

NOTE:
SEE CROSS SECTIONS AND PLANS SHEETS FOR CROSS SLOPES, TRANSITIONS, AND TAPERS
SEE PLANS FOR EXISTING RIGHT OF WAY.

NO DIRECT PAY FOR SAW CUTS.

EXISTING PAVEMENT SHOWN FOR INFORMATION ONLY. LAYERS MAY VARY.

SEE PROJECT BY OTHERS PLANS FOR OVERLAY, COLDMILL AND RESURFACE OF MAINLINE PAVEMENT AND SHOULDERS. SHOWN HERE FOR INFORMATION ONLY. PROJECT BY OTHERS WILL OVERLAY NEW AND EXISTING ROADWAY WITH AN ASPHALT OVERLAY.

IF CONSTRUCTION WILL BE COMPLETED WITHIN THE SAME YEAR OR NEXT, INCLUDE OVERLAY IN PAVEMENT DESIGN THICKNESS.

EXISTING PROFILE GRADES AT EXISTING INSIDE EDGE OF LANE PAVEMENT.

GRADE CROSSOVER PAVEMENT TO DRAIN TO MEDIAN DITCH.

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.



THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE 2/19/2025

DATE PREPARED 2/19/2025

ROUTE 100 STATE MO

DISTRICT SL SHEET NO. 2

COUNTY ST LOUIS

JOB NO. JSL0091

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

REVISED NOTES

DATE 2/19/2025

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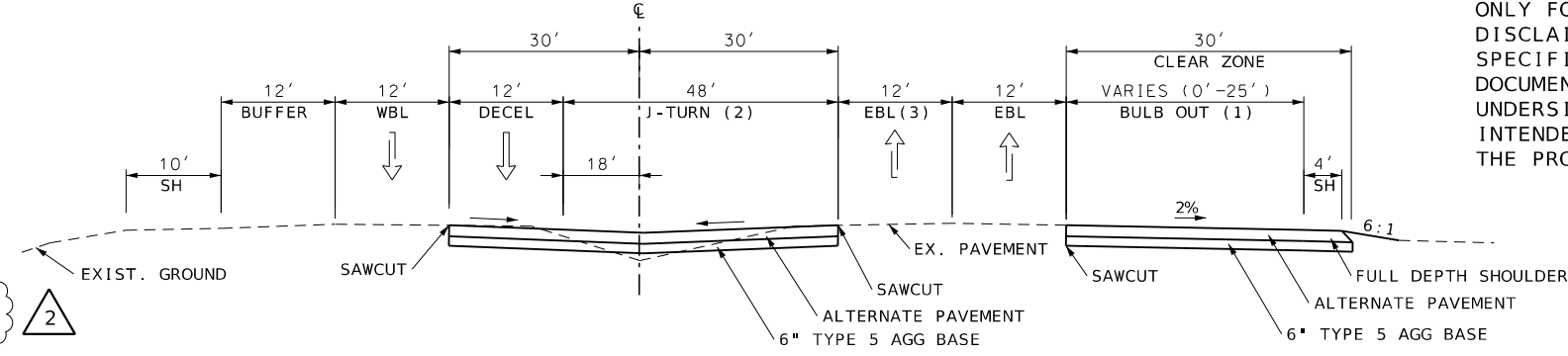
DESCRIPTION

