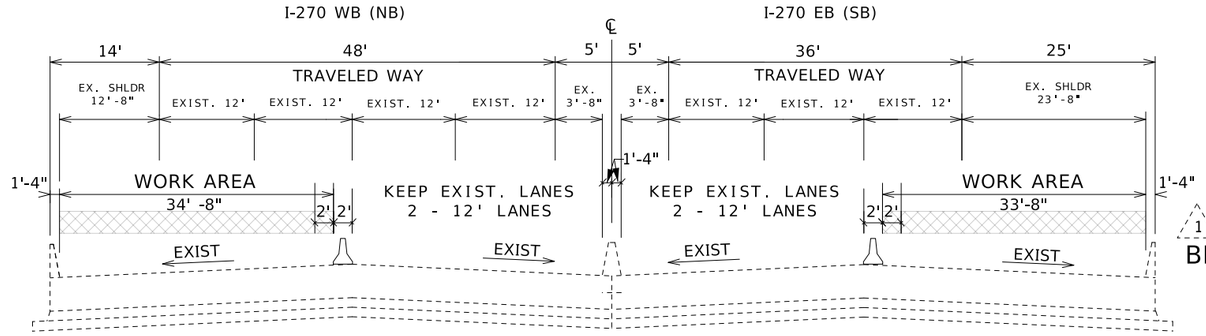
BRIDGE A1033

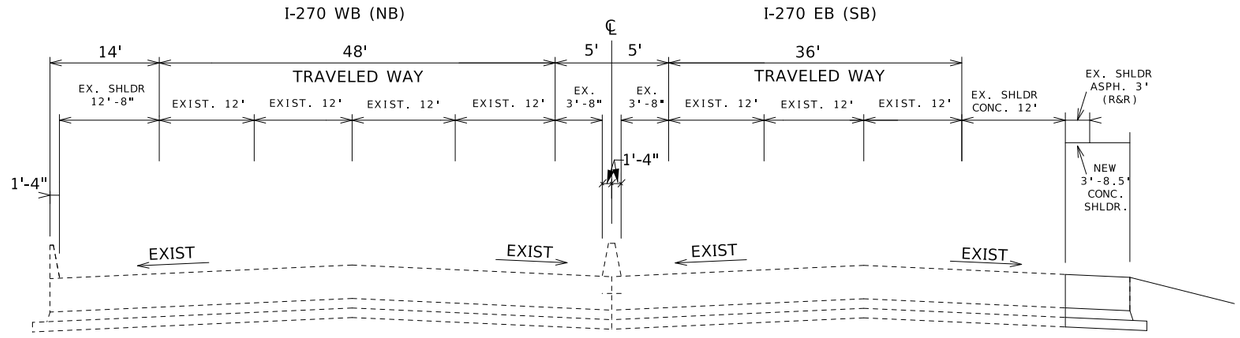
STAGE 1



1 NOTE: BARRIER TO BARRIER BRIDGE WIDTH BASED ON BRIDGE PLANS IS 65' FOR I-270 WB AND 65' FOR I-270 EB

I-270 OVER VON TALGE AND RR

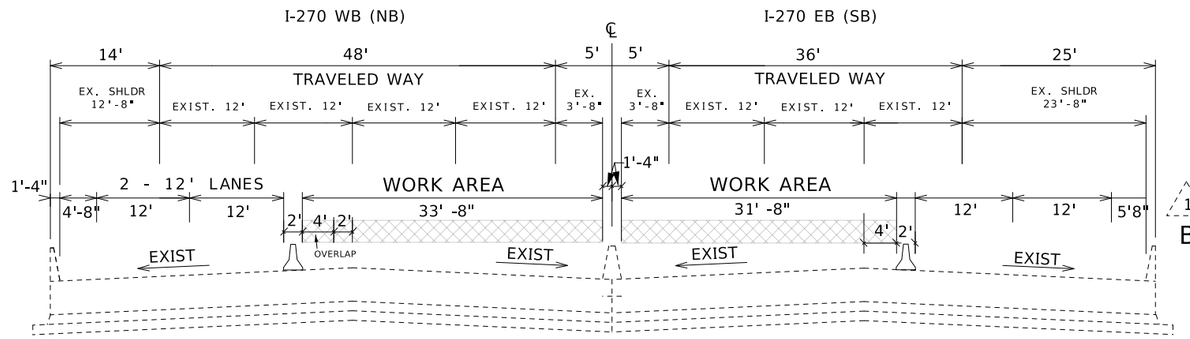
SHOULDER WIDENING STA 1058+35 TO STA 1061+65



I-270 OVER VON TALGE AND RR

BRIDGE A1033

STAGE 2



1 NOTE: BARRIER TO BARRIER BRIDGE WIDTH BASED ON BRIDGE PLANS IS 65' FOR I-270 WB AND 65' FOR I-270 EB

I-270 OVER VON TALGE AND RR

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
11/06/2026 3:23:56 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
11/6/2026

ROUTE	STATE
I-270	MO
DISTRICT	SHEET NO.
SL	2

COUNTY
ST. LOUIS

JOB NO.
JSL0053

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

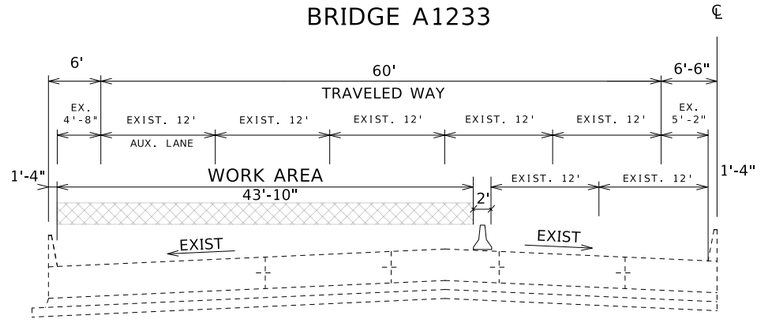
DESCRIPTION	DATE

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

TYPICAL SECTIONS
TRAFFIC CONTROL STAGING

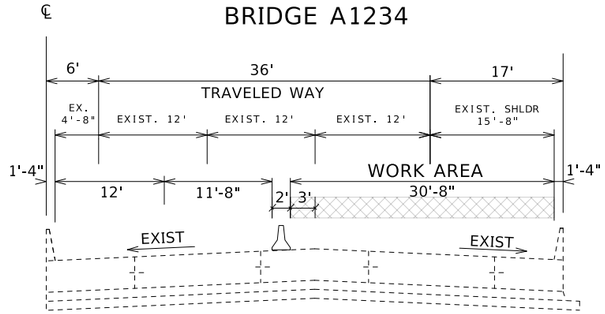
STAGE 1

BRIDGE A1233



WB I-270 OVER I-55

BRIDGE A1234



EB I-270 OVER I-55

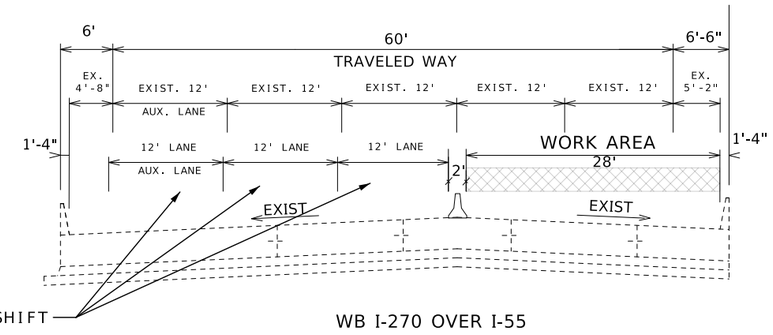
STAGE 1

1 NOTE: BARRIER TO BARRIER BRIDGE WIDTH BASED ON BRIDGE PLANS IS 69'-11" FOR BRIDGE A1233

1 NOTE: BARRIER TO BARRIER BRIDGE WIDTH BASED ON BRIDGE PLANS IS 56'-6.5" FOR BRIDGE A1234

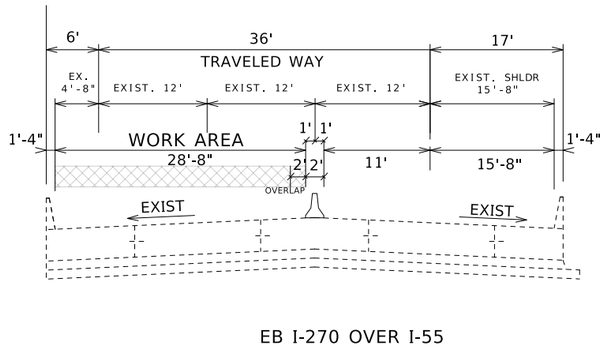
STAGE 2

BRIDGE A1233



WB I-270 OVER I-55

BRIDGE A1234



EB I-270 OVER I-55

STAGE 2

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
11/06/2026 3:27:52 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
11/6/2026

