

EFFECTIVE: 07-01-2024

SIGNS

902 SIGNAL SIGNS TABULATED ON D-37A SHEET

SIGN NO.

SIGN SIZE

STATION

HORZ CLEAR IF NOT STD

LOCATION

SIGN DTL. SHT. NO.

CONCRETE FOOTINGS EMBEDDED

ITEM NO. 9031010

CY

STRUCTURAL STEEL POSTS *

POST DES NO.

POST NO. 1

POST NO. 2

POST NO. 3

LBS PER FT

TOTAL ITEM NO. 9031210

LBS

PIPE POSTS *

PIPE SIZE

POST NO. 1

POST NO. 2

LBS PER FT

TOTAL ITEM NO. 9031220

LBS

BACKING BARS **

2" X 3/8" BARS @ 2.55 LBS PER FT

NO.

LGTH

TOTAL

TOTAL

NO.

IN.

LF

LBS

U-CHANNEL POST

ITEM NO. 9031250A

LF

PERFORATED SQUARE STEEL TUBE

2 IN. POST

2.5 IN. POST

POST NO. 1

POST NO. 2

TOTAL

DRIVEN 12-GA. ITEM NO. 9031270A

DRIVEN 7-GA. ITEM NO. 9031273A

CONCRETE 7-GA. ITEM NO. 9031274

POST NO. 1

POST NO. 2

TOTAL

2.25" INSERT (6 FT) ITEM NO. 9031272A

DRIVEN 7-GA. ITEM NO. 9031281A

CONCRETE 7-GA. ITEM NO. 9031285

BREAK-AWAY ASSEMBLY

ITEM NO. 9031241

REMARKS AND OTHER REQUIRED ITEMS

DATE PREPARED

4/15/2024

ROUTE

STATE

DISTRICT

SHEET NO.

COUNTY

JOB NO.

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

ROUND PIPE POST AND FOOTING DATA TABLE

NOM. SIZE		WEIGHT		STUB LENGTH	FOOTING		CONCRETE
(IN.)	LBS/FT	LBS/IN	DIA.		DEPTH	C.Y.	
2 1/2	5.79	0.48	4'- 3 1/2"	12"	4-6"	0.13	
4	10.79	0.90	5'- 3 1/2"	18"	5-6"	0.36	

STRUCTURAL STEEL POST AND FOOTING DATA TABLE

POST DES. NO.	NOM. SIZE	POST		STUB LENGTH	DIA.	FOOTING		6:1 GRADE		4:1 GRADE		3:1 OR 2:1 GRADE	
		LBS/FT	LBS/IN			DEPTH	C.Y.	DEPTH	C.Y.	DEPTH	C.Y.	DEPTH	C.Y.
1	W6	9.0	0.75	3'-0"	15"	3'-0"	0.14	3'-2"	0.15	3'-3"	0.16	3'-6"	0.17
2	W6	15.0	1.25	4'-0"	24"	4'-0"	0.47	4'-2"	0.50	4'-3"	0.51	4'-6"	0.54
3	W8	18.0	1.50	4'-6"	28"	4'-6"	0.71	4'-8"	0.73	4'-9"	0.74	5'-0"	0.78
4	W10	22.0	1.83	5'-0"	36"	5'-0"	1.31	5'-2"	1.36	5'-3"	1.39	5'-6"	1.45
5	W10	26.0	2.17	5'-0"	36"	5'-0"	1.31	5'-3"	1.37	5'-5"	1.43	5'-9"	1.52
6	W12	35.0	2.92	5'-6"	36"	5'-6"	1.44	5'-9"	1.52	5'-11"	1.56	6'-3"	1.65

D-29

[illegible]

* ORANGE, YELLOW & YELLOW/GREEN

[illegible]

SIGN NO.	
STATION	
ROADWAY	

SIGN NO.	
STATION	
ROADWAY	

SIGN NO.	
STATION	
ROADWAY	

SIGN NO.	
STATION	
ROADWAY	

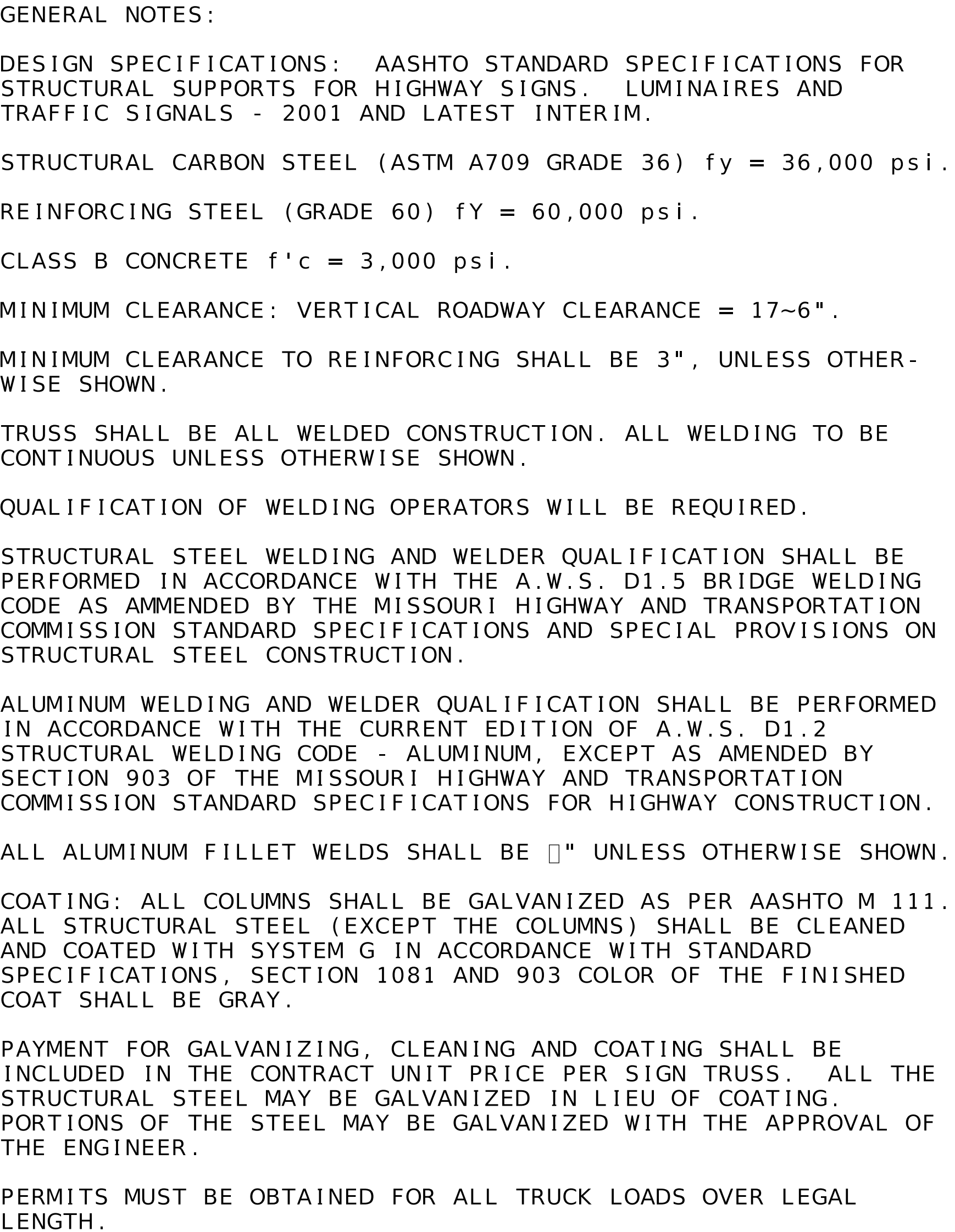
DATE PREPARED 2/5/2024	
ROUTE	STATE MO
DISTRICT	SHEET NO. X
COUNTY	
JOB NO.	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

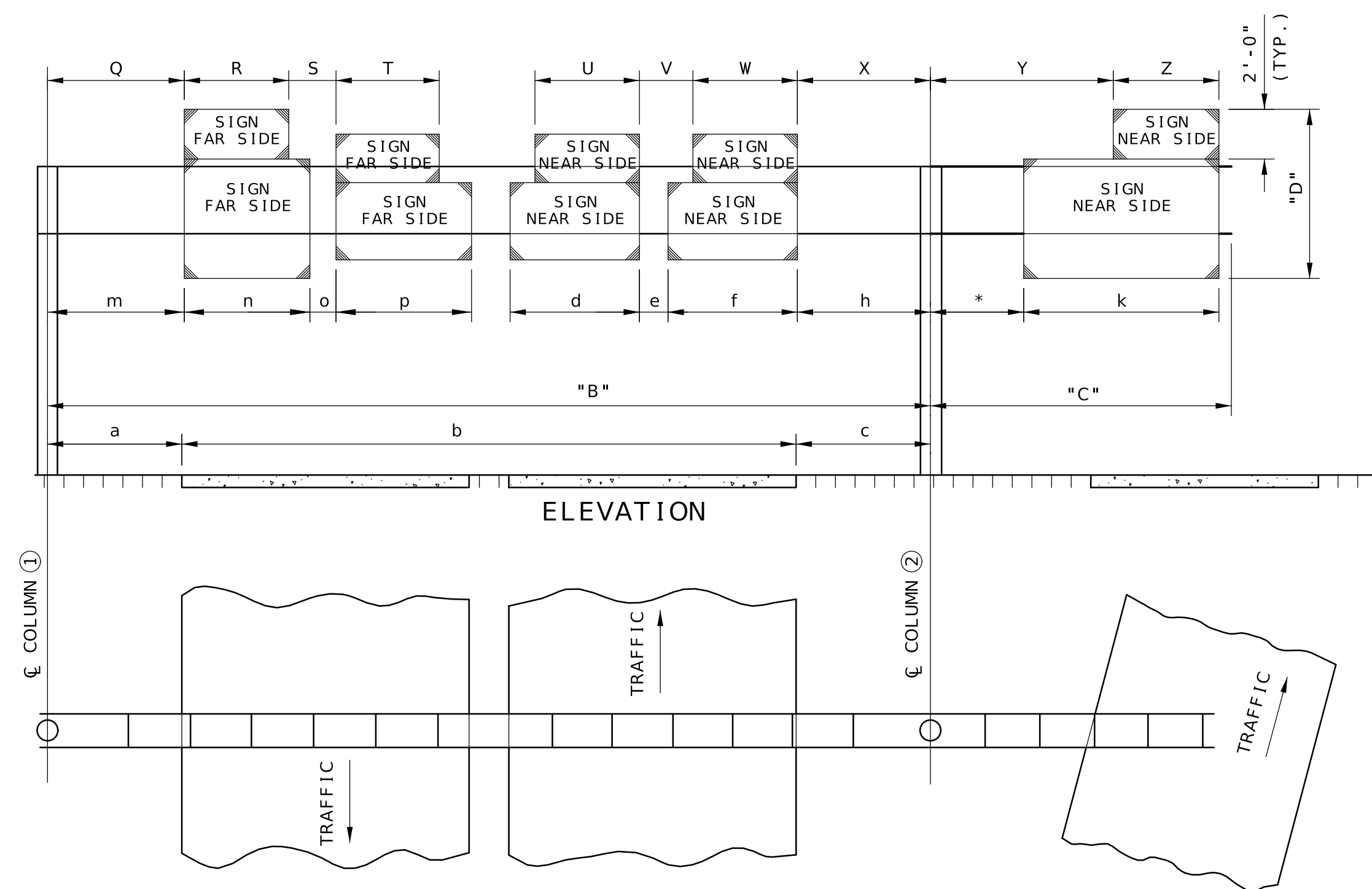
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



BUTTERFLY AND CANTILEVER OVERHEAD SIGN TRUSSES STRUCTURAL STEEL



PLAN
DIMENSIONS
TYPE 'BC' SIGN BRIDGE

* MINIMUM = 6'-0" WHEN ALUMINUM IS USED.