REVISED NOTES

DATE

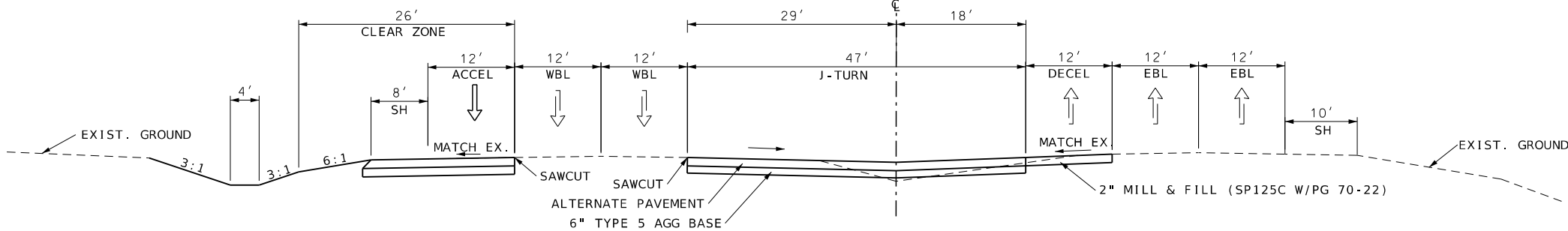
DESCRIPTION

REVISED NOTES



1 SECTION ON TANGENT
ROUTE 100 AT ROUTE T STA 217+35.00 TO 218+42.63

- (1) TRUCK BULB OUT STA 217+53.53 TO 218+42.63
- (2) J-TURN CROSSING STA 217+35.00 TO 218+05.76
- (3) RESTRIPE EXISTING EASTBOUND BUFFER TO EASTBOUND THROUGH LANE



2 SECTION ON TANGENT
ROUTE 100 AT WILD HORSE CREEK RD STA 247+76.12 TO 248+50.00

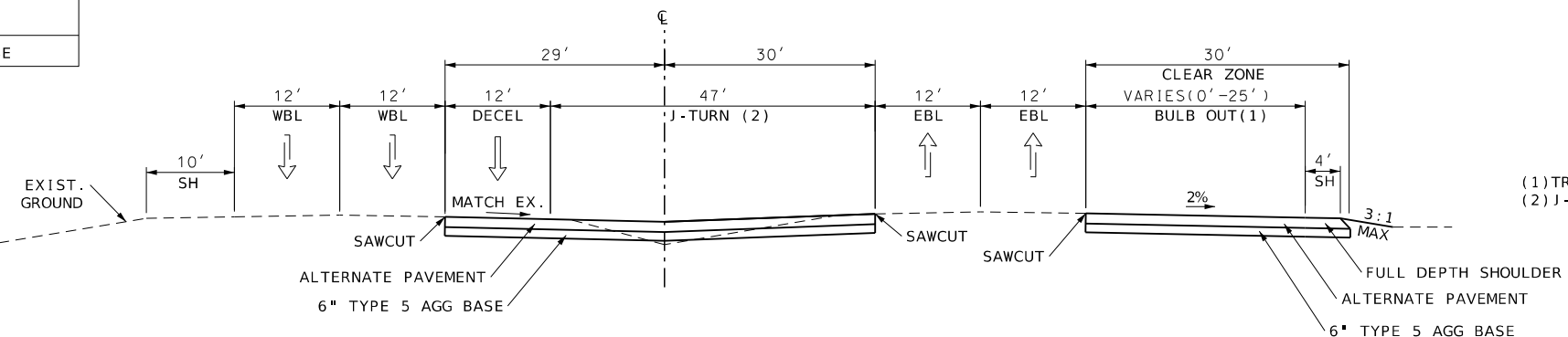
RTE 100 ALTERNATE PAVEMENT

ALTERNATE A	ALTERNATE B
2" SP125CLP W/PG 70-22	8" NON-REINFORCED PCCP
2" SP125C W/PG 70-22	15 FT. JOINTS
7.5" SP190C W/PG 64-22	1 1/4" DOWELS
6" TYPE 5 AGG. BASE	6" TYPE 5 AGG. BASE

PCCP = PORTLAND CEMENT CONCRETE PAVEMENT

FOR CONCRETE DESIGN, MATCH EXISTING PCCP THICKNESS OF 8". PLUS ASPHALT OVERLAY.

FOR ASPHALT DESIGN, INCLUDE THE BY OTHERS OVERLAY IN TOTAL THICKNESS. FOR MILL/FILL SECTION, THICKNESS SHOULD REMAIN THE SAME. FOR OVERLAY SECTION, USE 9.5" THICKNESS PLUS 2" OVERLAY FROM PROJECT BY OTHERS WHICH WILL GIVE TOTAL THICKNESS OF 11.5" HMA.