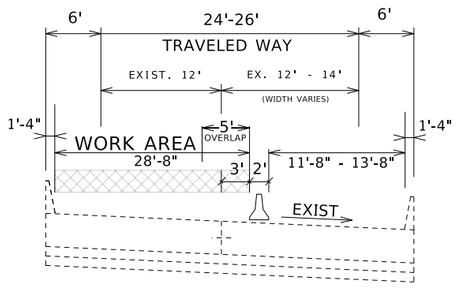
ROUTE I-270
STATE MO
DISTRICT SL
SHEET NO. 2
COUNTY ST. LOUIS
JOB NO. JSL0053
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

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

TYPICAL SECTIONS
TRAFFIC CONTROL STAGING

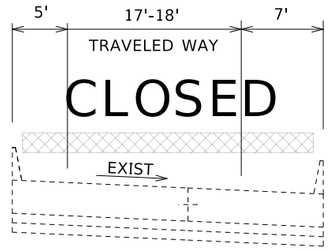
BRIDGE A1235



EXIT RAMP FROM EB I-270
TO I-55 OR RT 61/67

STAGE 1

BRIDGE A5082

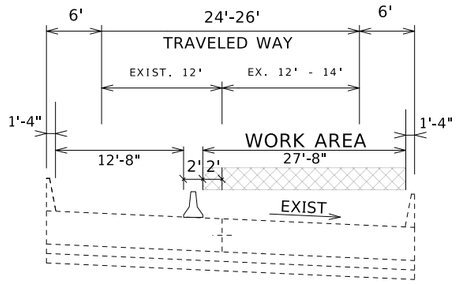


EXIT RAMP FROM EB I-270
TO RT 61/67 (LEMAY FERRY)

1 NOTE: BARRIER TO BARRIER BRIDGE WIDTH BASED ON BRIDGE PLANS IS 37'-5.5" FOR BRIDGE A1235

1 NOTE: BARRIER TO BARRIER BRIDGE WIDTH BASED ON BRIDGE PLANS IS 28'-10" FOR BRIDGE A5082

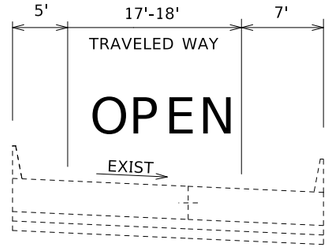
BRIDGE A1235



EXIT RAMP FROM EB I-270
TO I-55 OR RT 61/67

STAGE 2

BRIDGE A5082



STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
11/06/2026 3:27:59 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
11/6/2026

ROUTE	STATE
I-270	MO
DISTRICT	SHEET NO.
SL	2

COUNTY
ST. LOUIS

JOB NO.
JSL0053

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

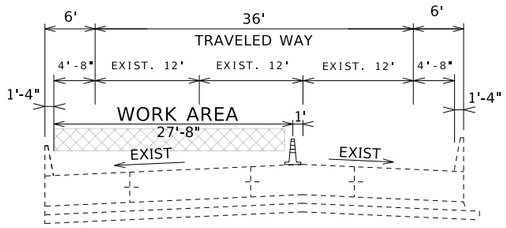
DESCRIPTION	DATE

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

TYPICAL SECTIONS TRAFFIC CONTROL STAGING

BRIDGE A4877

STAGE 1
NIGHT WORK



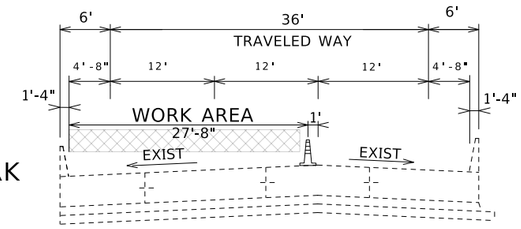
=TRIMLINE

WB RAMP FROM I-55 NB
TO I-270 WB

1 NOTE: BARRIER TO BARRIER BRIDGE WIDTH BASED ON BRIDGE PLANS IS 50'-10" FOR BRIDGE A4877

BRIDGE A4876

STAGE 1
NIGHT WORK



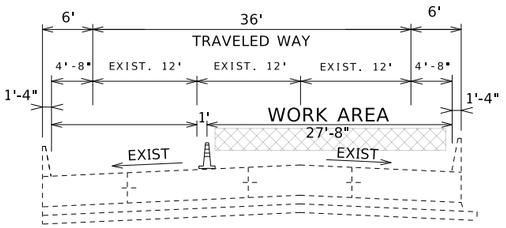
=TRIMLINE

EB RAMP FROM EB I-270
TO I-55 SB

1 NOTE: BARRIER TO BARRIER BRIDGE WIDTH BASED ON BRIDGE PLANS IS 50'-10" FOR BRIDGE A4876

BRIDGE A4877

STAGE 2
NIGHT WORK

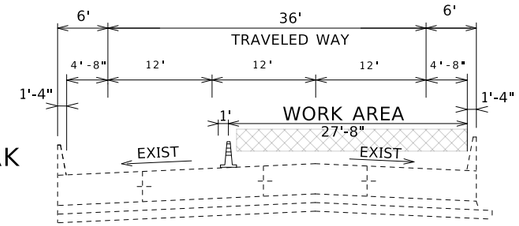


=TRIMLINE

WB RAMP FROM I-55 NB
TO I-270 WB

BRIDGE A4876

STAGE 2
NIGHT WORK



=TRIMLINE

EB RAMP FROM EB I-270
TO I-55 SB

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
11/06/2026 3:28:05 PM
STUART ROBINSON MCNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
11/6/2026

ROUTE	STATE
I-270	MO
DISTRICT	SHEET NO.
SL	2

COUNTY
ST. LOUIS

JOB NO.
JSL0053

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

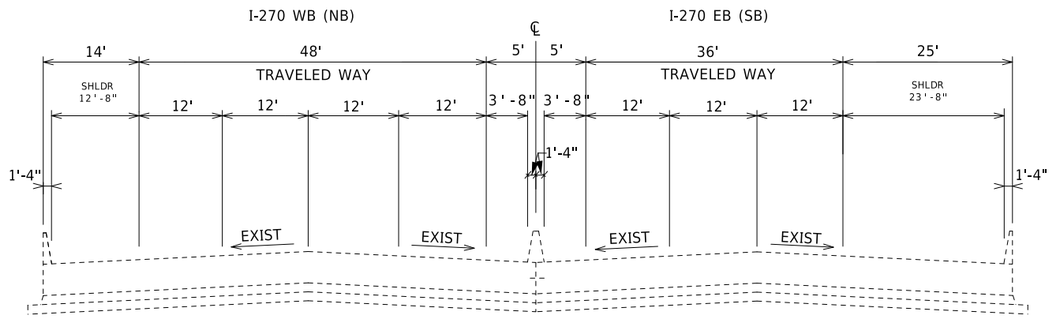
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TYPICAL SECTIONS
TRAFFIC CONTROL STAGING

