

OPTIONAL SHOULDERS AND GRADING								
LOG MI	LOG MI	LOC	LENGTH FT	WIDTH FT	OPTIONAL SHOULDER 5" BP-1 PG 64-22 2.050 TON/CY		SHOULDER GRADING 100 FT	REMARKS
					CY	TON		
0.020	4.847	LT	25486.56	2	928.21	1902.83	254.87	
0.020	4.847	RT	25486.56	2	928.21	1902.83	254.87	
4.874	9.620	LT	25058.88	2	912.64	1870.91	250.59	
4.874	9.620	RT	25058.88	2	912.64	1870.91	250.59	
				SUBTOTAL		7547.48	1010.92	
				TOTAL		SEE TOTAL	1011	

TACK COAT SHALL INCLUDE VERTICAL FACE APPLICATION
LOG MILES AND LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS TO BE FIELD VERIFIED OR DETERMINED BY THE ENGINEER.

GRAVEL A OR CRUSHED STONE B				
LOG MI	LOG MI	LOC	GRAVEL A OR CRUSHED STONE B TONS	REMARKS
0.020	9.620	VAR	54	APPROX 54 ENTRANCES (2' APRON)
0.020	9.620	VAR	52	DRIVEWAY PIPE REPLACEMENTS (26 LOCATIONS)
TOTAL			106	

ESTIMATED QUANTITIES. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.
SEE SPECIAL SHEETS FOR ENTRANCE DETAILS.

REMOVAL OF IMPROVEMENTS		
LOG MI	LOC	DESCRIPTION
0.101	RTE M	CULVERT 1 - 18" CMP - 40'
0.673	RTE M	EXISTING 15" - 29' DRIVEWAY PIPE
0.746	RTE M	EXISTING 15" - 26' DRIVEWAY PIPE
1.102	RTE M	EXISTING 24" - 29' DRIVEWAY PIPE
1.177	RTE M	EXISTING 12" - 25' DRIVEWAY PIPE
1.198	RTE M	EXISTING 15" - 16' DRIVEWAY PIPE
1.229	RTE M	EXISTING 12" - 25' DRIVEWAY PIPE
1.247	RTE M	EXISTING 15" - 16' DRIVEWAY PIPE
1.342	RTE M	EXISTING 18" - 50' DRIVEWAY PIPE
1.416	RTE M	EXISTING 15" - 25' DRIVEWAY PIPE
1.520	RTE M	EXISTING 12" - 40' DRIVEWAY PIPE
1.800	RTE M	EXISTING 12" - 20' DRIVEWAY PIPE
1.689	RTE M	CULVERT 7 - 36" CMP - 40'
1.922	RTE M	CULVERT 8 - 24" CMP - 40'
2.155	RTE M	EXISTING 15" - 20' DRIVEWAY PIPE
2.433	RTE M	CULVERT 12 - DOUBLE 24" CMP - 40'
2.566	RTE M	CULVERT 13 - 15" CMP - 48'
3.007	RTE M	CULVERT 16 - 24" CMP - 48'
3.190	RTE M	EXISTING 15" - 18' DRIVEWAY PIPE
3.276	RTE M	CULVERT 18 - 18" CMP - 40'
3.367	RTE M	CULVERT 19 - 15" CMP - 45'
3.550	RTE M	EXISTING 12" - 28' DRIVEWAY PIPE
3.615	RTE M	EXISTING 12" - 28' DRIVEWAY PIPE
3.619	RTE M	CULVERT 21 - 15" CMP - 42'
3.735	RTE M	EXISTING 12" - 28' DRIVEWAY PIPE
3.777	RTE M	CULVERT 22 - 15" CMP - 40'
3.935	RTE M	CULVERT 24 - 15" CMP - 40'
4.079	RTE M	CULVERT 25 - 15" CMP - 40'
4.361	RTE M	CULVERT 27 - 15" CMP - 45'
4.644	RTE M	CULVERT 29 - 18" CMP - 40'
4.847	RTE M	TYPE 3 OBJECT MARKERS AT BRIDGE T0432
4.874	RTE M	TYPE 3 OBJECT MARKERS AT BRIDGE T0432
SUBTOTAL 1		1 LUMP SUM