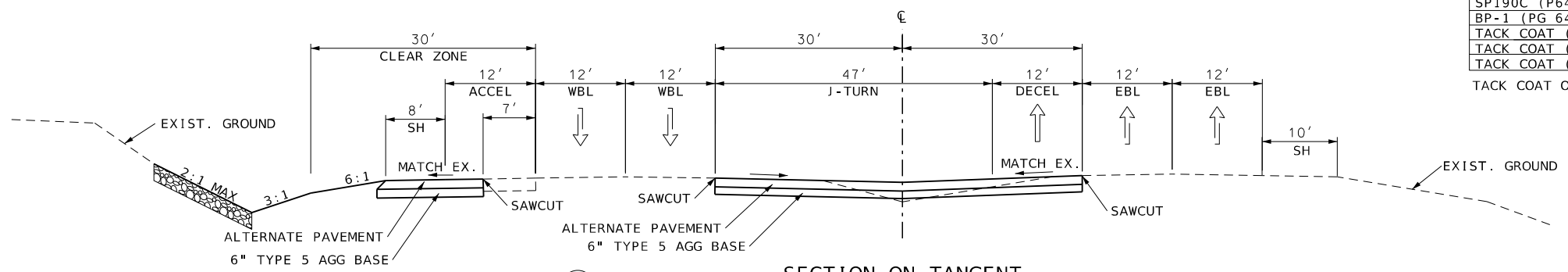
3 SECTION ON TANGENT
ROUTE 100 AT POND RD STA 305+95.00 TO 307+06.00

- (1) TRUCK BULB OUT STA 306+12.52 TO 307+06.00
- (2) J-TURN CROSSING STA 305+95.00 TO 306+74.00

APPLICATION RATES
(FOR INFORMATION ONLY)

SP125C (PG70-22)	1.960 TONS/ C.Y.
SP125CLP (PG 70-22)	1.940 TONS/ C.Y.
SP190C (P64-22)	1.946 TONS/ C.Y.
BP-1 (PG 64-22)	1.960 GAL/ S.Y.
TACK COAT (OVER COLDMILLED ASPHALT OR CONC)	0.10 GAL/ S.Y.
TACK COAT (OVER NEW ASPHALT)	0.05 GAL/ S.Y.
TACK COAT (OVER EXIST ASPHALT OR CONC)	0.08 GAL/ S.Y.

TACK COAT ON PCCP SURFACE, TWO COATS REQUIRED PRIOR TO HMA



4 SECTION ON TANGENT
ROUTE 100 AT POND RD STA 333+44.92 TO 334+22.00

NOT TO SCALE

TYPICAL SECTIONS
J-TURNS
SHEET 1 OF 3



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ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

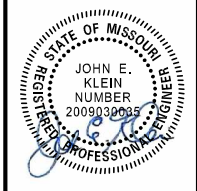
NIKKI D. CONLEY
PROFESSIONAL
ENGINEER
PE-201804668

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

APPLICATION RATES	
ASPHALT CONCRETE MIXTURE (TYPE SP125 MIX)	1.927 TONS/CY
ASPHALT CONCRETE MIXTURE (TYPE SP190 MIX)	1.946 TONS/CY
BP-1 (PG 64-22)	1.948 TONS/CY
BASE (PG 64-22)	1.943 TONS/CY
TACK COAT	0.05 GAL/CY