1

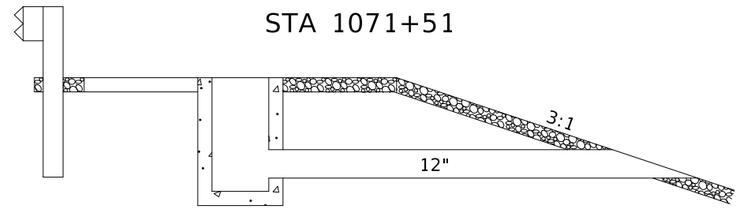
BRIDGE A1033



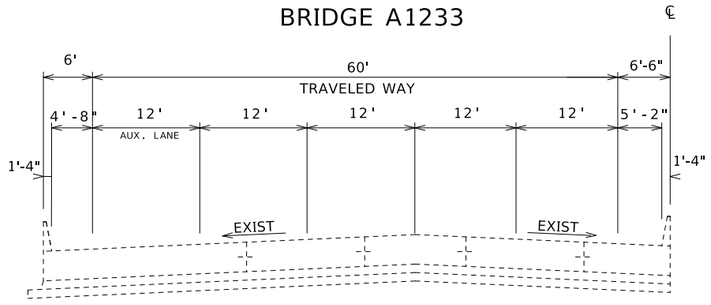
I-270 OVER VON TALGE AND RR

NOTE: BARRIER TO BARRIER BRIDGE WIDTH BASED ON BRIDGE PLANS IS 65' FOR I-270 WB AND 65' FOR I-270 EB

BRIDGE A1235
DRAIN BASIN DETAIL
STA 1071+51



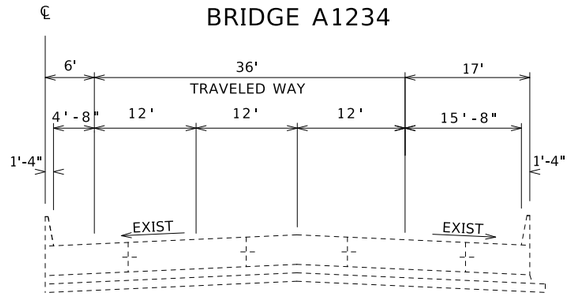
BRIDGE A1233



WB I-270 OVER I-55

NOTE: BARRIER TO BARRIER BRIDGE WIDTH BASED ON BRIDGE PLANS IS 69'-11" FOR BRIDGE A1233

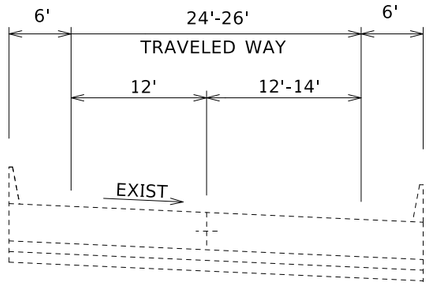
BRIDGE A1234



EB I-270 OVER I-55

NOTE: BARRIER TO BARRIER BRIDGE WIDTH BASED ON BRIDGE PLANS IS 56'-6.5" FOR BRIDGE A1234

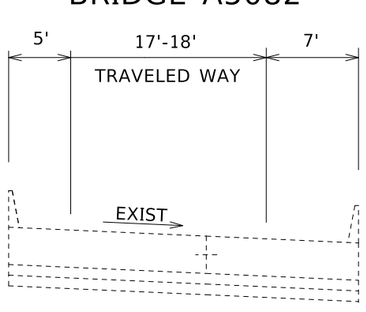
BRIDGE A1235



EXIT RAMP FROM EB I-270 TO I-55 OR RT 61/67

NOTE: BARRIER TO BARRIER BRIDGE WIDTH BASED ON BRIDGE PLANS IS 37'-5.5" FOR BRIDGE A1235

BRIDGE A5082



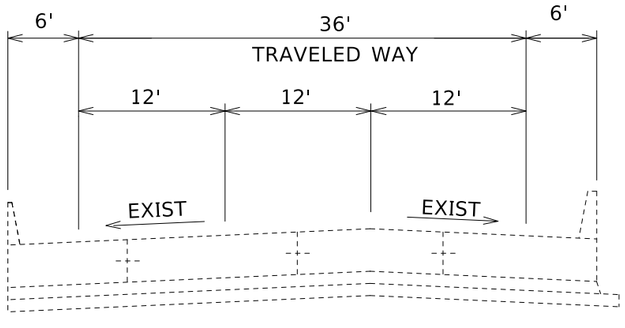
EXIT RAMP FROM EB I-270 TO RT 61/67 (LEMAY FERRY)

NOTE: BARRIER TO BARRIER BRIDGE WIDTH BASED ON BRIDGE PLANS IS 28'-10" FOR BRIDGE A5082

NOT TO SCALE

NOTE: BARRIER TO BARRIER BRIDGE WIDTH BASED ON BRIDGE PLANS IS 50'-10" FOR BRIDGE A4877

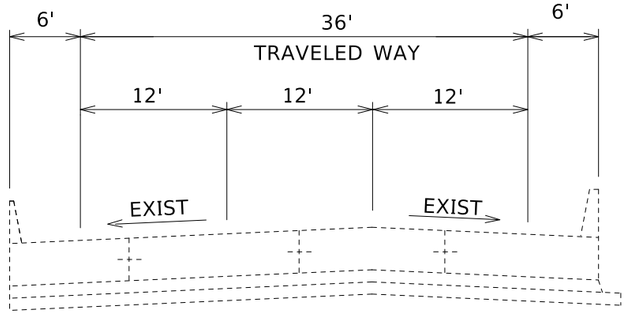
BRIDGE A4877



WB RAMP FROM I-55 NB TO I-270 WB

NOTE: BARRIER TO BARRIER BRIDGE WIDTH BASED ON BRIDGE PLANS IS 50'-10" FOR BRIDGE A4876

BRIDGE A4876



EB RAMP FROM EB I-270 TO I-55 SB

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
11/06/2026 3:28:15 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
11/6/2026

ROUTE	STATE
I-270	MO
DISTRICT	SHEET NO.
SL	2

COUNTY
ST. LOUIS

JOB NO.
JSL0053

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)

TYPICAL SECTIONS

REMOVAL OF IMPROVEMENTS

PLAN SHEET NO.	ROADWAY	BEGIN STA.	END STA.	LOCATION	LENGTH (FT)	EACH	AREA (SY)	DESCRIPTION
5	I-255	1054+33	1055+05	LT			50	EX. SLOPE PROTECTION A1033
14	I-255	1054+60	1054+95	LT	35			EX. CURB A1033
4	NB/SB I-255	1054+39	1058+59	LT/RT		1 REVISED	432 ~~1812.33~~	EX. APPROACH ~~SLABS /~~ PAVEMENT A1033
5	SB I-255	1058+35	1061+65	RT			220	EX. ASPHALT SHOULDER
10	NB I-255	1075+29	1076+00	LT	70			EX. GUARDRAIL
10	NB I-255	1067+72	1071+95	LT	450			EX. GUARDRAIL
10	SB I-255	1070+85	1071+86	RT	100			EX. GUARDRAIL
10	I-255 COLL.-DIST.	1070+44	1071+77	RT	135			EX. GUARDRAIL
10	I-255 COLL.-DIST.	1071+08	1071+81	RT	77			EX. GUARDRAIL
10	I-255 COLL.-DIST.	1074+87	1075+48	RT	63			EX. GUARDRAIL
10	I-255 COLL.-DIST.	1074+91	1075+40	RT	50			EX. GUARDRAIL
10	I-255 COLL.-DIST.	1071+43	1071+81	RT		1 REVISED	82 ~~170~~	EX. APPROACH ~~SLABS /~~ PAVEMENT A1235
10	I-255 COLL.-DIST.	1074+89	1075+33	RT			105 ~~192~~	EX. APPROACH ~~SLABS /~~ PAVEMENT A1235
12	I-255 COLL. DIST.	1071+51	-	RT		1		EX. DRAIN BASIN A1235
14	SB I-255 EXIT RAMP B	11+34	14+32				600	EX. 14" PAVEMENT A5082
14	SB I-255 EXIT RAMP B	11+34	14+32				600	4" OF EX. BASE A5082
14	I-55 RELOCATE RAMP X	26+25	29+70	RT			1400	EX. SLOPE PROTECTION A5082
-	NB I-55 RAMP	103+63	109+47	RT	590			EX. GUARDRAIL
-	NB I-255 RAMP	1058+30	1062+29	LT	395			EX. GUARDRAIL
-	SB I-255 COLL-DIST.	1057+64	1062+73	RT	525			EX. GUARDRAIL
-	SB I-255 COLL-DIST.	1061+76	1062+79	RT	105			EX. GUARDRAIL
-	SB I-255 COLL-DIST.	1066+90	1067+93	RT	105			EX. GUARDRAIL
-	SB I-255 COLL-DIST.	1066+95	1067+98	RT	105			EX. GUARDRAIL
-	NB I-255	1086+34	1087+38	LT	105			EX. GUARDRAIL
-	NB I-255	1094+36	1095+12	LT	75			EX. GUARDRAIL
-	SB I-255	1092+75	1094+20	RT	145			EX. GUARDRAIL
-	SB I-255	1094+35	1096+49	RT	212			EX. GUARDRAIL
TOTAL = 1 LS								