[illegible]

DATA SHEET
(SEE STANDARD 903.10 OR 903.60)

QUALIFICATION OF WELDING OPERATORS WILL BE REQUIRED.

PERMITS MUST BE OBTAINED FOR ALL TRUCK LOADS OVER LEGAL LENGTH.

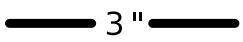



5. DESIGN SPECIFICATIONS: AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS - 1985.

[illegible]

WIRING DIAGRAM


LEGEND


- 


3" CONDUIT CONTAINING CABLE WITH SIZE
- 


CABLE
- X-Xc


MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
- L I C


#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
- 


PULL BOX WITH NUMBER
- 


POST WITH NUMBER
- 


POST WITH MAST ARM
- 


POST WITH MAST ARM AND LUMINAIRE
- 

POST WITH MAST ARM AND LUMINAIRE
- 

DETECTOR WITH NUMBER
- 

SIGNAL HEAD WITH NUMBER
- 

SIGNAL CONTROLLER
- 

POWER SUPPLY
- 

LIGHTING CONTROLLER

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



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

INTERSECTION

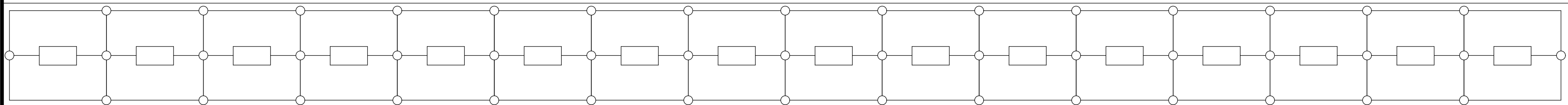
D-37D

SIGNAL FACE LOCATION			
22	30	81	82
21			
50			10
			61
42	41	70	62

TRAFFIC PHASING AND COLOR SEQUENCE - PRETIMED CONTROLLERS

[illegible]

FLOW DIAGRAM



- ▶ PHASE ON RECALL WITH EQUAL TIME SETTINGS.
- ▷ SKIP PHASE.
- ◀ COMBINED RECALL & SKIP PHASE.

IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

LEGEND

- ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
- ▷ NON-ACTUATED VEHICULAR MOVEMENT
- ▷ PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
- ACTUATED PEDESTRIAN MOVEMENT
- ▷ NON-ACTUATED PEDESTRIAN MOVEMENT
- | VEHICLE STOPPED

FDW—FLASHING DON'T WALK

R / W— RIGHT OF WAY INTERVAL

DW—DON'T WALK

YRt— YELLOW RIGHT ARROW

RT. — GREEN RIGHT ARROW

W—WALK

$\text{Y} - \text{Y}^{\text{L}}$ - YELLOW LEFT ARROW

L — GREEN LEFT ARROW

S— GREEN STRAIGHT AHEAD ARROW

G— CIRCULAR GREEN

Y— CIRCULAR YELLOW

R— CIRCULAR RED

○—TRAFFIC PHASE

AO—ALL OTHERS

FR—FLASHING RAIL

FY—FLASHING CIRCLES

FYL—FLASHING YELLOW LEFT ARROW

FYR— FLASHING YELLOW RIGHT ARROW

FLASHING OPERATION	
	FR
	FY
CONTROLLER TYPE	

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF
WITH

DATE PREPARED					
2/5/2024					
ROUTE			STATE MO		
DISTRICT			SHEET NO. X		
COUNTY					
JOB NO.					
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)

FACE NUMBERS	
R	SIGNAL INDICATIONS
Y	
FYL	
G	
DETECTOR ASSIGNMENTS	

IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

FLASHING OPERATION

CONTROLLER TYPE	
-----------------	--

INTERSECTION OF
WITH

—▶— ACTUATED VEHICULAR MOVEMENT
 —▶— PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
 —▷— NON-ACTUATED VEHICULAR MOVEMENT
 —▷— PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
 —▶— ACTUATED PEDESTRIAN MOVEMENT
 —▷— NON-ACTUATED PEDESTRIAN MOVEMENT
 —|— VEHICLE STOPPED
 FDW — FLASHING DON'T WALK
 W — WALK
 DW — DON'T WALK
 R/W — RIGHT OF WAY INTERVAL
 YR t — YELLOW RIGHT ARROW
 RT. — GREEN RIGHT ARROW
 YL -YL — YELLOW LEFT ARROW
 L — GREEN LEFT ARROW
 S — GREEN STRAIGHT AHEAD ARROW
 G — CIRCULAR GREEN
 Y — CIRCULAR YELLOW
 R — CIRCULAR RED
 RL — RED LEFT ARROW
 Ø — TRAFFIC PHASE
 AO — ALL OTHERS
 FR — FLASHING RED
 FY — FLASHING CIRCULAR YELLOW
 FYL — FLASHING YELLOW LEFT ARROW

FACE NUMBERS	
R	SIGNAL INDICATIONS
Y	
FYL	
G	
DETECTOR ASSIGNMENTS	

RING 2

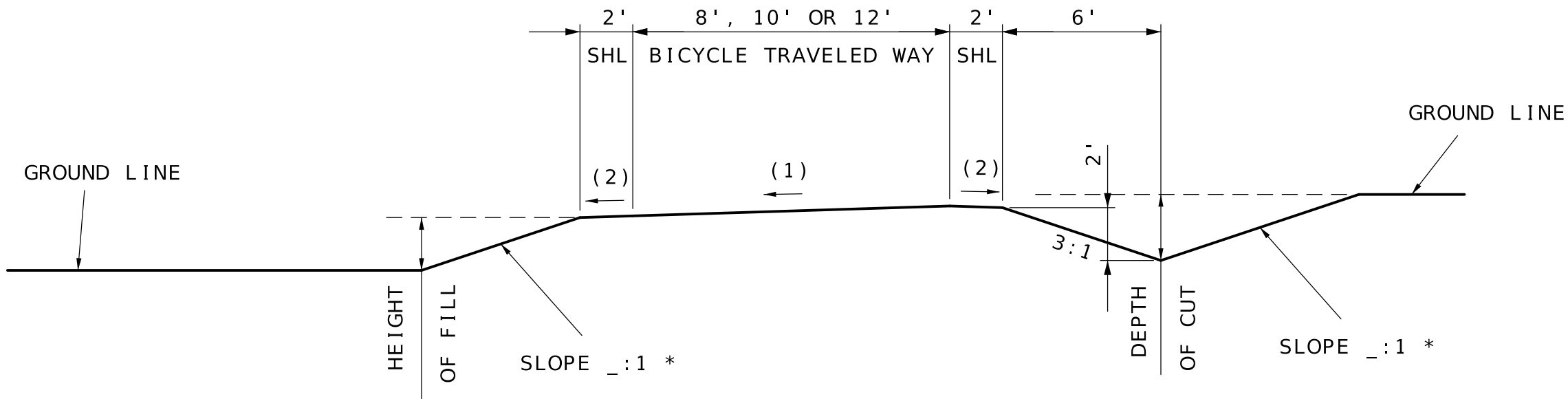
RING STRUCTURE

TRAFFIC SIGNAL CONTROL OPERATION
INTERSECTION OF
WITH

—▶— ACTUATED VEHICULAR MOVEMENT
 —▶— PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
 —▷— NON-ACTUATED VEHICULAR MOVEMENT
 —▷— PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
 —▶— ACTUATED PEDESTRIAN MOVEMENT
 —▷— NON-ACTUATED PEDESTRIAN MOVEMENT
 —|— VEHICLE STOPPED
 FDW — FLASHING DON'T WALK
 W — WALK
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 R/W — RIGHT OF WAY INTERVAL
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 RT. — GREEN RIGHT ARROW
 YL — YELLOW LEFT ARROW
 L — GREEN LEFT ARROW
 S — GREEN STRAIGHT AHEAD ARROW
 G — CIRCULAR GREEN
 Y — CIRCULAR YELLOW
 R — CIRCULAR RED
 RL — RED LEFT ARROW
 Ø — TRAFFIC PHASE
 AO — ALL OTHERS
 FR — FLASHING RED
 FY — FLASHING CIRCULAR YELLOW
 FYL — FLASHING YELLOW LEFT ARROW

CROSS SLOPE

- (1) 2.0%
- (2) 4.0%



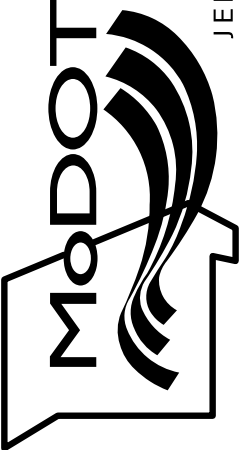
SECTION ON TANGENT
TYPICAL SECTION BICYCLE PATH
STA. XXX.XX TO STA. XXX.XX

* BACKSLOPE DETERMINED BY SOIL SURVEY.

