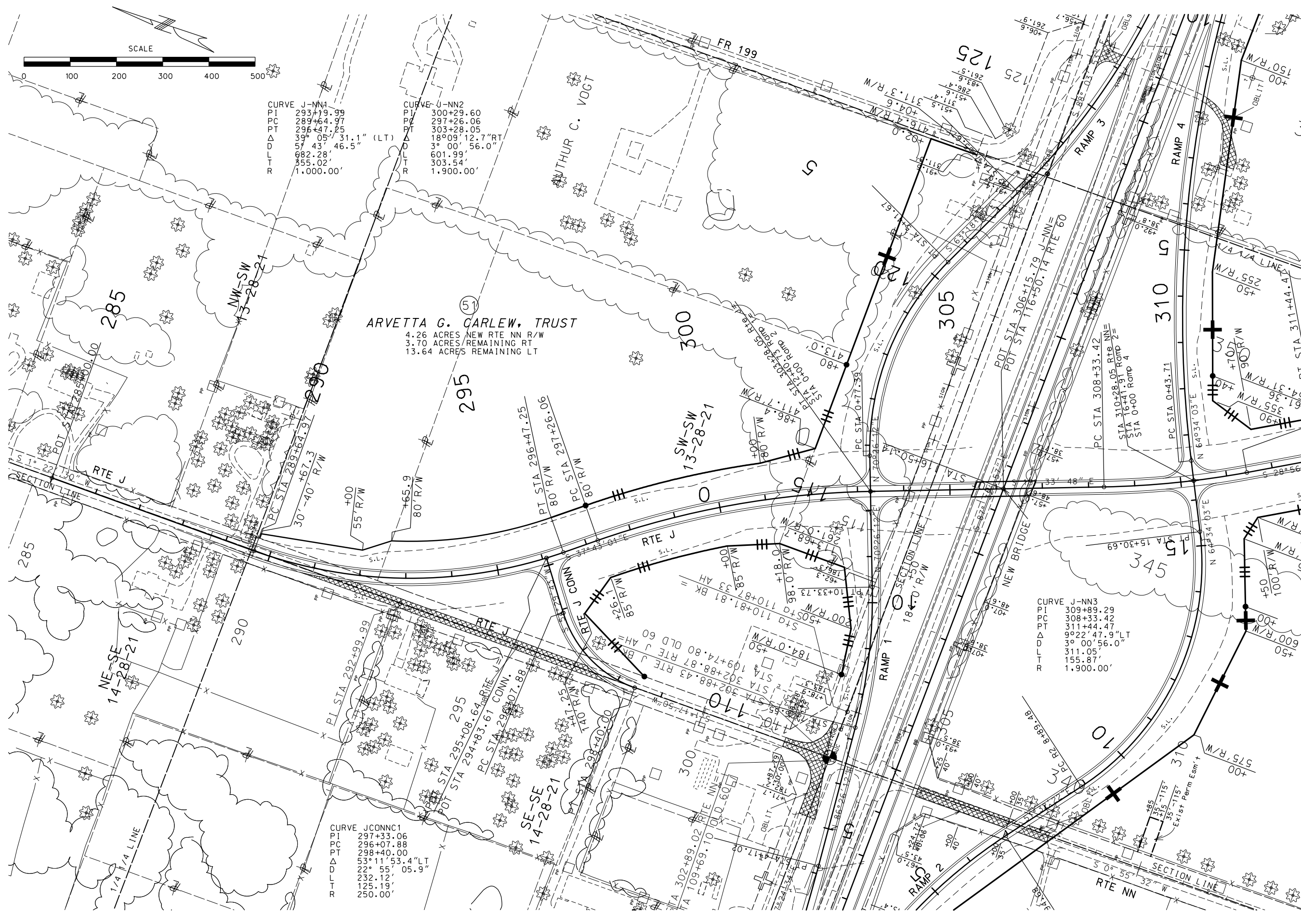
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



CURVE J-NN1

PI	293+19.99
PC	289+64.97
PT	296+47.25
Δ	39° 05' 31.1" (LT)
DLT	57' 43' 46.5"
R	682.28'
	355.02'
	1,000.00'