EARTHWORK

PLAN SHEET NO	ROADWAY	BEGIN STATION	END STATION	CLASS A EXCAVATION (CY)	REMARKS
14	I-255 EXIT RAMP B	11+34	14+32	67.0	4" DEPTH. PAVEMENT EAST OF A5082
SUB TOTALS				67.0	
PAY TOTALS				67	

LINEAR GRADING CLASS 2 MODIFIED

PLAN SHEET NO	ROADWAY	BEGIN STATION	END STATION	LINEAR GRADING CLASS 2 MODIFIED (STA)	REMARKS
5	I-255	1058+35	1061+65	3.3	RIGHT SHOULDER
SUB TOTALS				3.3	
PAY TOTALS				3.3	

TYPE 5 AGGREGATE FOR BASE (6 IN. THICK)

PLAN SHEET NO.	ROADWAY	BEGIN STA.	END STA.	AREA (SY)	REMARKS
14	I-255 EXIT RAMP B	11+34	14+32	600	PAVEMENT EAST OF A5082
SUB TOTALS				600	
PAY TOTALS				600	

TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)

PLAN SHEET NO.	ROADWAY	BEGIN STA.	END STA.	LOCATION	AREA (SY)	REMARKS
5	SB I-255	1058+35	1061+65	RT	220	RIGHT SHOULDER
SUB TOTALS					220	
PAY TOTALS					220	

SUMMARY OF QUANTITIES

SHEET 1 OF 6

1 REVISED

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
11/06/2026 3:31:36 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED: 11/6/2026

ROUTE	STATE
I-270	MO
DISTRICT	SHEET NO.
SL	3

COUNTY: ST. LOUIS

JOB NO.: JSL0053

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)

SUMMARY OF QUANTITIES

MISC. BRUSH CLEARING WITHIN 20 FT OF BRIDGE EDGES A4876 & A4877	
PAY TOTAL	1 LUMP SUM

CONCRETE PAVEMENT (10 IN. NON-REINFORCED 15 FT JOINTS)						
PLAN SHEET NO.	ROADWAY	BEGIN STA.	END STA.	LOCATION	AREA (SY)	REMARKS
5	SB I-255	1058+35	1061+65	RT	220	RIGHT SHOULDER (DOWELS & TIE BARS REQUIRED)
SUB TOTALS					220	
PAY TOTALS					220	

CONCRETE PAVEMENT (12 IN. NON-REINFORCED 15 FT JOINTS)						
PLAN SHEET NO.	ROADWAY	BEGIN STA.	END STA.	LOCATION	AREA (SY)	REMARKS
14	I-255 EXIT RAMP B	11+34	14+32	RT	600	PAVEMENT EAST OF A5082
SUB TOTALS					600	
PAY TOTALS					600	

CONCRETE APPROACH PAVEMENT						
PLAN SHEET NO.	ROADWAY	BEGIN STA.	END STA.	LOCATION	AREA (SY)	REMARKS
5	I-255	1054+30	1058+80	1 REVISED	710 ~~869~~	A1033, EXCLUDES APPR SLAB AREA
11	SB I-255 COLL.-DIST.	1071+43	1071+61	RT	82	A1235, EXCLUDES APPR SLAB AREA
11	SB I-255 COLL.-DIST.	1075+09	1075+33	RT	105	A1235, EXCLUDES APPR SLAB AREA
SUB TOTALS				1 REVISED	897 ~~1056~~	
PAY TOTALS					897 ~~1056~~	

CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S						
PLAN SHEET NO.	ROADWAY	BEGIN STA.	END STA.	LOCATION	LENGTH (LF)	REMARKS
14	I-255	1054+60	1054+95	LT	35	A1033, AT NORTH APPROACH
SUB TOTALS					35	
PAY TOTALS					35	

SUMMARY OF QUANTITIES

1 REVISED

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
11/06/2026 3:31:46 PM
STUART ROBINSON McNEIL CIVIL
MO-PE-2006019687

DATE PREPARED
11/6/2026

ROUTE I-270 | STATE MO
DISTRICT SL | SHEET NO. 3
COUNTY ST. LOUIS
JOB NO. JSL0053
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)

SUMMARY OF QUANTITIES

FLOWABLE BACKFILL

PLAN SHEET NO	ROADWAY	BEGIN STATION	END STATION	FLOWABLE BACKFILL (CY)	REMARKS
~~8~~	I-255	~~1054+00~~	~~1055+00~~	10.0	~~A4876, WEST APPROACH SLAB~~
6		1055+02.02	1057+98.52		A1033, PILES AT BENTS NO. 1 & 5
1 REVISED	SUB TOTALS			10.0	
	PAY TOTALS			10.0	

CONCRETE SLOPE PROTECTION

PLAN SHEET NO.	ROADWAY	BEGIN STA.	END STA.	LOCATION	AREA (SY)	REMARKS
5	I-255	1054+33	1055+05	LT	50	A1033, AT NORTH APPROACH
SUB TOTALS					50	
PAY TOTALS					50	

DRAIN BASIN

PLAN SHEET NO.	ROADWAY	BEGIN STA.	END STA.	LOCATION
12	SB I-255 COLL.-DIST.	1071+51	-	A1235
PAY TOTALS				1 EA

PCCP JOINT / CRACK SEALING

PLAN SHEET NO.	ROADWAY	BEGIN STA.	END STA.	LOCATION
12	SB I-255 COLL.-DIST.	1071+67	1072+33	A1235 SLOPE PROTECTION, DETERMINED BY ENGINEER
12	SB I-255 COLL.-DIST.	1074+45	1074+94	A1235 SLOPE PROTECTION, DETERMINED BY ENGINEER
PAY TOTALS				580 LF

FURNISHING TYPE 2 ROCK BLANKET

PLAN SHEET NO.	ROADWAY	BEGIN STATION	END STATION	AREA (SY)	DEPTH (FT)	VOLUME (CY)	REMARKS
14	I-55 RELOCATE RAMP X	26+25	29+70	1400	2	933.33	SLOPE PROTECTION A5082
SUBTOTALS						933.33	
PAY TOTALS						933	

PLACING TYPE 2 ROCK BLANKET

PLAN SHEET NO.	ROADWAY	BEGIN STATION	END STATION	AREA (SY)	DEPTH (FT)	VOLUME (CY)	REMARKS
14	I-55 RELOCATE RAMP X	26+25	29+70	1400	2	933.33	SLOPE PROTECTION A5082
SUBTOTALS						933.33	
PAY TOTALS						933	