*PIPE REMOVAL INCLUDES EXCAVATION FOR NEW PIPE INSTALLATION

REMOVAL OF IMPROVEMENTS		
LOG MI	LOC	DESCRIPTION
4.985	RTE M	CULVERT 31 - 15" CMP - 38'
5.095	RTE M	CULVERT 32 - 15" CMP - 40'
5.278	RTE M	CULVERT 33 - 15" CMP - 40'
5.389	RTE M	CULVERT 34 - 15" CMP - 33'
5.612	RTE M	EXISTING 12" - 32' DRIVEWAY PIPE
6.030	RTE M	EXISTING 12" - 27' DRIVEWAY PIPE
6.443	RTE M	CULVERT 41 - 18" CMP - 38'
6.594	RTE M	CULVERT 42 - 15" CMP - 40'
6.730	RTE M	CULVERT 43 - 18" CMP - 40'
6.874	RTE M	CULVERT 44 - 15" CMP - 40'
6.870	RTE M	EXISTING 12" - 20' DRIVEWAY PIPE
6.923	RTE M	EXISTING 12" - 31' DRIVEWAY PIPE
7.095	RTE M	EXISTING 12" - 25' DRIVEWAY PIPE
7.229	RTE M	EXISTING 12" - 20' DRIVEWAY PIPE
7.342	RTE M	CULVERT 46 - 15" CMP - 40'
7.697	RTE M	CULVERT 48 - 18" CMP - 45'
7.787	RTE M	EXISTING 12" - 25' DRIVEWAY PIPE
8.090	RTE M	EXISTING 12" - 35' DRIVEWAY PIPE
8.098	RTE M	EXISTING 12" - 32' DRIVEWAY PIPE
8.480	RTE M	CULVERT 53 - 18" CMP - 50'
8.548	RTE M	EXISTING 12" - 21' DRIVEWAY PIPE
8.548	RTE M	EXISTING 18" - 42' DRIVEWAY PIPE
8.877	RTE M	EXISTING 15" - 20' DRIVEWAY PIPE
8.940	RTE M	CULVERT 56 - 30" CMP - 40'
9.065	RTE M	CULVERT 57 - 18" CMP - 46'
9.178	RTE M	CULVERT 58 - 15" CMP - 45'
9.472	RTE M	CULVERT 59 - 18" CMP - 36'
SUBTOTAL 2		1 LUMP SUM
SUBTOTAL 1		1 LUMP SUM
TOTAL		1 LUMP SUM

*PIPE REMOVAL INCLUDES EXCAVATION FOR NEW PIPE INSTALLATION

*PIPE REMOVAL INCLUDES EXCAVATION FOR NEW PIPE INSTALLATION

PERMANENT AGGREGATE EDGE TREATMENT					
LOG MI	LOG MI	LOC	LENGTH FT	PERM AGG EDGE TREATMENT TONS	REMARKS
0.020	9.620	LT & RT	50688	1500	
			TOTAL	1500.0	
PERMANENT AGGREGATE EDGE TREATMENT SHALL BE USED TO CONSTRUCT MAILBOX TURNOUTS THROUGHOUT THE PROJECT AND OTHER LOCATIONS AS DIRECTED BY ENGINEER.					

MAILBOX POSTS			
		WOOD POST 4" x 4"	
LOG MI	LOG MI	LF	REMARKS
0.020	9.620	72.0	APPROX. 12 POSTS
		72	

ESTIMATED QUANTITIES.

LOCATIONS TO BE DETERMINED BY THE ENGINEER.

ESTIMATED SHOULDERING EARTHWORK					
LOG MI	LOG MI	LOC	CUT CY	FILL CY	REMARKS
0.020	9.620	RTE M	3000 TO 5000	2600 TO 4400	
			NO DIRECT PAY	NO DIRECT PAY	
ESTIMATED QUANTITIES FOR INFORMATIONAL PURPOSES ONLY					
CONTRACTOR IS RESPONSIBLE FOR ESTIMATING QUANTITY BEFORE BIDDING					

OPTIONAL ASPHALTIC CONCRETE WEARING SURFACE				
LOG MI	LOG MI	LOC	SY	REMARKS
4.847	4.874	LT & RT	63	BRIDGE T0432
		TOTAL	63	
ESTIMATED QUANTITY.				