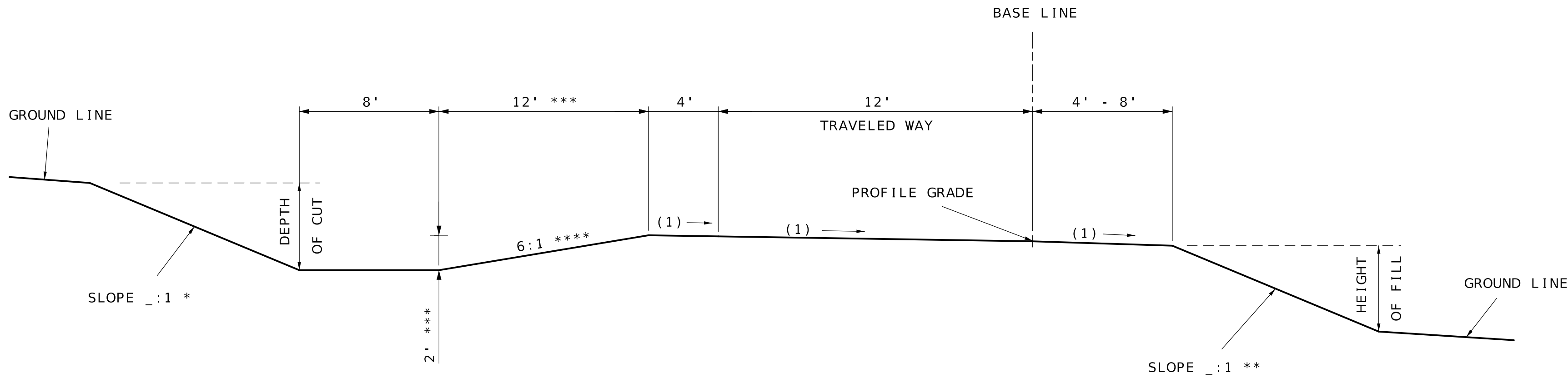
D-49	
FUNCTION	BICYCLE PATH
BICYCLE ADT	ALL
TRAVELED WAY WIDTH	8, 10 OR 12'
ROADBED WIDTH	12, 14 OR 16'
FORESLOPE	3:1
DITCH	2'

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



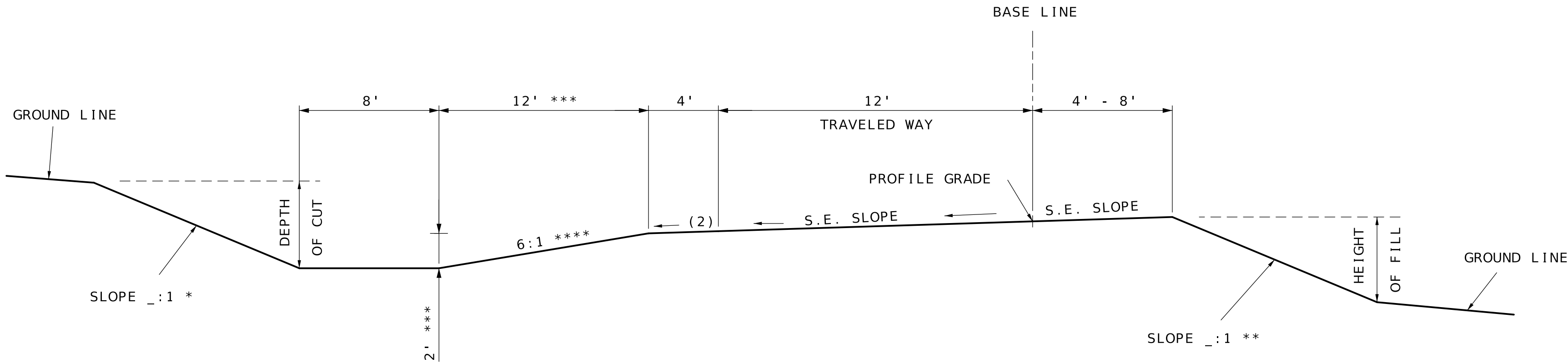
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



SECTION ON TANGENT
TYPICAL SECTION RTE. XX
STA. XXX.XX TO STA. XXX.XX

CROSS SLOPE

- (1) 2.0%
(2) S.E. SLOPE IF GREATER THAN 2.0%.



SECTION ON SUPERELEVATED CURVE
TYPICAL SECTION RTE. XX
STA. XXX.XX TO STA. XXX.XX

- * BACKSLOPE DETERMINED BY SOIL SURVEY.
** THE FILL SLOPE SHALL BE 6:1 OR FLATTER WHEN THE FILL HEIGHT IS EQUAL TO OR LESS THAN 2 FEET (I.E., THE OFFSET FROM THE TOE OF FILL TO THE SHOULDER POINT IS A MINIMUM OF 12 FEET). THE SLOPE MAY VARY TO MEET THIS REQUIREMENT. FOR FILL HEIGHTS GREATER THAN 2 FEET, THE SLOPE SHALL NOT EXCEED THE MAXIMUM SLOPE DETERMINED BY THE SOIL SURVEY.
*** 4' DITCH DEPTH PREFERRED IF ALTERNATE 18" ROCK BASE IS USED. SIDESLOPE WIDTH SHALL BE 24' FOR 4' DITCH DEPTH.
**** WHEN CROSS ROAD GOES OVER MAIN ROADWAY, A VARIABLE SLOPE SHALL BE USED FROM RAMP SHOULDER TO MAIN ROADWAY DITCH POINT.

D-50H	
FUNCTION	DIAMOND/DIRECTIONAL RAMP
ADT	LOW
TRAVELED WAY WIDTH	12'
ROADBED WIDTH	20' - 24'
FORESLOPE	6:1
DITCH	2'

DATE PREPARED
2/5/2024

ROUTE
STATE
MO

DISTRICT
SHEET NO.
X

COUNTY

JOB NO.

CONTRACT ID.

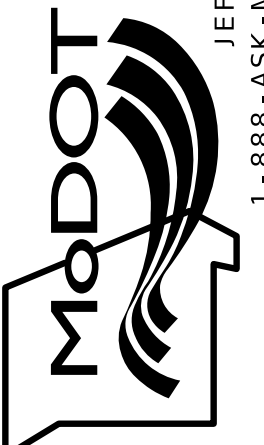
PROJECT NO.

BRIDGE NO.

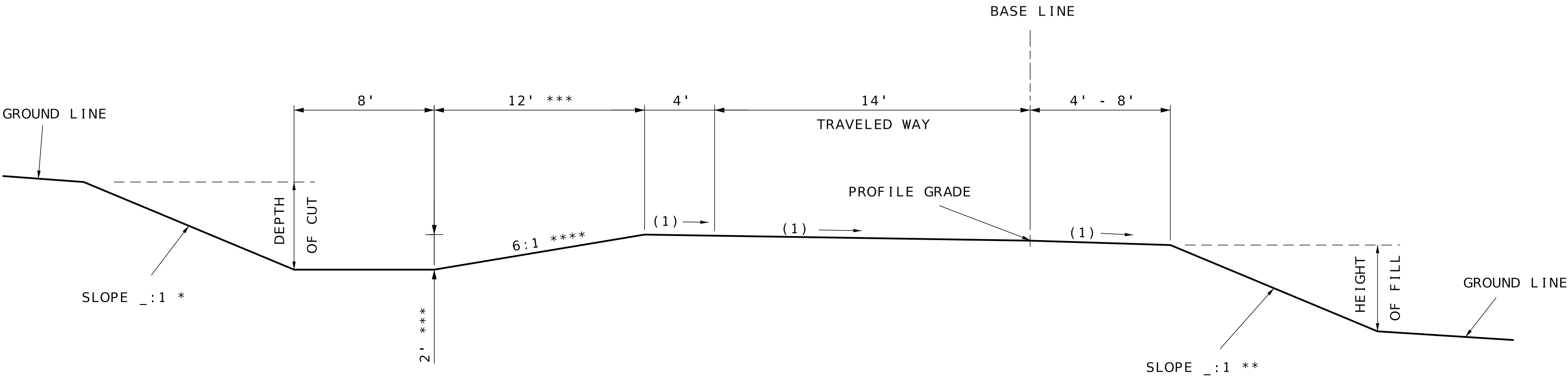
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



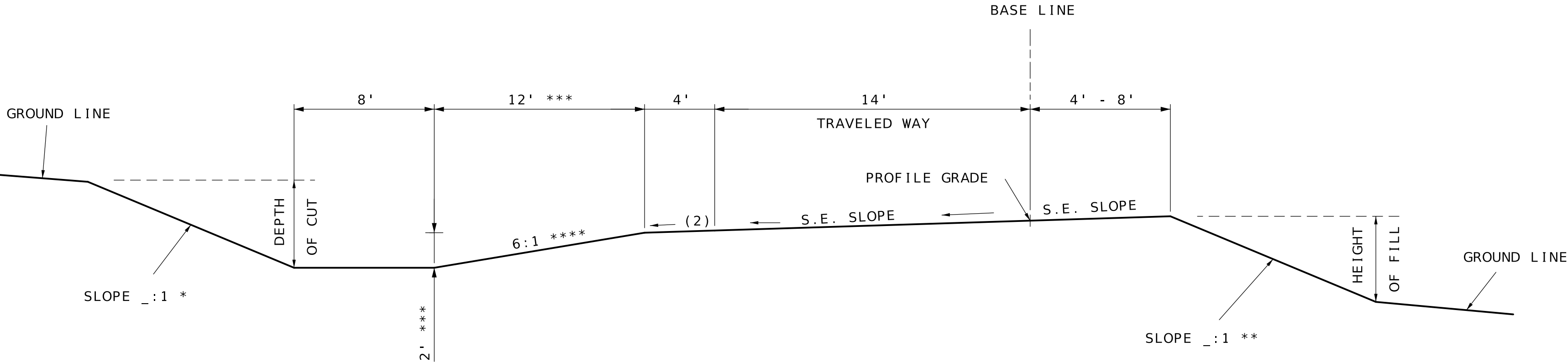
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1-888-ASK-MODOT (1-888-275-6636)



SECTION ON TANGENT
TYPICAL SECTION RTE. XX
STA. XXX.XX TO STA. XXX.XX

CROSS SLOPE

- (1) 2.0%
- (2) S.E. SLOPE IF GREATER THAN 2.0%.



SECTION ON SUPERELEVATED CURVE
TYPICAL SECTION RTE. XX
STA. XXX.XX TO STA. XXX.XX

- * BACKSLOPE DETERMINED BY SOIL SURVEY.
- ** THE FILL SLOPE SHALL BE 6:1 OR FLATTER WHEN THE FILL HEIGHT IS EQUAL TO OR LESS THAN 2 FEET (I.E., THE OFFSET FROM THE TOE OF FILL TO THE SHOULDER POINT IS A MINIMUM OF 12 FEET). THE SLOPE MAY VARY TO MEET THIS REQUIREMENT. FOR FILL HEIGHTS GREATER THAN 2 FEET, THE SLOPE SHALL NOT EXCEED THE MAXIMUM SLOPE DETERMINED BY THE SOIL SURVEY.
- *** 4' DITCH DEPTH PREFERRED IF ALTERNATE 18" ROCK BASE IS USED. SIDESLOPE WIDTH SHALL BE 24' FOR 4' DITCH DEPTH.
- **** WHEN CROSS ROAD GOES OVER MAIN ROADWAY, A VARIABLE SLOPE SHALL BE USED FROM RAMP SHOULDER TO MAIN ROADWAY DITCH POINT.