2 REVIS

ENGINEER'S SEAL



DATE PREPARED
2/19/2025

ROUTE 100 STATE MO

DISTRICT SL SHEET NO. 2

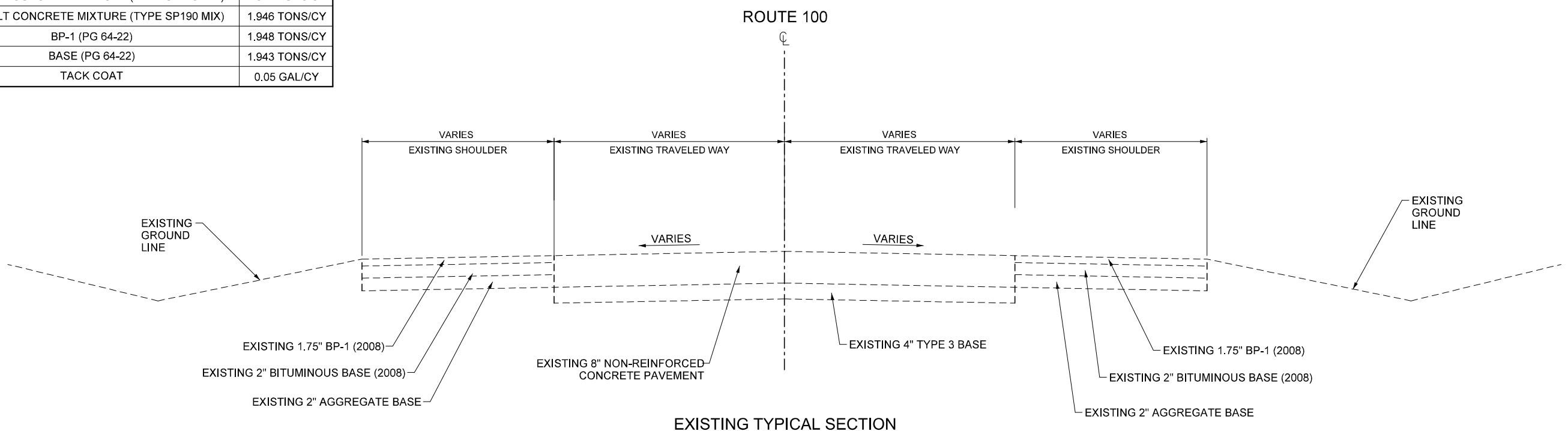
COUNTY ST. LOUIS

JOB NO. JSL0092

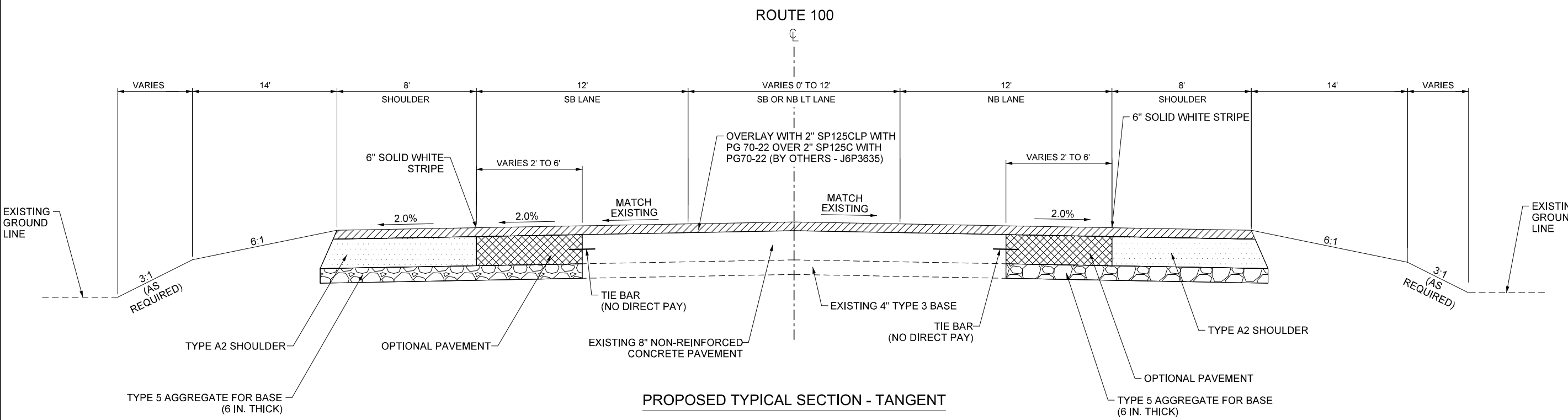
CONTRACT ID.

PROJECT NO.

BRIDGE NO.



EXISTING TYPICAL SECTION
ROUTE 100



PROPOSED TYPICAL SECTION - TANGENT
ROUTE 100

- STA. 70+32.00 TO STA. 78+35.62
- STA. 107+71.55 TO STA. 111+29.32
- STA. 155+44.28 TO STA. 168+00.75
- STA. 171+50.70 TO STA. 175+10.76
- STA. 196+57.07 TO STA. 203+35.72

NOTES:
 8" PCCP
 OPTIONAL PAVEMENT CONSISTS OF:
 10" PCCP WITH 15 FT. JOINT SPACING AND 1-1/4" DOWELS
 OR 2" SP125CLP WITH PG 70-22 OVER 2" SP125C WITH
 PG 70-22 OVER 7.5" SP190C WITH PG 64-22.