SCRUB SEAL							
LOG MI	LOG MI	LOC	LENGTH FT	WIDTH FT	MINERAL AGGREGATE SY	SCRUB SEAL EMULSION GAL	REMARKS
0.020	4.828	CL	25386.24	24	67696.6	16924.2	
4.893	9.620	CL	24958.56	24	66556.2	16639.1	
				TOTAL	134253	33563	

SCRUB SEAL EMULSION RATE OF 0.25 GAL/SY.
LOG MILES ARE APPROXIMATE.

SCRUB SEAL EMULSION RATE OF 0.25 GAL/SY.
LOG MILES ARE APPROXIMATE.

MOBILIZATION - LUMP SUM 1

ADDITIONAL MOBILIZATION FOR SEEDING
3 OCCURENCES EACH

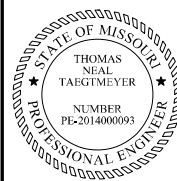
3 OCCURENCES EACH

3 REVISED

2 SHEET ADDED

SUMMARY OF QUANTITIES
SHEET 1 OF 5

SHEET 1 OF 5



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED _____

5 / 9 / 2021

ROUTE	STATE
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M	MO
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DISTRICT	SHEET NO
35	3A

SE	3A
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COUNTY

OREGON

JOB NO.
1650100

JSE0108

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

Pickering

Pickering Firm, Inc.
101 South Church Street, Suite 303
Jonesboro, AR 72401
Phone: 870.336.0117

BITUMINOUS PAVEMENT - OVERLAY									
LOG MI	LOG MI	LOC	LENGTH FT	WIDTH FT	THICKNESS IN	2" BP-1 PG 64-22 2.050 TON/CY		TACK 0.08 GAL/SY	REMARKS
						CY	TON	GAL	
4.828	4.847	CL	100	24	2	15.04	30.83	21.33	LANES AND SHOULDERS
4.847	4.874	CL	142.56	25.5	2	22.44	46.00	32.31	BRIDGE T0432
4.874	4.893	CL	100	24	2	15.04	30.83	21.33	LANES AND SHOULDERS
					SUBTOTAL		107.66	74.97	
					TOTAL		SEE TOTAL	75	

LOG MILES AND LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS TO BE FIELD VERIFIED OR DETERMINED BY THE ENGINEER.

3 ADDED

STATE OF MISSOURI
 THOMAS NEAL TAEGTMEYER
 NUMBER PE-2014000093
 PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
5/9/2025

ROUTE M	STATE MO
DISTRICT SE	SHEET NO. 3

COUNTY
OREGON

JOB NO.
JSE0108

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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



Pickering

Pickering Firm, Inc.
101 South Church Street, Suite 303
Jonesboro, AR 72401
Phone: 870.336.0117
Missouri Certificate of Authority No. 2012006790