D-50H	
FUNCTION	DIAMOND/DIRECTIONAL RAMP
ADT	ALL
TRAVELED WAY WIDTH	14'
ROADBED WIDTH	22' - 26'
FORESLOPE	6:1
DITCH	2'

DATE PREPARED
2/5/2024

ROUTESTATE
DISTRICTSHEET NO.
X

COUNTY

JOB NO.

CONTRACT ID.

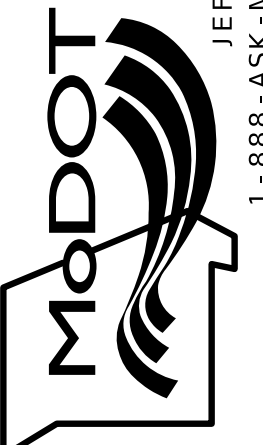
PROJECT NO.

BRIDGE NO.

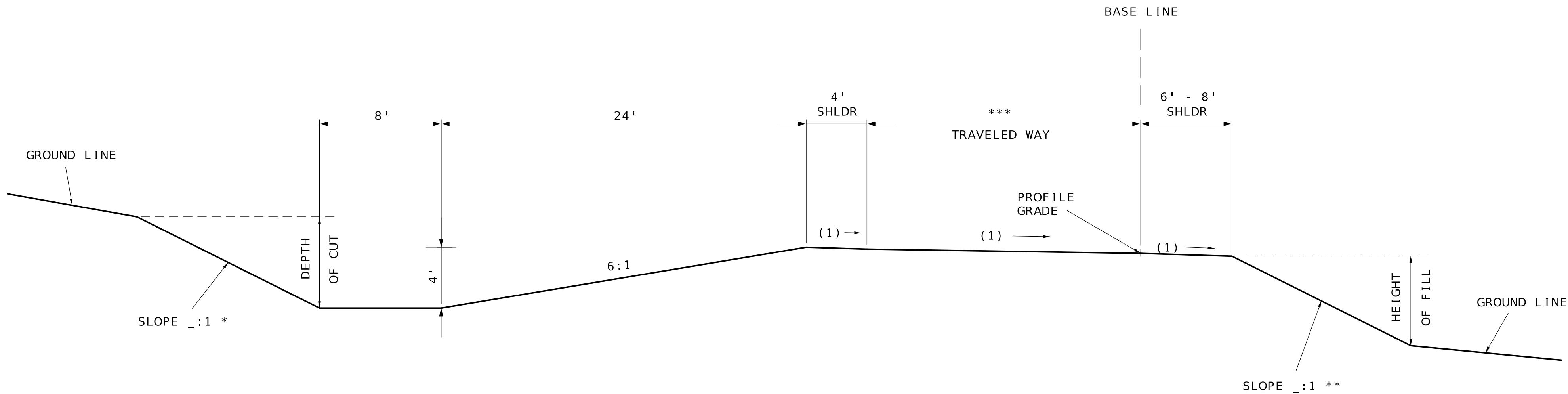
DESCRIPTION

DATE

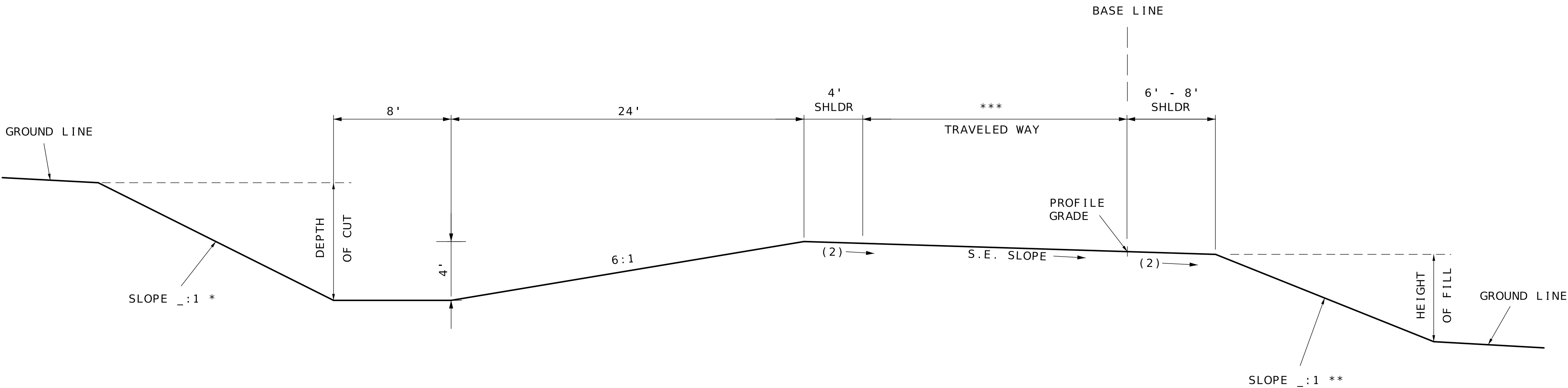
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



CROSS SLOPE
(1) 2.0%
(2) S.E. SLOPE IF GREATER THAN 2.0%.



SECTION ON SUPERELEVATED CURVE
TYPICAL SECTION RTE. XX
STA. XXX.XX TO STA. XXX.XX

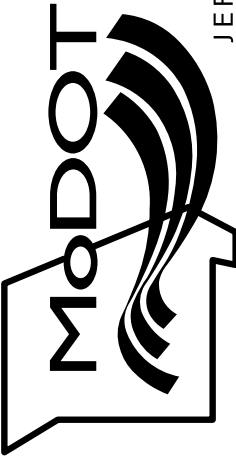
* BACKSLOPE DETERMINED BY SOIL SURVEY.
** THE FILL SLOPE SHALL BE 6:1 OR FLATTER WHEN THE FILL HEIGHT IS EQUAL TO OR LESS THAN 4 FEET (i.e., THE OFFSET FROM THE TOE OF FILL TO THE SHOULDER POINT IS A MINIMUM OF 24 FEET). THE SLOPE MAY VARY TO MEET THIS REQUIREMENT. FOR FILL HEIGHTS GREATER THAN 4 FEET, THE SLOPE SHALL NOT EXCEED THE MAXIMUM SLOPE DETERMINED BY THE SOIL SURVEY.
*** 18' WHEN RADIUS ≥ 400'.
22' WHEN RADIUS < 400'.

D-51L	
FUNCTION	LOOP RAMP
ADT	ALL
TRAVELED WAY WIDTH	USE AUTOTURN
ROADBED WIDTH	USE AUTOTURN
FORESLOPE	6:1
DITCH	4'

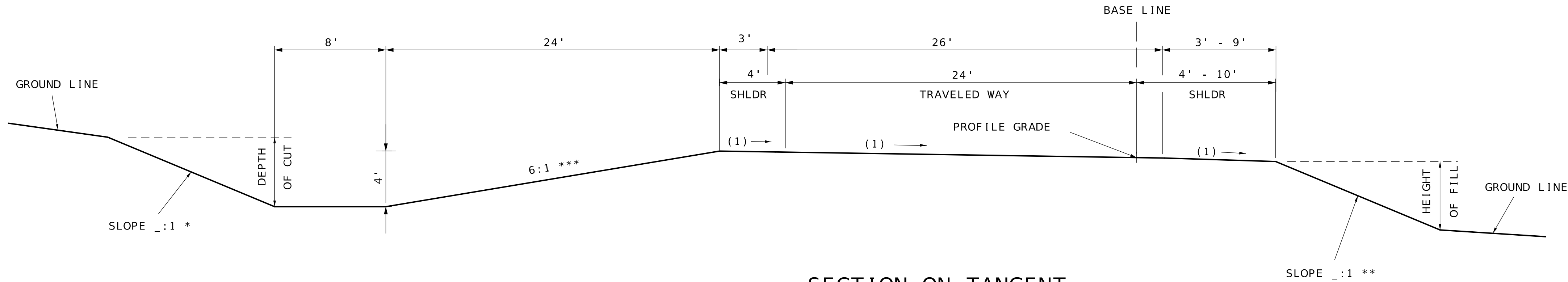
DESCRIPTION

DATE

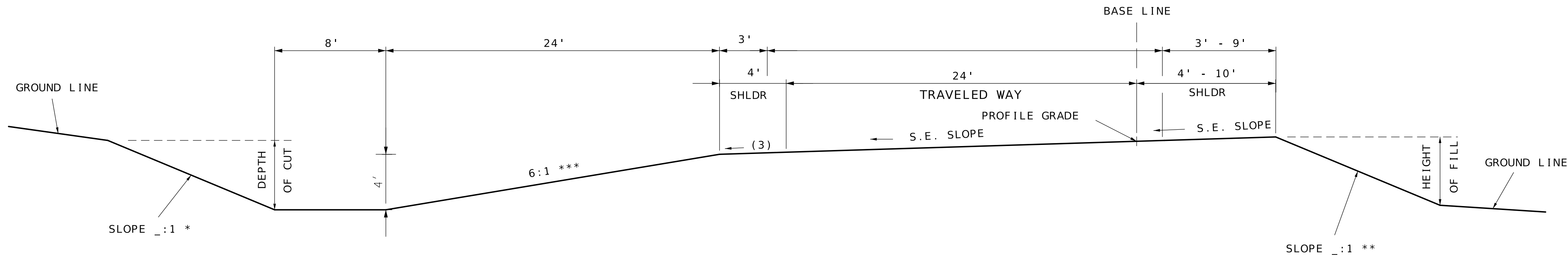
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



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



CROSS SLOPE
(1) 2.0%
(2) S.E. SLOPE IF GREATER THAN 2.0%.



SECTION ON SUPERELEVATED CURVE
TYPICAL SECTION RTE. XX
STA. XXX.XX TO STA. XXX.XX

* BACKSLOPE DETERMINED BY SOIL SURVEY.
** THE FILL SLOPE SHALL BE 6:1 OR FLATTER WHEN THE FILL HEIGHT IS EQUAL TO OR LESS THAN 4 FEET (i.e. THE OFFSET FROM THE TOE OF FILL TO THE SHOULDER POINT IS A MINIMUM OF 24 FEET). THE SLOPE MAY VARY TO MEET THIS REQUIREMENT. FOR FILL HEIGHTS GREATER THAN 4 FEET, THE SLOPE SHALL NOT EXCEED THE MAXIMUM SLOPE DETERMINED BY THE SOIL SURVEY.
*** WHEN CROSS ROAD GOES OVER MAIN ROADWAY, A VARIABLE SLOPE SHALL BE USED FROM RAMP SHOULDER TO MAIN ROADWAY DITCH POINT.