SLAB JACKING MATERIAL CEMENTITIOUS GROUT

PLAN SHEET NO.	ROADWAY	BEGIN STATION	END STATION	CEMENTITIOUS GROUT (TONS)*	REMARKS
14	I-255 EXIT RAMP B	5+58	11+34	19	APPROACH SLABS A5082, 1" DEPTH
SUBTOTALS				19	
PAY TOTALS				19	

PERMANENT EROSION CONTROL GEOTEXTILE

PLAN SHEET NO	ROADWAY	BEGIN STATION	END STATION	PERMANENT EROSION CONTROL GEOTEXTILE	REMARKS
				S.Y	
14	I-55 RELOCATE RAMP X	26+25	29+70	1400	
SUB TOTALS				1400	
PAY TOTALS				1400	

MOBILIZATION (LS)	
PAY TOTAL	1 LUMP SUM

RAILROAD PLAN SUBMITTAL (LS)	
PAY TOTAL	1 LUMP SUM

CONTRACTOR FURNISHED SURVEYING AND STAKING (LS)	
PAY TOTAL	1 LUMP SUM

1 ADDED

TEMPORARY SHORING (A10333) (LS)	
PAY TOTAL	1 LUMP SUM

TEMPORARY SHORING (A12352) (LS)	
PAY TOTAL	1 LUMP SUM

SUMMARY OF QUANTITIES
SHEET 3 OF 6

1 REVISED

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
11/06/2026 3:31:55 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED: 11/6/2026
ROUTE: I-270 | STATE: MO
DISTRICT: SL | SHEET NO.: 3
COUNTY: ST. LOUIS
JOB NO.: JSL0053
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)

SUMMARY OF QUANTITIES

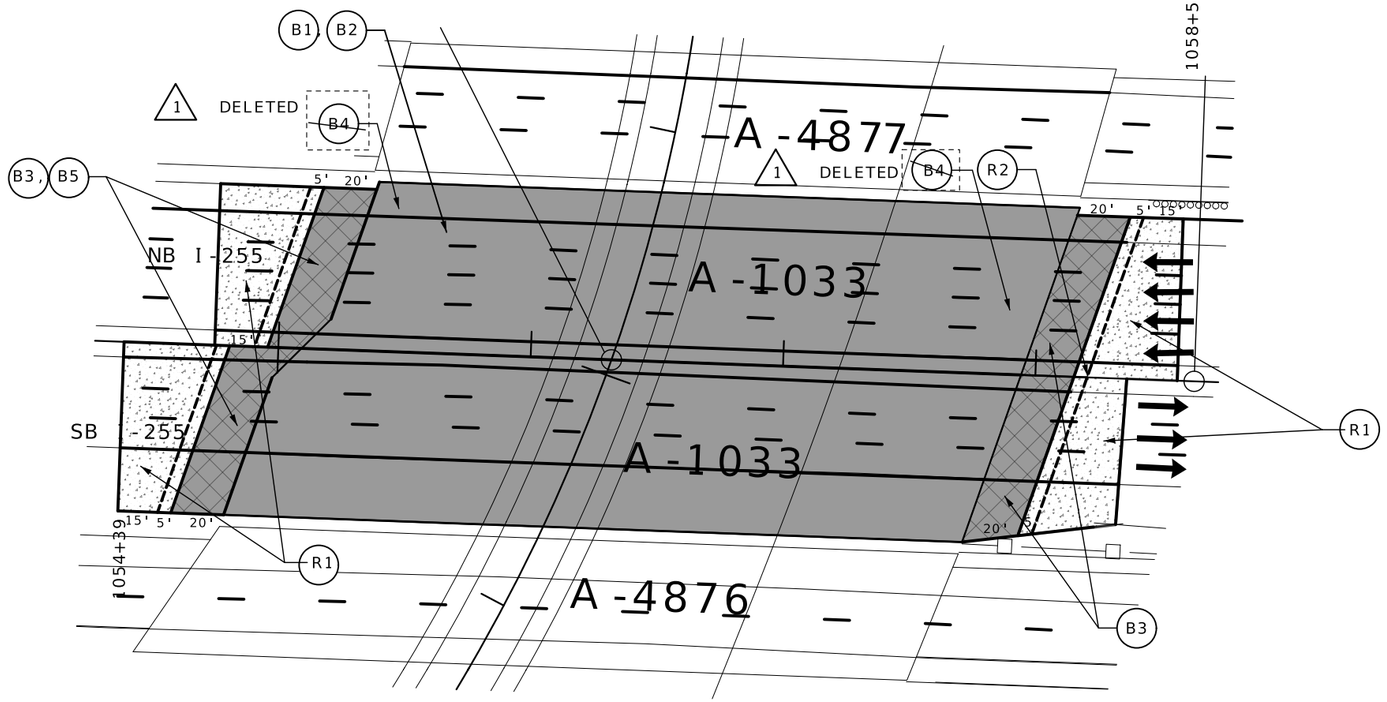
BRIDGE ITEMS (A1033): BRIDGE PLAN QUANTITIES SUPERCEDE THIS LISTING

B1. REMOVAL OF EXISTING DECK REPAIR 1750 SQ.FT (1) REVISED
B2. REMOVAL OF CONCRETE WEARING SURFACE (37,425 SF)
B3. REMOVE BRIDGE APPROACH SLAB ~~6,420 SF~~ 8,919 SF (1) DELETED
~~B4. REMOVE APPROACH NOTCHES AT END BENTS NO. 1 & 5~~
B5. REMOVE AND REPLACE APPROACH CORBEL 223 FT (SEE BRIDGE PLAN CORBEL LIMITS)

(1) REVISED

ROADWAY ITEMS (A1033):

R1. REMOVE EXISTING APPROACH PAVEMENT AT BRIDGE ENDS, ~~720 SY~~ 432 SY (1) REVISED
R2. REMOVE TYPE C BARRIER AT BRIDGE ENDS 71 FT,



SCALE
0 30 60 90

LEGEND
- LATEX MODIFIED CONCRETE WEARING SURFACE
- NEW APPROACH PAVEMENT
- NEW APPROACH SLAB

BRIDGE A1033
I-270 OVER VON TALGE RD
SURFACE WORK
SHEET 1 OF 3

(1) REVISED

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
11/06/2026 3:32:09 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED: 11/6/2026
ROUTE: I-255 | STATE: MO
DISTRICT: SL | SHEET NO.: 4
COUNTY: ST.LOUIS
JOB NO.: JSL0053
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.: A10333

DESCRIPTION | DATE

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

PLAN SHEET
SHEET 1 OF 15

BRIDGE ITEMS (A1033): BRIDGE PLAN QUANTITIES SUPERCEDE THIS LISTING

B1. FULL DEPTH REPAIR 50 SQ.FT
B2. DIAMOND GRINDING (4,158 SY)
B3. LATEX MODIFIED CONCRETE WEARING SURFACE (4,158 SY.)
B4. 76 CU.YD OF SUPPLEMENTARY WEARING SURFACE MATERIAL.
B5. 58 FT OF TYPE A BARRIER FOR NEW APPROACH SLABS, TYPE B BARRIER 10 FT.
B6. TOTAL SURFACE HYDRO DEMOLITION (4,158 SY)
B7. INSTALL VERTICAL DRAINS AT END BENTS NO.1 & 5 INCLUDING WINGS(2 EA.)
B8. INSTALL BRIDGE APPROACH SLABS 713 SY.
B9. REINFORCING STEEL (EPOXY COATED)1,700 LB
B10. CLASS 1 EXCEVATION (225 CY)
B11. INSTALL VERTICAL DRAINS AT END BENTS NO.1 & 5 INCLUDING WINGS
B12. REPLACE APPROACH ~~NOTCHES~~ CORBELS AT END BENTS NO. 1 & 5

1 REVISED

ROADWAY ITEMS (A1033):