CURVE J-NN2

PI	300+29.60
PC	297+26.06
PT	303+28.05
Δ	18° 09' 12.7" RT
DLT	3' 00' 56.0"
R	601.99'
	303.54'
	1,900.00'

ARVETTA G. CARLEW, TRUST
4.26 ACRES NEW RTE NN R/W
3.70 ACRES REMAINING RT
13.64 ACRES REMAINING LT

CURVE JCONNC1

PI	297+33.06
PC	296+07.88
PT	298+40.00
Δ	53° 11' 53.4" LT
DLT	22° 55' 05.9"
R	232.12'
	125.19'
	250.00'

CURVE J-NN3

PI	309+89.29
PC	308+33.42
PT	311+44.47
Δ	9° 22' 47.9" LT
DLT	3' 00' 56.0"
R	311.05'
	155.87'
	1,900.00'

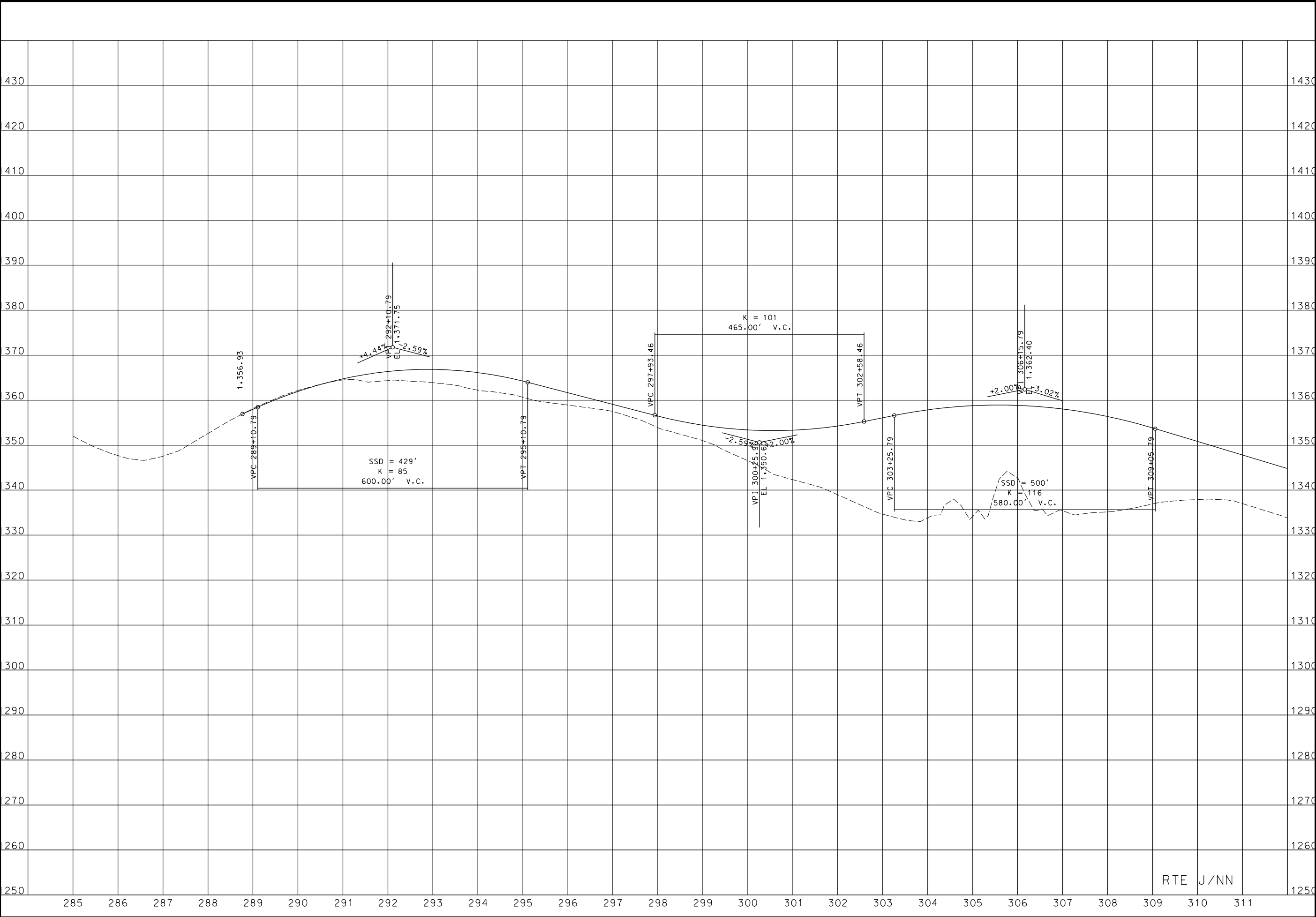
"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED 7/11/2013	
ROUTE 60	STATE MO
DISTRICT SW	SHEET NO. 16
COUNTY GREENE	
JOB NO. J8P0683D	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