D-53G	
FUNCTION	MULTI-LANE RAMP
ADT	ALL
TRAVELED WAY WIDTH	24'
ROADBED WIDTH	32' - 38'
FORESLOPE	6:1
DITCH	4'

DATE PREPARED
2/5/2024

ROUTE

STATE

MO

DISTRICT

SHEET NO.

X

COUNTY

JOB NO.

CONTRACT ID.

PROJECT NO.

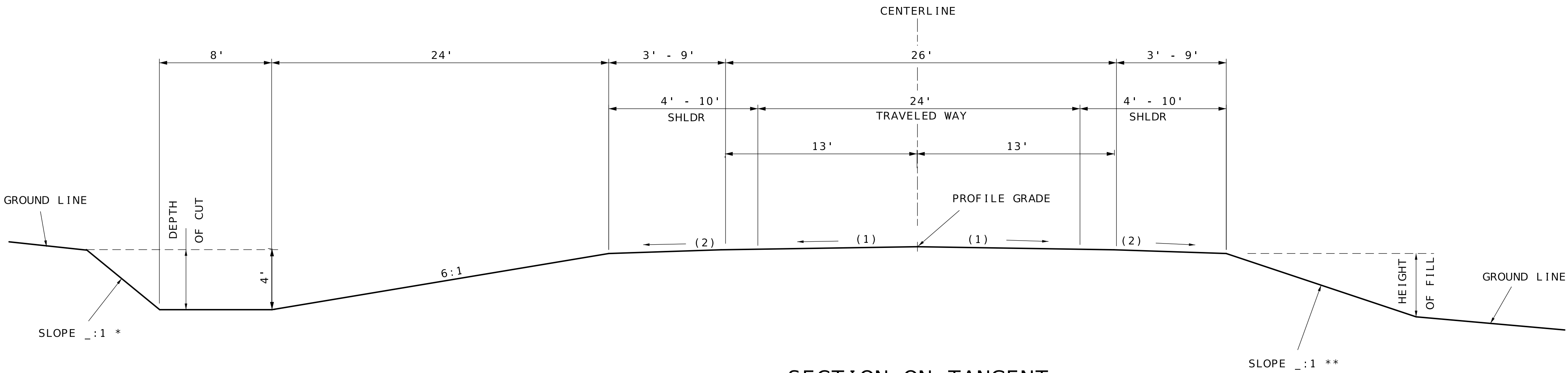
BRIDGE NO.

DESCRIPTION										
DATE										

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

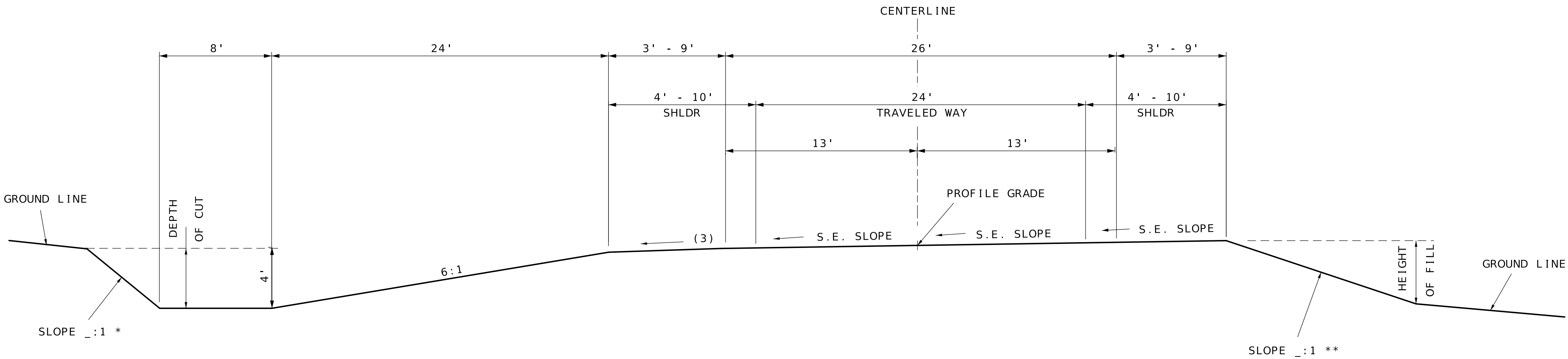


SECTION ON TANGENT
TYPICAL SECTION RTE. XX
STA. XXX.XX TO STA. XXX.XX

CROSS SLOPE

- (1) 2.0%
(2) 2.0% FOR PAVED SHOULDERS
4.0% FOR AGGREGATE SHOULDERS
(3) S.E. SLOPE IF GREATER THAN
4.0% FOR AGGREGATE SHOULDERS
S.E. SLOPE FOR PAVED SHOULDERS

SEE STANDARDS 203.20, 606.00 AND 609.40
FOR SHOULDER WIDENING.



SECTION ON SUPERELEVATED CURVE
TYPICAL SECTION RTE. XX
STA. XXX.XX TO STA. XXX.XX

SHOULDER WIDTH IS 4' TO 10' BASED UPON TRAFFIC VOLUME,
PERCENT TRUCKS AND THE CONTEXT SURROUNDING THE ROAD.

* BACKSLOPE DETERMINED BY SOIL SURVEY.

** THE FILL SLOPE SHALL BE 6:1 OR FLATTER WHEN THE
FILL HEIGHT IS EQUAL TO OR LESS THAN 4 FEET (I.E.,
THE OFFSET FROM THE TOE OF FILL TO THE SHOULDER
POINT IS A MINIMUM OF 24 FEET). THE SLOPE MAY VARY
TO MEET THIS REQUIREMENT. FOR FILL HEIGHTS GREATER
THAN 4 FEET, THE SLOPE SHALL NOT EXCEED THE
MAXIMUM SLOPE DETERMINED BY THE SOIL SURVEY.

D-60E	
FUNCTION	RURAL MAJOR ROUTE- 2-LANE
ADT	NA
TRAVELED WAY WIDTH	24'
ROADBED WIDTH	32 - 44'
FORESLOPE	6:1
DITCH	4'

DATE PREPARED
2/5/2024

ROUTE	STATE
DISTRICT	SHEET NO.

COUNTY

JOB NO.

CONTRACT ID.

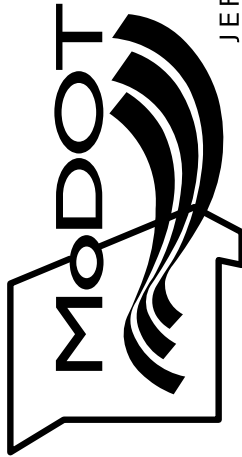
PROJECT NO.

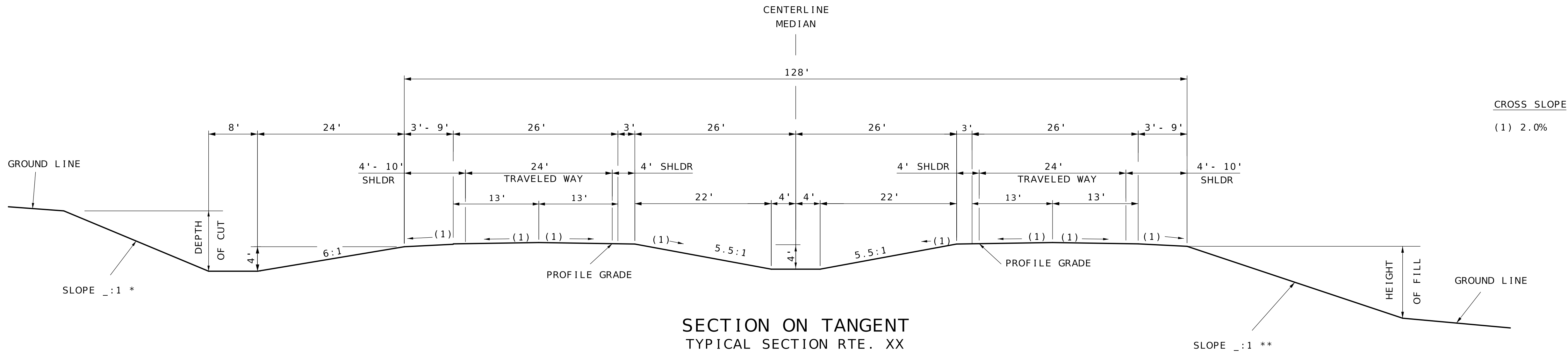
BRIDGE NO.

DESCRIPTION	DATE

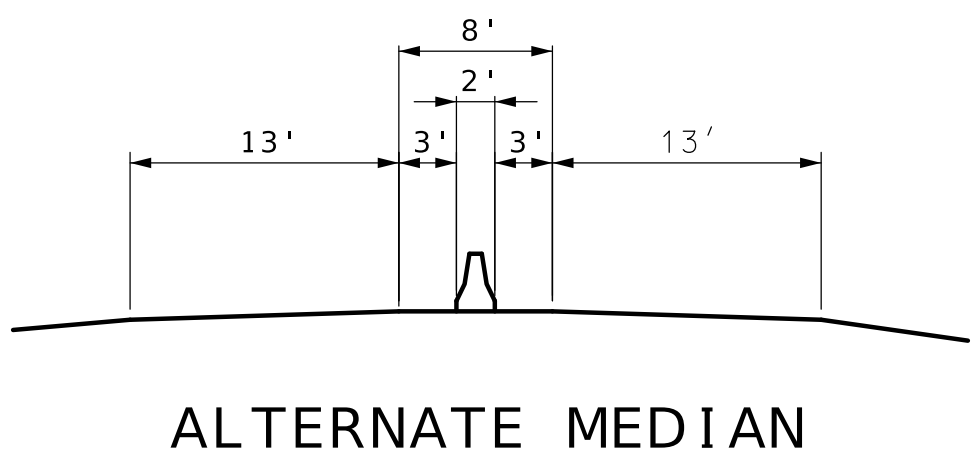
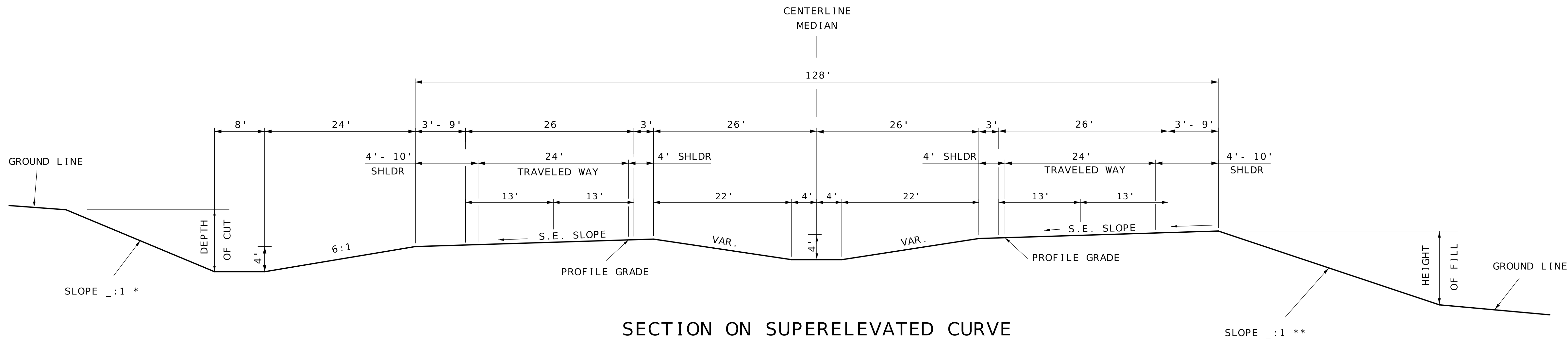
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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





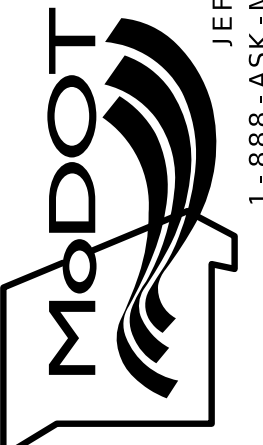
SEE STANDARDS 203.21, 606.00 AND 609.40 FOR
SHOULDER WIDENING.