1 REVISED

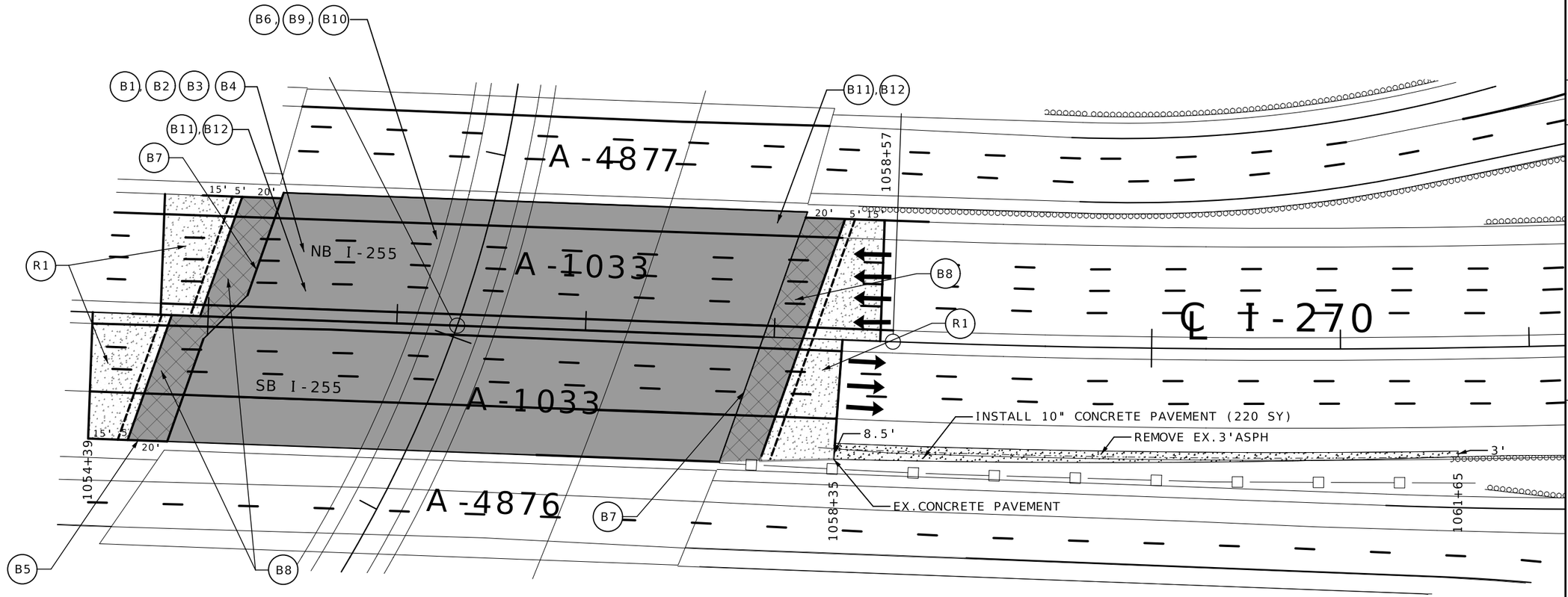
R1. INSTALL CONCRETE APPROACH PAVEMENT ~~869 SY.~~ 710 SY TO THE BRIDGE ENDS TO MATCH TOP OF APPROACH SLAB.
R2. PROVIDE TEMPORARY TRAFFIC BARRIER TO PRODECT OPEN HOLE IN BRIDGE DECK DURING STAGED CONSTRUCTION.
R3. UTILITIES DURING CONSTRUCTION

LEGEND

- LATEX MODIFIED CONCRETE WEARING SURFACE
- NEW APPROACH PAVEMENT
- NEW APPROACH SLAB

SCALE

0 30 60 90



BRIDGE A1033
I-270 OVER VON TALGE RD
SURFACE WORK
SHEET 2 OF 3

1 REVISED

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
11/06/2026 3:32:19 PM
STUART ROBINSON MCNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED 11/6/2026
ROUTE I-255 | STATE MO
DISTRICT SL | SHEET NO. 5
COUNTY ST.LOUIS
JOB NO. JSL0053
CONTRACT ID.
PROJECT NO.
BRIDGE NO. A10333

DESCRIPTION | DATE

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

PLAN SHEET
SHEET 2 OF 15

BRIDGE ITEMS (A1033): BRIDGE PLAN QUANTITIES SUPERCEDE THIS LISTING

B1. REHABILITATE APPROACH ~~NOTCHES~~ (CORBELS) AT END BENTS NO.1 & 5 ~~(LUMP SUM)~~ (LF) 1 REVISED
B2. PERFORM 5 SQ.FT OF CLEAN AND EPOXY COAT ON THE UNDERSIDE OF THE DECK.
B3. ESTIMATE 18 SQ.FT OF SUBSTRUCTURE REPAIR (UNFORMED), 4 SQ.FT AT END BENT NO.1, 7 SQ.FT AT INT BENT. NO.2 AND 7 SQ.FT AT INT.BENT NO.4
B4. APPLY PROTECTIVE COATING-CONCRETE BENTS AND PIERS(EPOXY) TO ALL COLUMNS, FULL LENGTH AND FULL LENGTH OF BEAM CAPS AT ALL INT.BENTS.(LUMP SUM)

~~B5. EXTEND BEAM CAP DOWN 2' AROUND EXPOSED PILES AS APPLLICABLE AT END BENTS NO.1 & 5. CLASS B CONCRETE (SUBSTRUCTURE) 11.3 CY.~~
~~B6. SUBMIT ASBESTOS AND LEAD INSPECTION TO DESIGN DIVISION FOR THE LETTING.~~

1 DELETED

ROADWAY ITEMS (A1033):

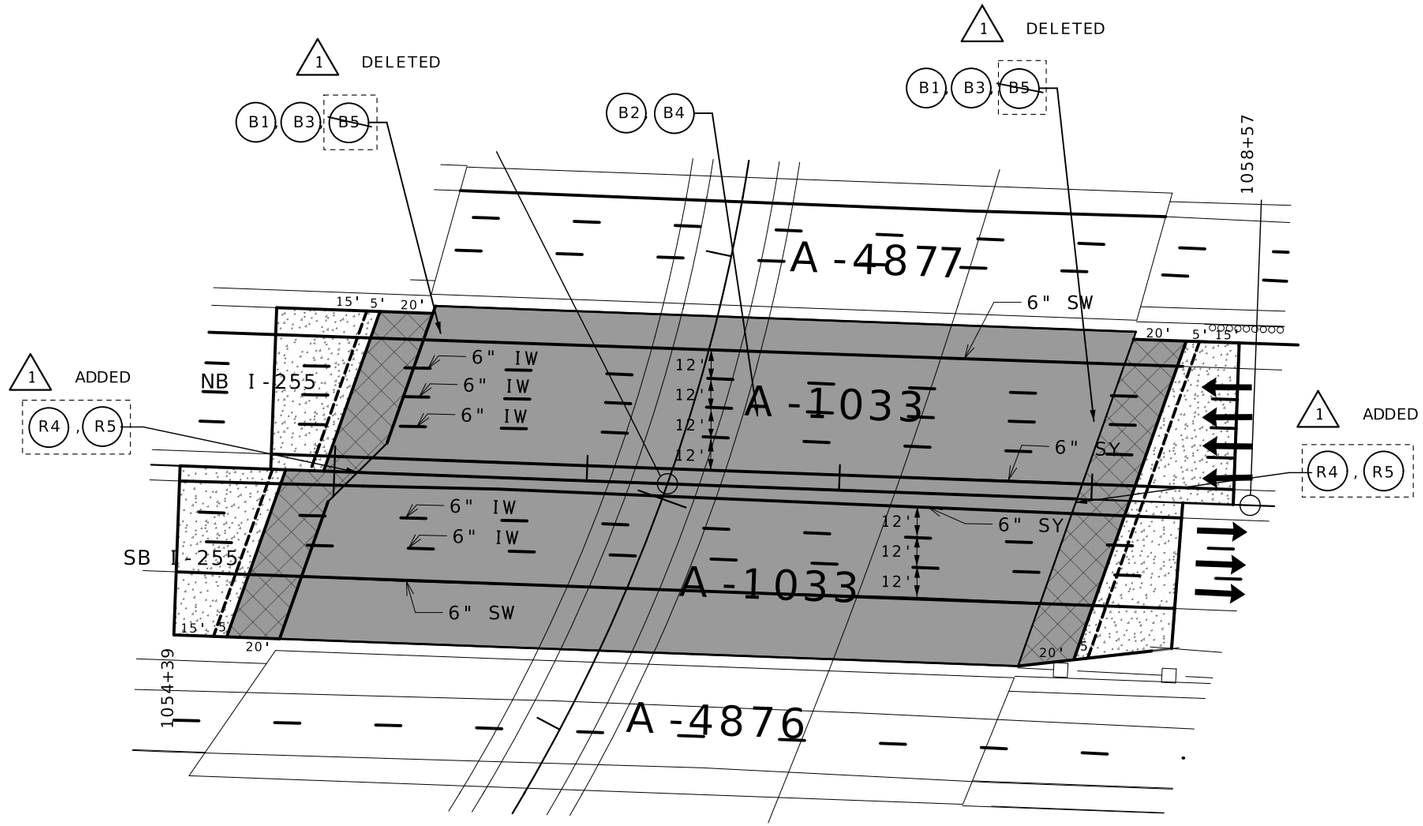
QUANTITY PAVEMENT MARKING		
	6" SW:	785 FT
	6" IW:	490 FT
	6" SY:	790 FT