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DATE PREPARED
7/11/2013

ROUTE
60

DISTRICT
SW

STATE
MO

SHEET NO.
17

COUNTY
GREENE

JOB NO.
J8P0683D

CONTRACT ID.

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BRIDGE NO.

DESCRIPTION

DATE

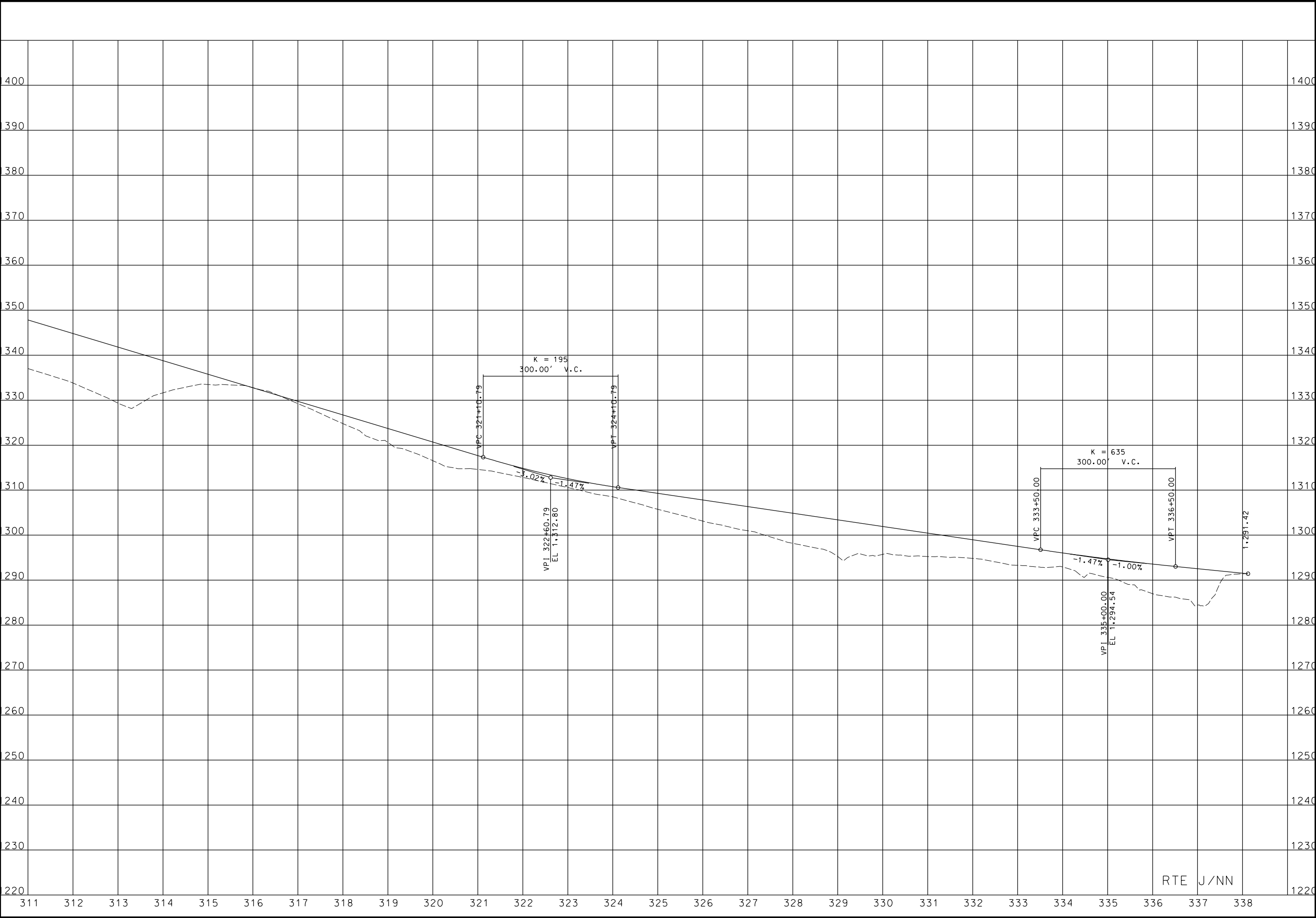
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