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 Phone: 870.336.0117

1

3 REVISED

SUMMARY OF QUANTITIES
SHEET 3 OF 5

DRIVEWAY PIPES								
LOG MI	LOC	EXISTING SIZE	GROUP C 15" PIPE LF	GROUP C 18" PIPE LF	GROUP C 24" PIPE LF	PIPE CLEANOUT EACH	8" BP-1 PG64-22 (2.050 TON/CY) TONS	REMARKS
0.234	LT	15"				1		PIPE CLEANOUT
0.240	RT	15"				1		PIPE CLEANOUT
0.257	RT	15"				1		PIPE CLEANOUT
0.540	LT	15"				1		PIPE CLEANOUT
0.673	LT	15"	32.00					PIPE REPLACE - AGGREGATE DRIVEWAY
0.746	RT	18"				1		PIPE CLEANOUT
0.748	LT	15"	32.00					PIPE REPLACE - AGGREGATE DRIVEWAY
0.880	LT	18"				1		PIPE CLEANOUT
1.102	LT	24"			32.00		18.22	PIPE REPLACE - PAVED DRIVEWAY
1.177	RT	12"	32.00					PIPE REPLACE - AGGREGATE DRIVEWAY
1.198	LT	15"	32.00					PIPE REPLACE - AGGREGATE DRIVEWAY
1.229	RT	12"	32.00					PIPE REPLACE - AGGREGATE DRIVEWAY
1.247	RT	15"	32.00					PIPE REPLACE - AGGREGATE DRIVEWAY
1.342	LT	18"		50.00				PIPE REPLACE - AGGREGATE DRIVEWAY
1.416	LT	15"	32.00					PIPE REPLACE - AGGREGATE DRIVEWAY
1.520	LT	12"	40.00					PIPE REPLACE - AGGREGATE DRIVEWAY
1.540	LT	15"				1		PIPE CLEANOUT
1.559	LT	15"				1		PIPE CLEANOUT
1.610	LT	42"				1		PIPE CLEANOUT
1.800	LT	12"	32.00					PIPE REPLACE - AGGREGATE DRIVEWAY
2.070	LT	15"				1		PIPE CLEANOUT
2.155	LT	15"	32.00					PIPE REPLACE - AGGREGATE DRIVEWAY
3.190	RT	15"	32.00					PIPE REPLACE - AGGREGATE DRIVEWAY
3.225	LT	18"				1		PIPE CLEANOUT
3.409	LT	15"				1		PIPE CLEANOUT
3.550	LT	12"	32.00					PIPE REPLACE - AGGREGATE DRIVEWAY
3.615	LT	12"	32.00					PIPE REPLACE - AGGREGATE DRIVEWAY
3.735	LT	12"	32.00					PIPE REPLACE - AGGREGATE DRIVEWAY
3.824	LT	15"				1		PIPE CLEANOUT
5.613	RT	12"	32.00					PIPE REPLACE - AGGREGATE DRIVEWAY
5.837	LT	24"				1		PIPE CLEANOUT - CRD 347
6.030	LT	12"	32.00					PIPE REPLACE - AGGREGATE DRIVEWAY
6.376	RT	24"				1		PIPE CLEANOUT
6.870	RT	12"	32.00					PIPE REPLACE - AGGREGATE DRIVEWAY
6.880	LT	18"				1		PIPE CLEANOUT
6.923	RT	12"	32.00					PIPE REPLACE - AGGREGATE DRIVEWAY
7.095	RT	12"	32.00					PIPE REPLACE - AGGREGATE DRIVEWAY
7.229	LT	12"	32.00					PIPE REPLACE - AGGREGATE DRIVEWAY
7.610	LT	15"				1		PIPE CLEANOUT
7.612	RT	18"				1		PIPE CLEANOUT
7.787	LT	12"	32.00					PIPE REPLACE - AGGREGATE DRIVEWAY
8.090	LT	12"	35.00					PIPE REPLACE - AGGREGATE DRIVEWAY
8.098	RT	12"	32.00					PIPE REPLACE - AGGREGATE DRIVEWAY
8.216	RT	18"				1		PIPE CLEANOUT
8.348	RT	18"				1		PIPE CLEANOUT - CRD 352
8.548	LT	12"	32.00					PIPE REPLACE - AGGREGATE DRIVEWAY
8.548	RT	18"		32.00				PIPE REPLACE - AGGREGATE DRIVEWAY
8.877	LT	15"	32.00				9.87	PIPE REPLACE - PAVED CRD 354
			SUBTOTAL 2	811	82	32	20	28.09
			SUBTOTAL 1	-	934	166	-	404.09
			TOTAL	811	1016	198	20	SEE TOTAL
LOG MILES ARE APPROXIMATE. ESTIMATED QUANTITIES. LOCATIONS TO BE FIELD VERIFY OR DETERMINED BY THE ENGINEER.								