1 ADDED

R4. PLACE 10 CY OF FLOWABLE BACKFILL AT EXPOSED AREAS AT BENTS NO. 1 & NO. 5
R5. UTILIZE TEMPORARY SHORING DURING STAGED CONSTRUCTION (LUMP SSUM)

1 DELETED

1 DELETED



SCALE
0 30 60 90

NOTE: ALL PAVEMENT MARKINGS ON CONCRETE AND LATEX WILL BE IN CONTRAST

LEGEND

6" SW: 6" SOLID WHITE LINE (CLASS 2 PAINT,25-MIL, TYPE L BEADS)

6" IW: 6" SOLID WHITE LINE (CLASS 2 PAINT,25-MIL, TYPE L BEADS) 10' STRIPE & 30' GAP

6" SY: 6" SOLID YELLOW LINE (CLASS 2 PAINT,25-MIL, TYPE L BEADS)

BRIDGE 1033
I-270 OVER VON TALGE RD
SUBSTRUCTURE & PAVEMENT MARKINGS
SHEET 3 OF 3

1 REVISED

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
11/06/2026 3:32:41 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED: 11/6/2026
ROUTE: I-255 | STATE: MO
DISTRICT: SL | SHEET NO.: 6
COUNTY: ST.LOUIS
JOB NO.: JSL0053
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.: A10333

DESCRIPTION | DATE

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

PLAN SHEET
SHEET 3 OF 15

BRIDGE ITEMS (A4876): BRIDGE PLAN QUANTITIES SUPERCEDE THIS LISTING

B1. REMOVAL OF EXISTING EXPANSION JOINT SEAL OR SEALANT 114 FT.

BRIDGE ITEMS (A4877): BRIDGE PLAN QUANTITIES SUPERCEDE THIS LISTING

B1. REMOVAL OF EXISTING EXPANSION JOINT SEAL OR SEALANT 114 FT.

ROADWAY ITEMS (A4876):

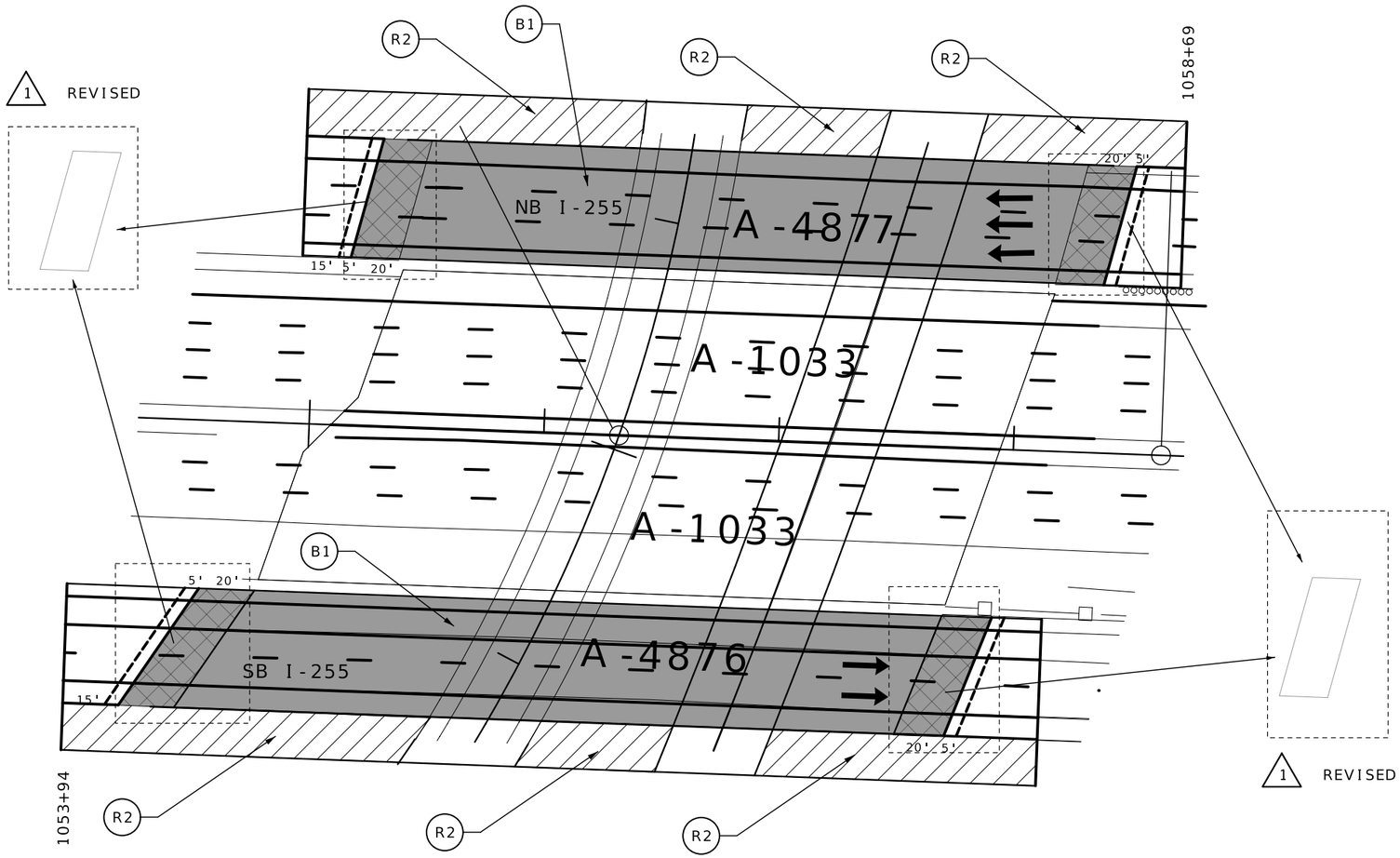
R2. REMOVE BRUSH AND TREES 20' FROM OUTSIDE EDGE OF BRIDGE (0.147 AC)

ROADWAY ITEMS (A4877):

R2. REMOVE BRUSH AND TREES 20' FROM OUTSIDE EDGE OF BRIDGE (0.133 AC)

SCALE

0 30 60 90



LEGEND

LATEX MODIFIED CONCRETE WEARING SURFACE

~~NEW APPROACH SLAB~~ 1 REVISED

BRUSH AND TREES

BRIDGES A4876 & A4877
I-270 OVER VON TALGE RD
SURFACE WORK
SHEET 1 OF 3

1 REVISED

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER

11/06/2026 3:32:53 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
11/6/2026

ROUTE	STATE
I-255	MO
DISTRICT	SHEET NO.
SL	7

COUNTY
ST.LOUIS

JOB NO.
JSL0053

CONTRACT ID.