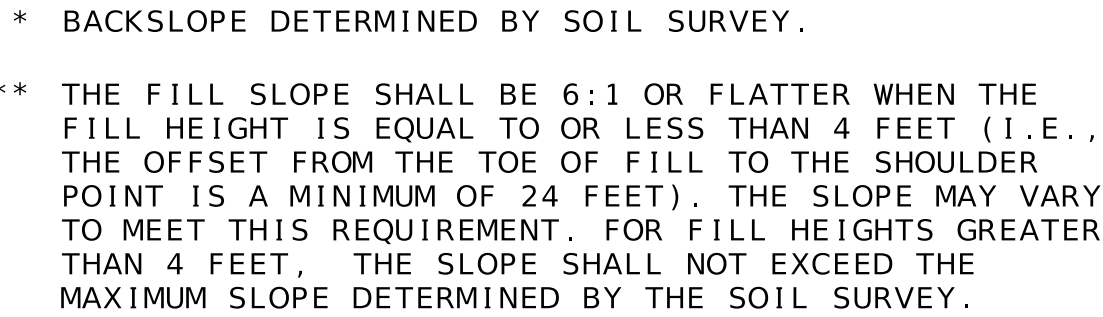
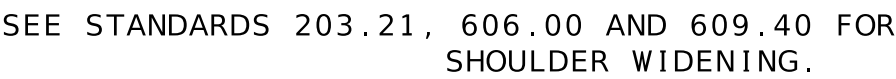


* BACKSLOPE DETERMINED BY SOIL SURVEY.

** THE FILL SLOPE SHALL BE 6:1 OR FLATTER WHEN THE FILL HEIGHT IS EQUAL TO OR LESS THAN 4 FEET (I.E., THE OFFSET FROM THE TOE OF FILL TO THE SHOULDER POINT IS A MINIMUM OF 24 FEET). THE SLOPE MAY VARY TO MEET THIS REQUIREMENT. FOR FILL HEIGHTS GREATER THAN 4 FEET, THE SLOPE SHALL NOT EXCEED THE MAXIMUM SLOPE DETERMINED BY THE SOIL SURVEY.

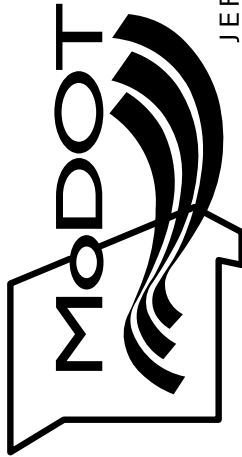
D-61F	
FUNCTION	NON-INTERSTATE RURAL MAJOR ROUTE 4-LANE
ADT	> 1700
TRAVELED WAY WIDTH	24'
ROADBED WIDTH	68' - 128'
FORESLOPE	6:1
DITCH	4'

DATE PREPARED 2/5/2024	
ROUTE	STATE MO
DISTRICT	SHEET NO. X
COUNTY	
JOB NO.	
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)	

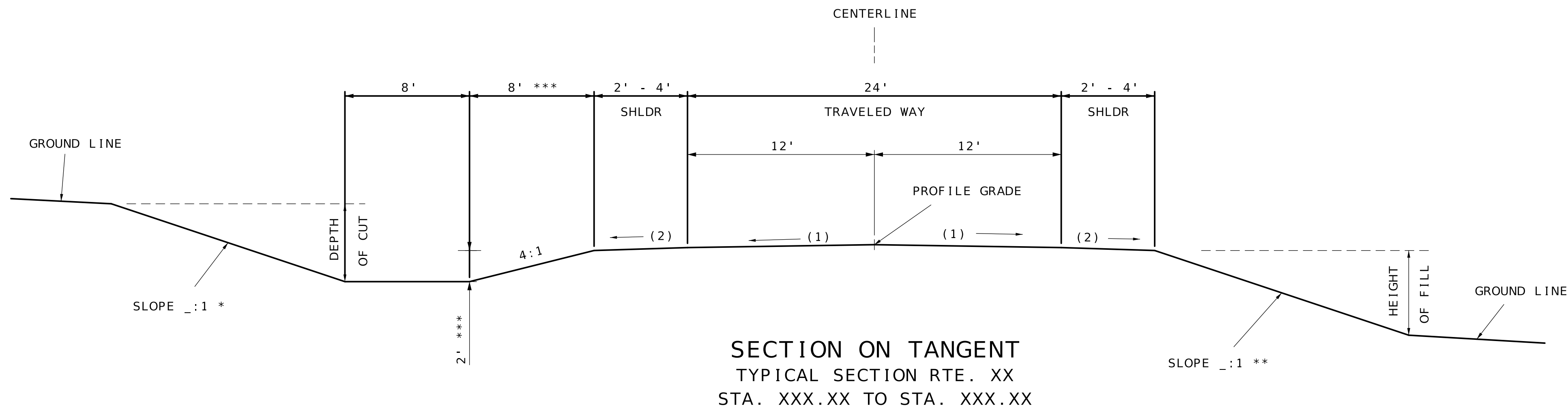


D-61F	
FUNCTION	INTERSTATE
ADT	> 1700
TRAVELED WAY WIDTH	24'
ROADBED WIDTH	128'
FORESLOPE	6:1
DITCH	4'

DATE PREPARED	
2/5/2024	
ROUTE	STATE
	MO
DISTRICT	SHEET NO.
	X
COUNTY	

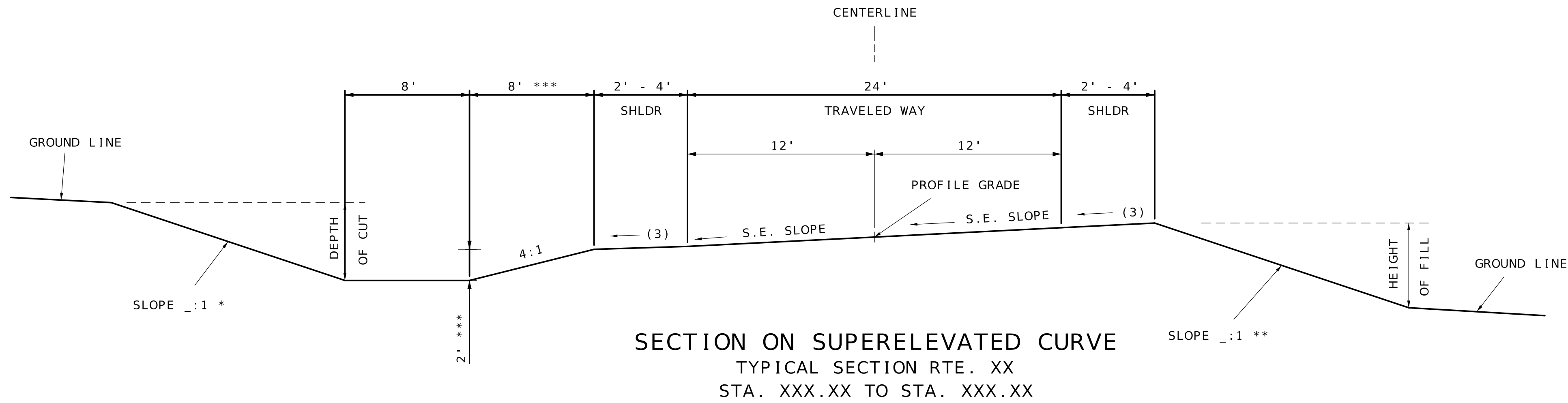
[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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



CROSS SLOPE
(1) 2.0%
(2) 4.0%
(3) S.E. SLOPE IF GREATER THAN 4.0%.

SEE STANDARDS 203.20, 606.00 AND 609.40 FOR SHOULDER WIDENING.



SHOULDER WIDTH IS 2' - 4' BASED UPON TRFFIC VOLUME, PERCENT TRUCKS AND THE CONTEXT OF THE SURROUNDING ROAD.

+ SPOT IMPROVEMENTS SHOULD MATCH EXISTING TEMPLATE.

* BACKSLOPE DETERMINED BY SOIL SURVEY.

** THE FILL SLOPE SHALL BE 4:1 OR FLATTER WHEN THE FILL HEIGHT IS EQUAL TO OR LESS THAN 2 FEET (I.E., THE OFFSET FROM THE TOE OF FILL TO THE SHOULDER POINT IS A MINIMUM OF 8 FEET). THE SLOPE MAY VARY TO MEET THIS REQUIREMENT. FOR FILL HEIGHTS GREATER THAN 2 FEET, THE SLOPE SHALL NOT EXCEED THE MAXIMUM SLOPE DETERMINED BY THE SOIL SURVEY.

*** 4' DITCH DEPTH PREFERRED IF ALTERNATE 18" ROCK BASE IS USED. SIDESLOPE WIDTH SHALL BE 16' FOR 4' DITCH DEPTH.

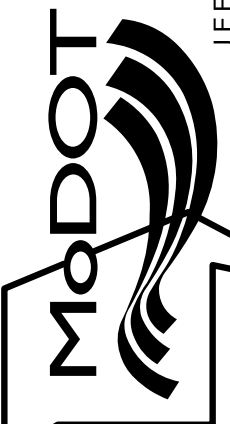
D-64F	
FUNCTION	MINOR RURAL ROADWAY
ADT	N/A
TRAVELED WAY WIDTH	24' +
ROADBED WIDTH	28' - 32' +
FORESLOPE	4:1
DITCH	2'

DATE PREPARED 2/5/2024	
ROUTE	STATE MO
DISTRICT	SHEET NO. X
COUNTY	

JOB NO.
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)



CROSS SLOPE

(1) 2 . 0 %
(2) 4 . 0 %
(3) S . E . SLOPE IF GREATER
THAN 4 . 0 % .