ASPHALT TOTAL		
DESCRIPTION	BITUMINOUS PAVEMENT MIXTURE BP-1 PG 64-22 TONS	REMARKS
OPTIONAL SHOULDER	7547.48	SEE QUANTITY SHEET 1
CROSS ROAD PIPE REPLACEMENT	404.09	SEE QUANTITY SHEET 3
BITUMINOUS PAVEMENT - OVERLAY	107.66	SEE QUANTITY SHEET 3
DRIVEWAY PIPE REPLACEMENT	28.09	SEE QUANTITY SHEET 4
TOTAL	8087.3	

3 REVISED

3 REVISED

SUMMARY OF QUANTITIES
SHEET 4 OF 5

STATE OF MISSOURI

THOMAS NEAL TAEGTMEYER

NUMBER PE-2014000093

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
5/9/2025

ROUTE
M

DISTRICT
SE

STATE
MO

SHEET NO.
3

COUNTY
OREGON

JOB NO.
JSE0108

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

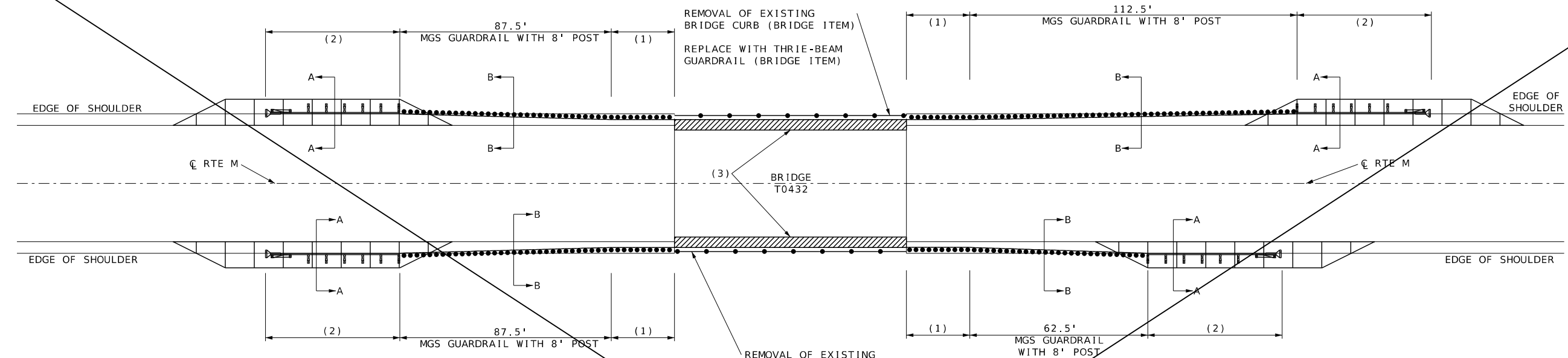
105 WEST CAPITOL JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-273-6636)