DESCRIPTION

DATE



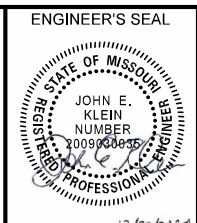
HORNER SHIFRIN
 401 S. 18TH ST., STE. 400 ST. LOUIS, MO 63103
 314-531-4321 • FAX 314-531-9696
 WWW.HORNERSHIFRIN.COM
 DISCIPLINE: PROFESSIONAL ENGINEERING
 CERTIFICATE OF AUTHORITY: 000159
 EXPIRATION DATE: DECEMBER 31, 2026

TYPICAL SECTION SHEET
**ROUTE 100
 LEFT TURNS**
 ST. LOUIS COUNTY, MISSOURI

APPLICATION RATES

ASPHALT CONCRETE MIXTURE (TYPE SP125 MIX)	1.927 TONS/CY
ASPHALT CONCRETE MIXTURE (TYPE SP190 MIX)	1.946 TONS/CY
BP-1 (PG 64-22)	1.948 TONS/CY
BASE (PG 64-22)	1.943 TONS/CY
TACK COAT	0.05 GAL/CY

2 REVISED



12/20/2024

DATE PREPARED
2/19/2025

ROUTE 100 STATE MO

DISTRICT SL SHEET NO. 2

COUNTY ST. LOUIS

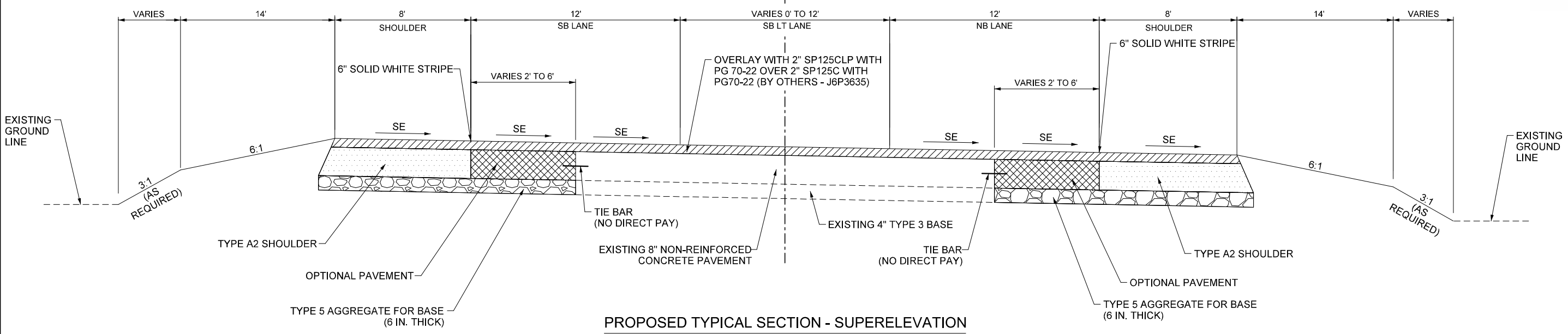
JOB NO. JSL0092

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PROJECT NO.

BRIDGE NO.

ROUTE 100



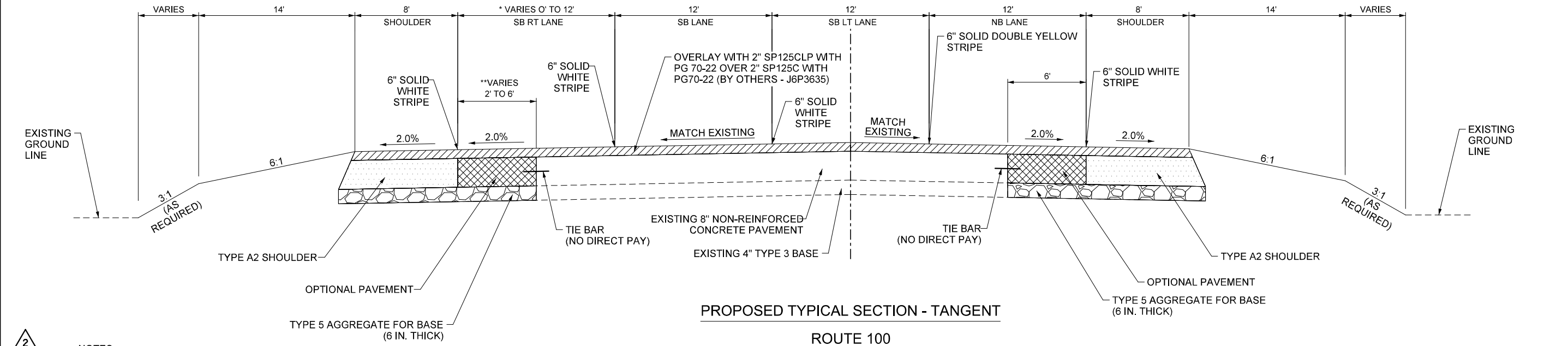
PROPOSED TYPICAL SECTION - SUPERELEVATION