SEE STANDARDS 203.20, 606.00 AND 609.40 FOR
SHOULDER WIDENING.



* BACKSLOPE DETERMINED BY SOIL SURVEY.

THE FILL SLOPE SHALL BE 3:1 OR FLATTER WHEN THE FILL HEIGHT IS EQUAL TO OR LESS THAN 2 FEET (I.E., THE OFFSET FROM THE TOE OF FILL TO THE SHOULDER POINT IS A MINIMUM OF 6 FEET). THE SLOPE MAY VARY TO MEET THIS REQUIREMENT. FOR FILL HEIGHTS GREATER THAN 2 FEET, THE SLOPE SHALL NOT EXCEED THE MAXIMUM SLOPE DETERMINED BY THE SOIL SURVEY.

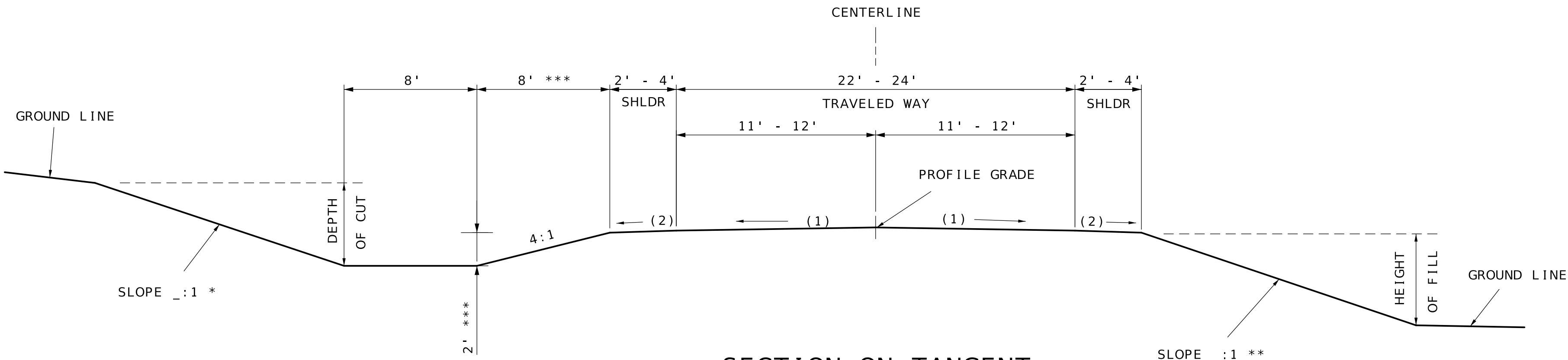
** 4' DITCH DEPTH PREFERRED IF ALTERNATE 18" ROCK
BASE IS USED. SIDESLOPE WIDTH SHALL BE 12' FOR
4' DITCH DEPTH.

D-66F	
FUNCTION	LOW VOLUME LOCAL ROADWAYS
ADT	< 400
TRAVELED WAY WIDTH	20' - 22'
ROADBED WIDTH	24' - 26'
FORESLOPE	3:1
DITCH	2'

DATE PREPARED	
2/5/2024	
ROUTE	STATE
	MO
DISTRICT	SHEET NO.
	X

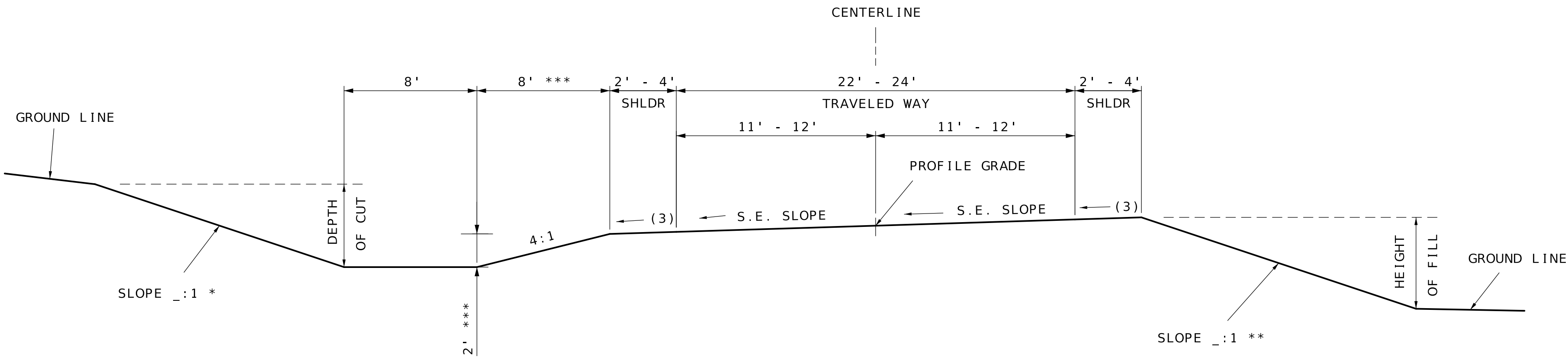
COUNTY
JOB NO.
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



SECTION ON TANGENT
TYPICAL SECTION RTE. XX
STA. XXX.XX TO STA. XXX.XX

CROSS SLOPE
(1) 2.0%
(2) 4.0%
(3) S.E. SLOPE IF GREATER THAN 4.0%



SECTION ON SUPERELEVATED CURVE
TYPICAL SECTION RTE. XX
STA. XXX.XX TO STA. XXX.XX

* BACKSLOPE DETERMINED BY SOIL SURVEY.
** THE FILL SLOPE SHALL BE 4:1 OR FLATTER WHEN THE FILL HEIGHT IS EQUAL TO OR LESS THAN 2 FEET (I.E., THE OFFSET FROM THE TOE OF FILL TO THE SHOULDER POINT IS A MINIMUM OF 8 FEET). THE SLOPE MAY VARY TO MEET THIS REQUIREMENT. FOR FILL HEIGHTS GREATER THAN 2 FEET, THE SLOPE SHALL NOT EXCEED THE MAXIMUM SLOPE DETERMINED BY THE SOIL SURVEY.
*** 4' DITCH DEPTH PREFERRED IF ALTERNATE 18" ROCK BASE IS USED. SIDESLOPE WIDTH SHALL BE 16' FOR 4' DITCH DEPTH.

D-67G	
FUNCTION	LOCAL ROADWAY
ADT	> 400
TRAVELED WAY WIDTH	22' - 24'
ROADBED WIDTH	26' - 32'
FORESLOPE	4:1
DITCH	2'

DATE PREPARED
2/5/2024

ROUTE

STATE
MO

DISTRICT

SHEET NO.
X

COUNTY

JOB NO.

CONTRACT ID.

PROJECT NO.

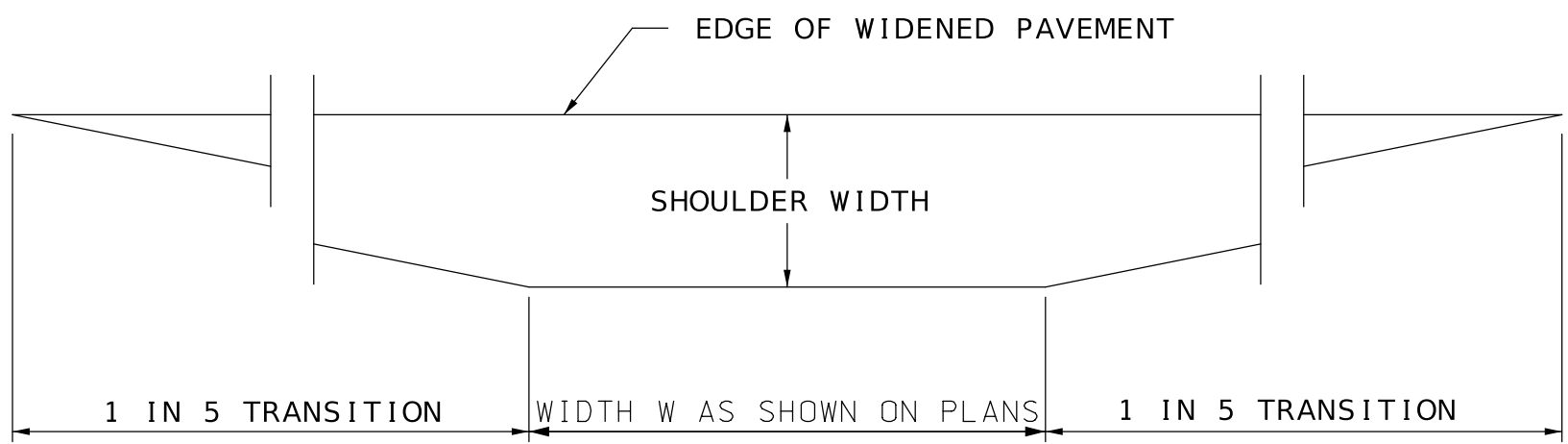
BRIDGE NO.