MoDOT

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

RTE J/NN

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DATE PREPARED
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ROUTE
60

DISTRICT
SW

STATE
MO

SHEET NO.
19

COUNTY
GREENE

JOB NO.
J8P0683D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

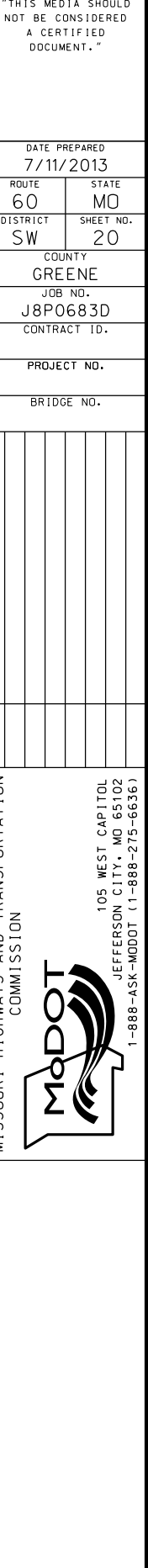
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

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RTE J/NN



DATE PREPARED 7/11/2013	
ROUTE 60	STATE MO
DISTRICT SW	SHEET NO. 20
COUNTY GREENE	
JOB NO. J8P0683D	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

[illegible]

105 WEST CAPITOL
JEFFERSON CITY, MD 65102
1-888-ASK-MDOT (1-888-275-6636)

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- 51

ARVETTA G. CARLEW, TRUST
4.26 ACRES NEW RTE NN R/W
3.70 ACRES REMAINING RT
13.64 ACRES REMAINING LT
- 52

BETTY JO WISE
4.7 ACRES NEW RTE 60 R/W
0.0 ACRES REMAINING
- 53

KELTNER FAMILY LIMITED PARTNERSHIP
17.691 ACRES NEW RTE 60 R/W
8.185 ACRES NEW RTE NN R/W
32.65 ACRES REMAINING RT
371.53 ACRES REMAINING LT

- 54

KELTNER FAMILY, LLC
3.249 ACRES NEW RTE 60 R/W
31.602 ACRES REMAINING
- 55

JANETTE E KELTNER TRUST
2.14 ACRES NEW R/W
0.17 ACRES REMAINING RT
14.27 ACRES REMAINING LT
- 56

WILLIAM K BLOUNT, TRUST
6.10 ACRES NEW RTE 60 R/W
59.81 ACRES REMAINING

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."	
DATE PREPARED 9/12/2013	
ROUTE 60	STATE MO
DISTRICT SW	SHEET NO. RW1
COUNTY GREENE	
JOB NO. J8P0683D	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	DATE
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	
MoDOT 105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	

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FR-193

FR-195

RTE J

FR-199

FR-205

US-60

FR-203

RTE NN

EXISTING
SANITARY
SEWER
EASEMENT

24-28-21