ROUTE 100

STA. 78+35.62 TO STA. 87+54.49
STA. 111+29.32 TO STA. 119+59.46

ROUTE 100

* 12.0' WIDTH: STA. 168+00.76 TO STA. 170+00.76
WIDTH VARIES (12.0' TO 0'): STA. 170+00.76 TO STA. 171+50.70



PROPOSED TYPICAL SECTION - TANGENT

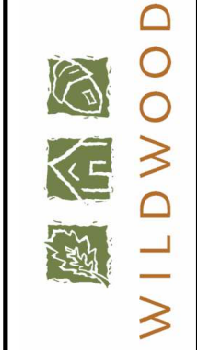
ROUTE 100

STA. 168+00.75 TO STA. 171+50.70

NOTES:
 8" PCCP
 OPTIONAL PAVEMENT CONSISTS OF:
 10" PCCP WITH 15 FT. JOINT SPACING AND 1-1/4" DOWELS
 OR 2" SP125CLP WITH PG 70-22 OVER 2" SP125C WITH
 PG 70-22 OVER 7.5" SP190C WITH PG 64-22.

** 6.0' WIDTH: STA. 169+26.28 TO STA. 170+00.76
WIDTH VARIES (6.0' TO 2.0'): STA. 170+00.76 TO STA. 170+54.66

DESCRIPTION
DATE

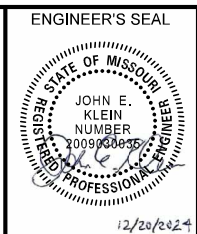


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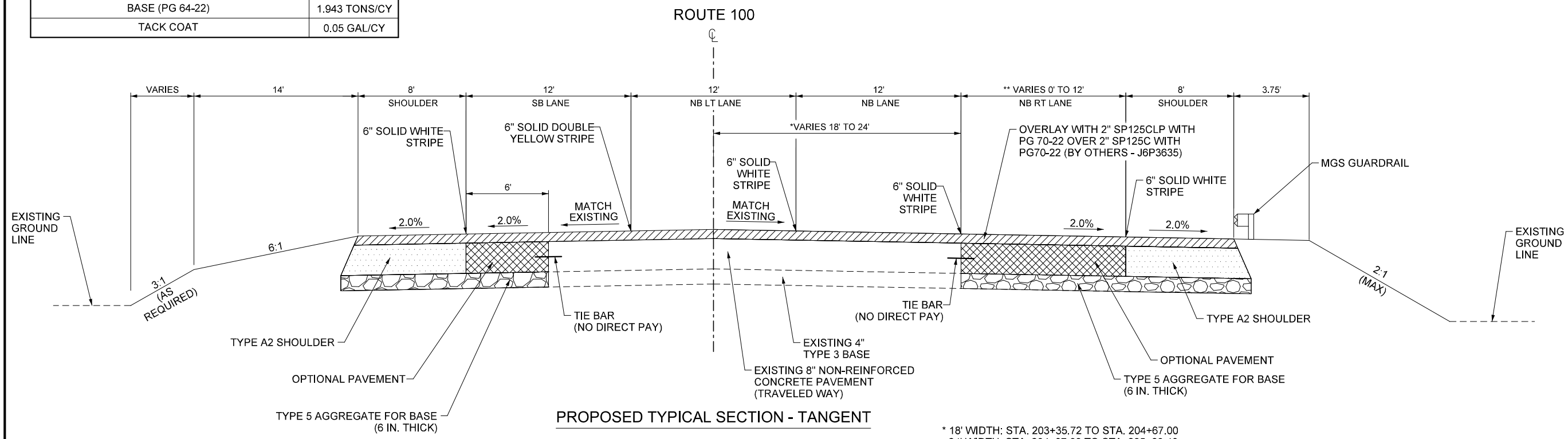
TYPICAL SECTION SHEET
ROUTE 100 LEFT TURNS
 ST. LOUIS COUNTY, MISSOURI

APPLICATION RATES	
ASPHALT CONCRETE MIXTURE (TYPE SP125 MIX)	1.927 TONS/CY
ASPHALT CONCRETE MIXTURE (TYPE SP190 MIX)	1.946 TONS/CY
BP-1 (PG 64-22)	1.948 TONS/CY
BASE (PG 64-22)	1.943 TONS/CY
TACK COAT	0.05 GAL/CY