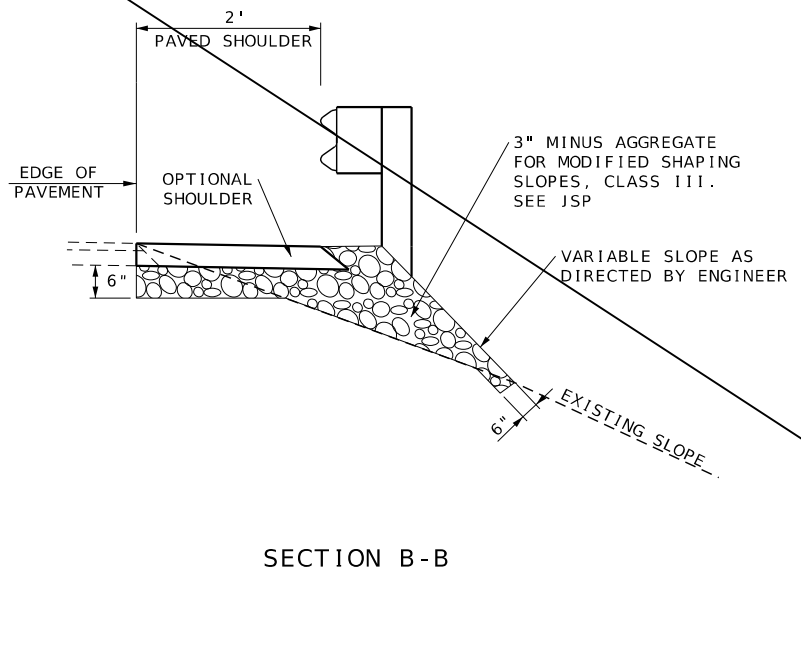
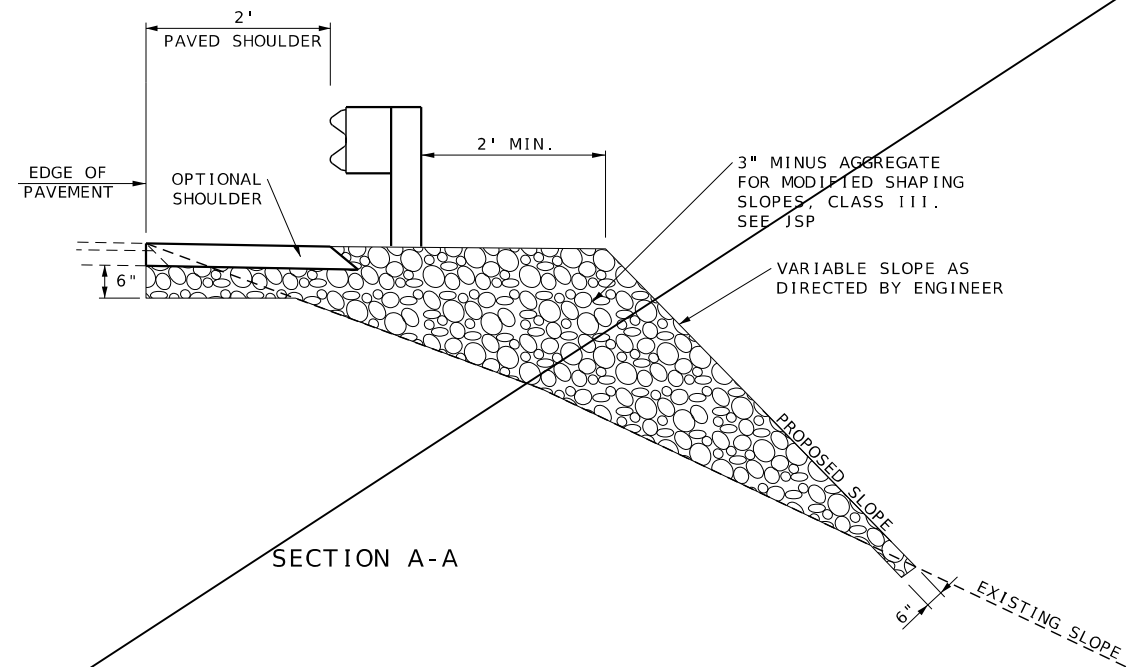
Pickering

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Missouri Certificate of Authority No. 2012006790



- NOTES:
- SEE STD 606.81 FOR GRADING LIMITS OF MODIFIED SHAPING SLOPES CLASS III.
- (1) MGS BRIDGE APPROACH TRANSITION
 - ADDITIONAL GUARDRAIL POST TO BE INSTALLED BETWEEN THRIE-BEAM AND BRIDGE APPROACH TRANSITION AT NO ADDITIONAL COST - SEE BRIDGE PLANS FOR DETAILS.
 - (2) TYPE A CRASHWORTHY END TERMINAL (MASH)
 - (3) OPTIONAL ASPHALTIC CONCRETE BRIDGE WEARING SURFACE:
 - INSTALL WEARING SURFACE APPROXIMATELY 24 INCHES WIDE FOR LENGTH OF THE BRIDGE IN AREAS OF CURB REMOVAL.
 - WEARING SURFACE SHALL MATCH THE THICKNESS AND TYPE OF EXISTING BRIDE WEARING SURFACE.



DETAIL FOR GUARDRAIL WIDENING,
SHOULDERING AND SHAPING SLOPES AT BRIDGE ENDS

3 SHEET DELETED

SPECIAL SHEETS
SHEET 3 OF 3
DRAWING NOT TO SCALE

THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
5/9/2025

ROUTE M	STATE MO
DISTRICT SE	SHEET NO. 11

COUNTY
OREGON

JOB NO.
JSE0108

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

MISSOURI HIGHWAYS AND TRANSPORTATION
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105 WEST CAPITOL
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1-888-ASK-MODOT (1-888-275-6636)

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