DESCRIPTION

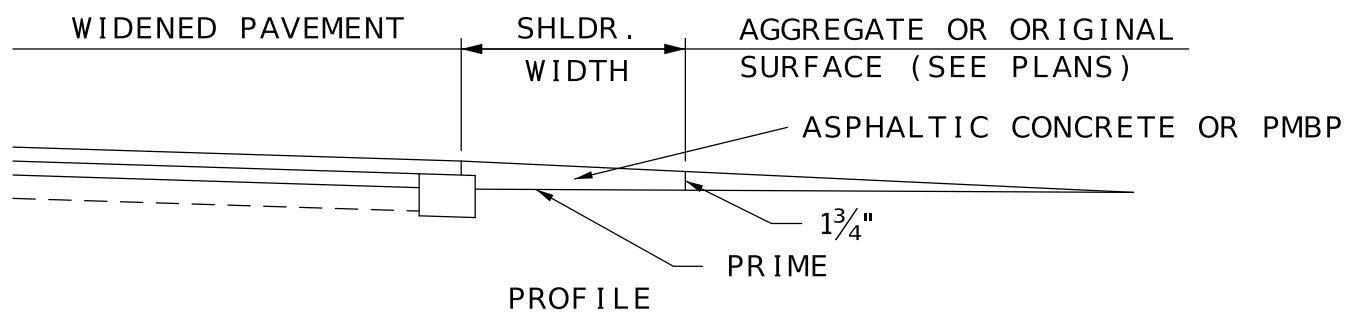
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

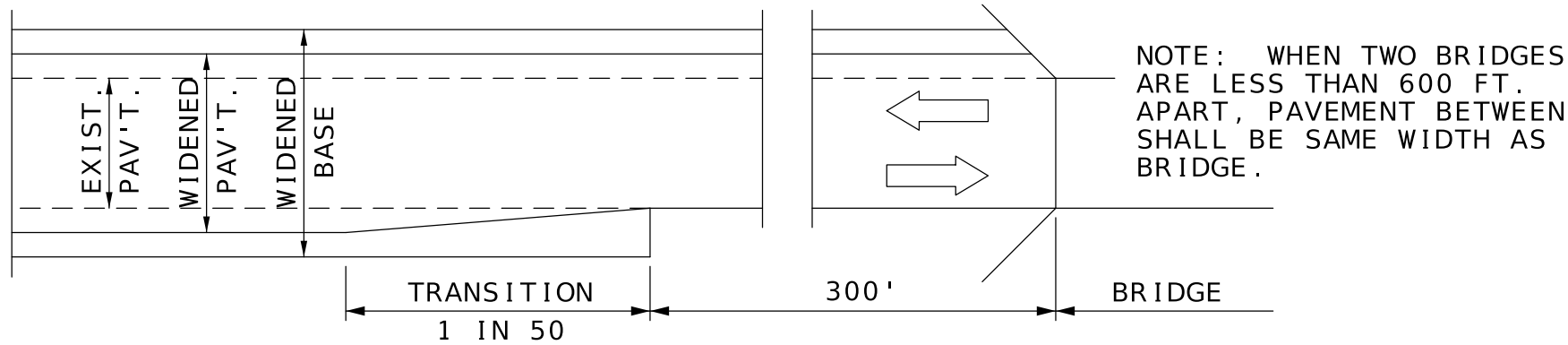
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



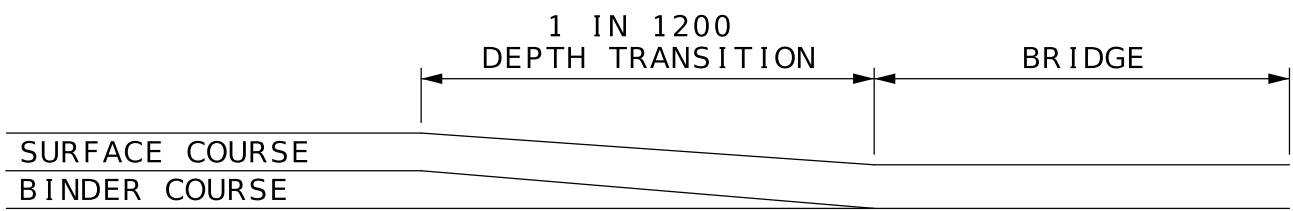
PLAN



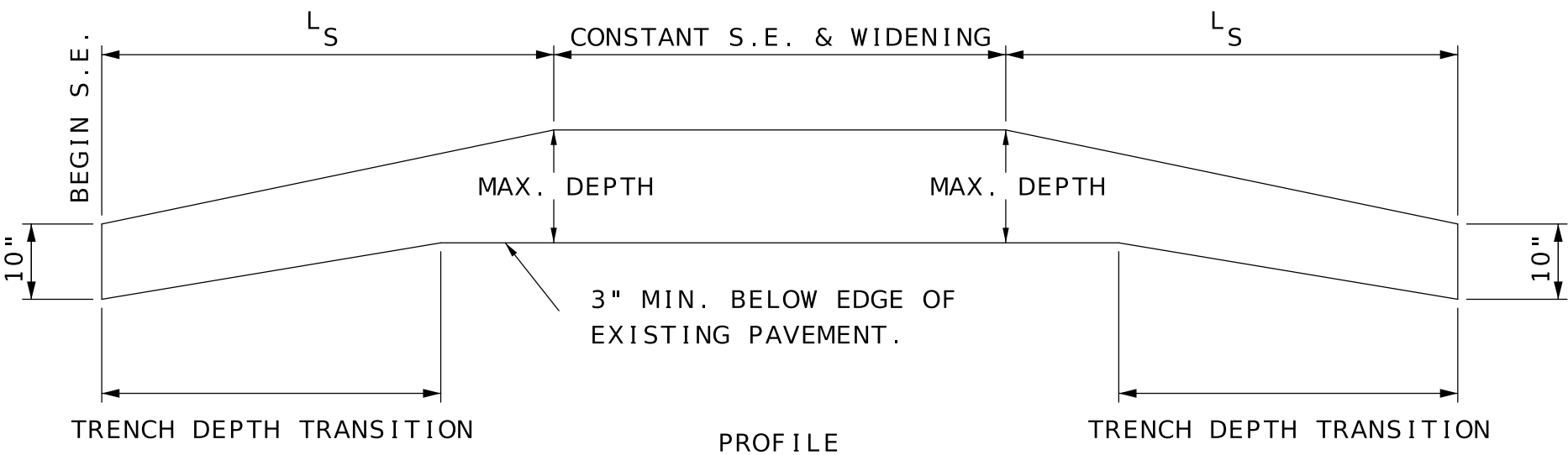
SURFACING REQUIREMENTS AT ENTRANCES & APPROACHES



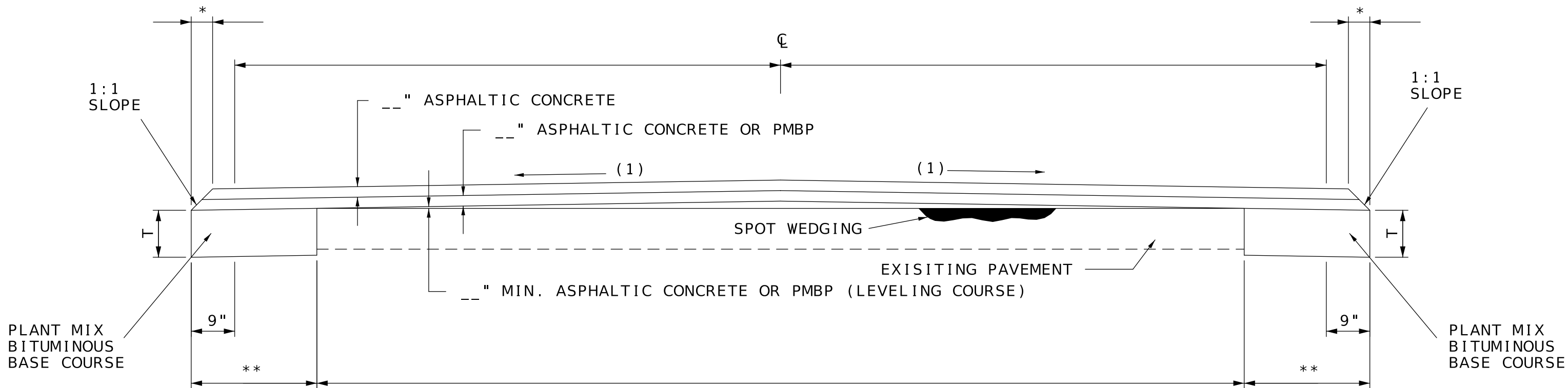
WIDTH TRANSITION AT BRIDGE TO BE RESURFACED



DEPTH TRANSITION AT BRIDGE TO BE RESURFACED
(REMOVE LIP CURB TO 1" MIN. DEPTH BELOW FINISHED SURFACE COURSE)



BASE WIDENING DEPTH TRANSITION
ON OUTSIDE OF S.E. CURVES

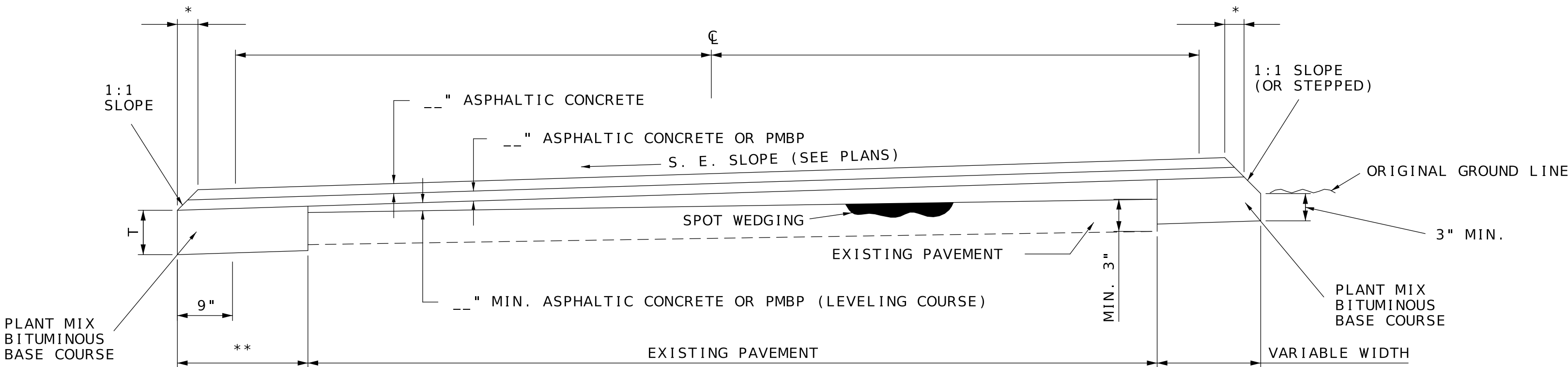


SECTION ON TANGENT

(1) MATCH EXISTING

* VARIABLE - NOT TO EXCEED 9".

** 1'- 9" IF WIDENING EXISITING 10' TRAVELED WAY TO 11' ROADWAY.
1'- 9" IF WIDENING EXISITING 11' TRAVELED WAY TO 12' ROADWAY.
2'- 9" IF WIDENING EXISITING 10' TRAVELED WAY TO 12' ROADWAY.



SECTION ON SUPERELEVATED CURVE

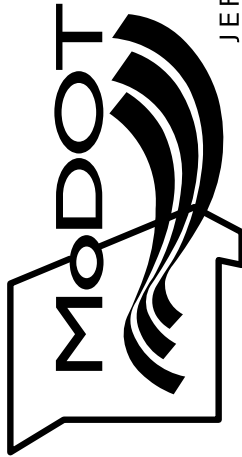
TYPICAL DETAILS
FOR
WIDENING AND RESURFACING

D-71G	
FUNCTION	WIDENING & RESURFACING WITHOUT LIP CURB
TRAVELED WAY WIDTH	N/A
ROADBED WIDTH	N/A
FORESLOPE	N/A
DITCH	N/A

DESCRIPTION

DATE

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