2 REVISED



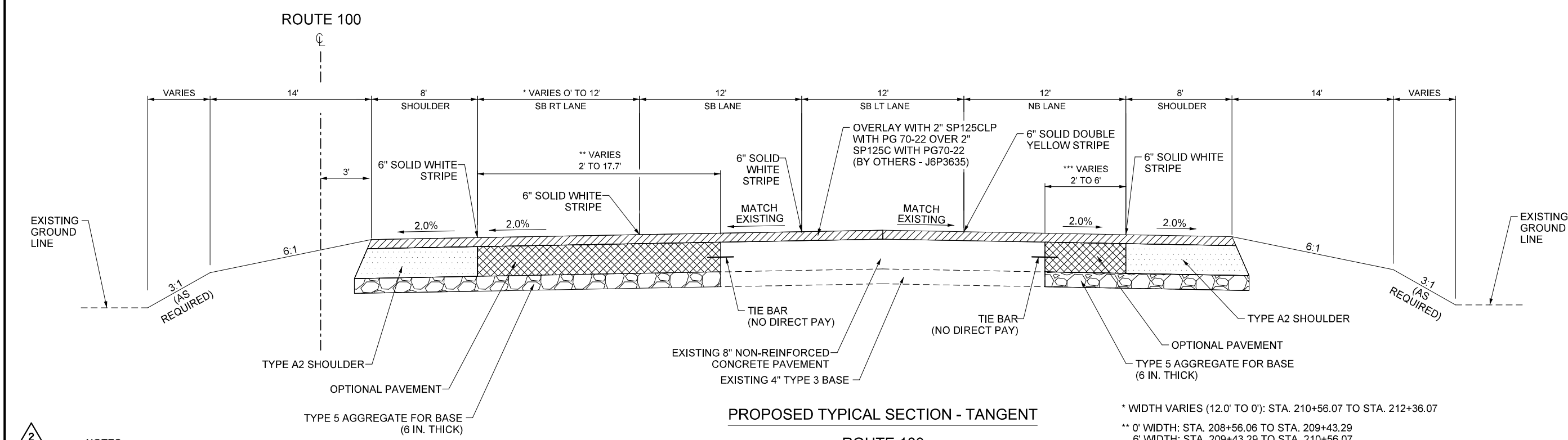
DATE PREPARED 2/19/2025	
ROUTE 100	STATE MO
DISTRICT SL	SHEET NO. 2
COUNTY ST. LOUIS	
JOB NO. JSL0092	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



PROPOSED TYPICAL SECTION - TANGENT

ROUTE 100
STA. 203+35.72 TO STA. 207+17.00

* 18' WIDTH: STA. 203+35.72 TO STA. 204+67.00
24' WIDTH: STA. 204+67.00 TO STA. 205+83.46
** WIDTH VARIES (0' TO 12'); STA. 203+35.72 TO STA. 204+67.00
12' WIDTH: STA. 204+67.00 TO STA. 207+17.00



PROPOSED TYPICAL SECTION - TANGENT

ROUTE 100
STA. 208+92.40 TO STA. 214+66.08

* WIDTH VARIES (12.0' TO 0'): STA. 210+56.07 TO STA. 212+36.07
** 0' WIDTH: STA. 208+56.06 TO STA. 209+43.29
6' WIDTH: STA. 209+43.29 TO STA. 210+56.07
WIDTH VARIES (6' TO 5.6'): STA. 210+56.07 TO STA. 210+74.54
WIDTH VARIES (17.7' TO 2.0'): STA. 210+74.54 TO STA. 212+31.96
*** 6' WIDTH: STA. 208+92.40 TO STA. 211+06.09
WIDTH VARIES (6.0' TO 2.0'): STA. 211+06.09 TO STA. 214+66.08

NOTES:
OPTIONAL PAVEMENT CONSISTS OF:
10" PCCP WITH 15 FT. JOINT SPACING AND 1-1/4" DOWELS
OR 2" SP125CLP WITH PG 70-22 OVER 2" SP125C WITH PG 70-22 OVER 7.5" SP190C WITH PG 64-22.

DESCRIPTION	DATE



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TYPICAL SECTION SHEET
ROUTE 100 LEFT TURNS
ST. LOUIS COUNTY, MISSOURI