PROJECT NO.

BRIDGE NO.
A4876,A4877

DESCRIPTION	DATE

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

PLAN SHEET
SHEET 4 OF 15

BRIDGE ITEMS (A4876): BRIDGE PLAN QUANTITIES SUPERCEDE THIS LISTING

B1. EPOXY URETHANE POLYMER WEARING SURFACE 1,794 SY.
B2. 350 SQ FT OF HALF-SOLE REPAIR.
~~B3. 200 SQ.FT DECK REPAIRS.~~ 1 DELETED
~~B4. 150 SQ.FT BRIDGE APPROACH REPAIRS~~ 1 DELETED
B5. INSTALL 1/4" MINIMUM EPOXY URETHANE POLYMER WEARING SURFACE WITH HEALER SEALER ALONG DECK AND 16" UP INSIDE FACE OF EACH BARRIER
B6. 284 SQ.YD OF CONCRETE CRACK FILLER AT BRIDGE APPROACH SLABS.
B7. 8 LINEAR FT OF SAFETY BERRIER CURB REPAIRS(FORMED)
B8. INSTALL 114 FT OPEN CELL FOAM JOINT SEALS AT APPROACH SLAB/APPROACH ROADWAY JOINTS.

BRIDGE ITEMS (A4877): BRIDGE PLAN QUANTITIES SUPERCEDE THIS LISTING

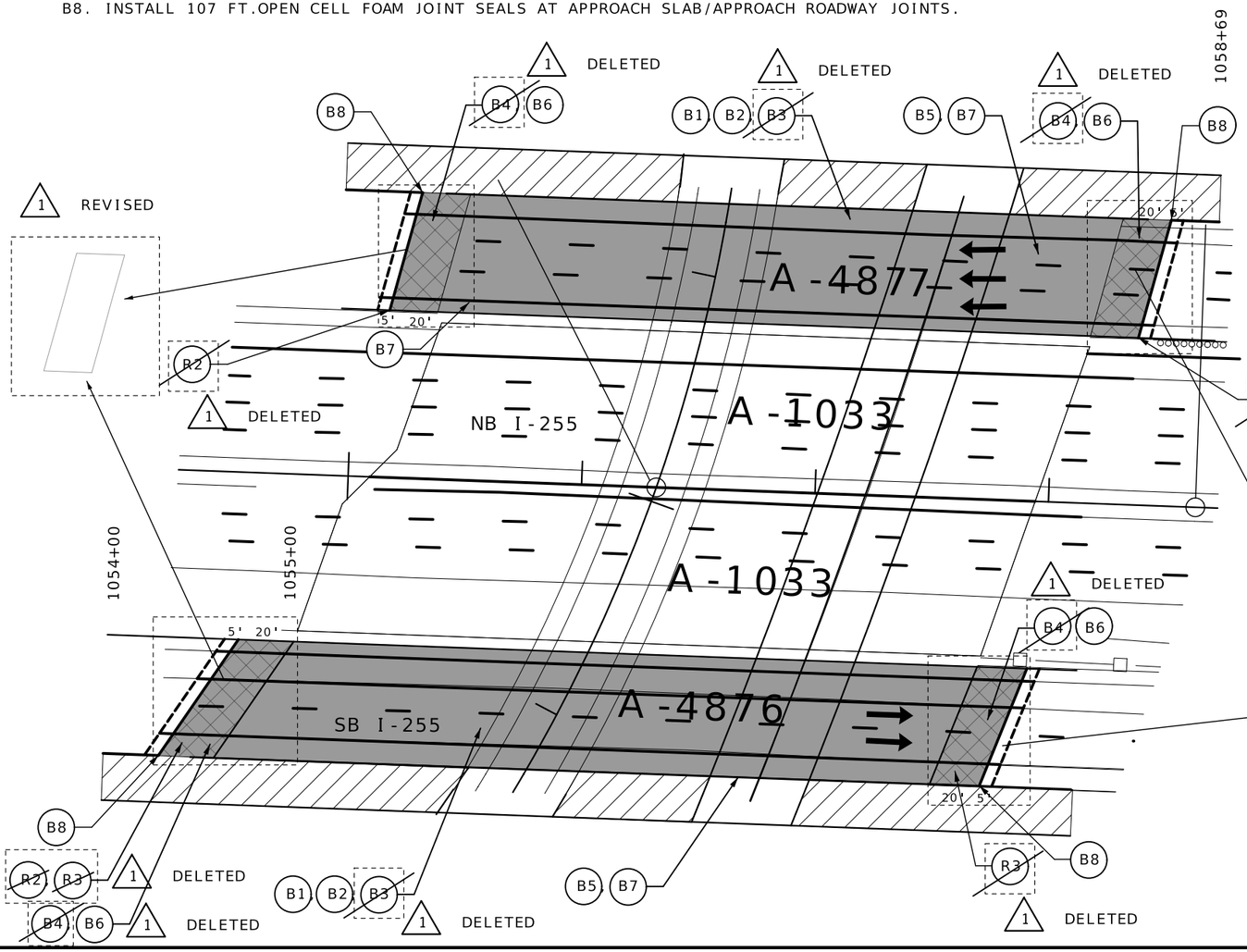
B1. EPOXY URETHANE POLYMER WEARING SURFACE 1,673 SY.
B2. 500 SQ FT OF HALF-SOLE REPAIR.
~~B3. 300 SQ.FT DECK REPAIRS.~~ 1 DELETED
~~B4. 200 SQ.FT BRIDGE APPROACH REPAIRS~~ 1 DELETED
B5. INSTALL 1/4" MINIMUM EPOXY URETHANE POLYMER WEARING SURFACE WITH HEALER SEALER ALONG DECK AND 16" UP INSIDE FACE OF EACH BARRIER
B6. 286 SQ.YD OF CONCRETE CRACK FILLER AT BRIDGE APPROACH SLABS.
B7. INSTALL 105 FT.SILICONE EXPANSION JOINT SEALANT AT DECK JOINTS
B8. INSTALL 107 FT.OPEN CELL FOAM JOINT SEALS AT APPROACH SLAB/APPROACH ROADWAY JOINTS.

ROADWAY ITEMS (A4876):

~~R2. 10 CUBIC YARDS OF FLOWABLE BACKFILL TO FILL VOIDS UNDER WEST APPROACH SLAB.~~ 1 DELETED
~~R3. LIFT APPROACH SLABS TO BRING TO GRADE.~~ 1 DELETED
R4. RELOCATE UTILITIES DURING CONSTRUCTION.

ROADWAY ITEMS (A4877):

~~R2. LIFT APPROACH SLABS TO BRING TO GRADE.~~ 1 DELETED
R3. RELOCATE UTILITIES DURING CONSTRUCTION.



SCALE
0 30 60 90

LEGEND
- LATEX MODIFIED CONCRETE WEARING SURFACE
- ~~NEW APPROACH SLAB~~ 1 REVISED
- BRUSH AND TREES

BRIDGES A4876 & A4877
I-270 OVER VON TALGE RD
SURFACE WORK
SHEET 2 OF 3

1 REVISED

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
11/06/2026 3:33:04 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED: 11/6/2026
ROUTE: I-255 | STATE: MO
DISTRICT: SL | SHEET NO.: 8
COUNTY: ST.LOUIS
JOB NO.: JSL0053
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.: A4876,A4877

DESCRIPTION | DATE

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

PLAN SHEET
SHEET 5 OF 15

BRIDGE ITEMS (A4876): BRIDGE PLAN QUANTITIES SUPERCEDE THIS LISTING

B2. APPLY PROTECTIVE COATING-CONCRETE BENTS AND PIERS(EPOXY) TO ALL COLUMNS, FULL LENGTH AND FULL LENGTH OF BEAM CAPS AT ALL INT. BENTS.(LUMP SUM)

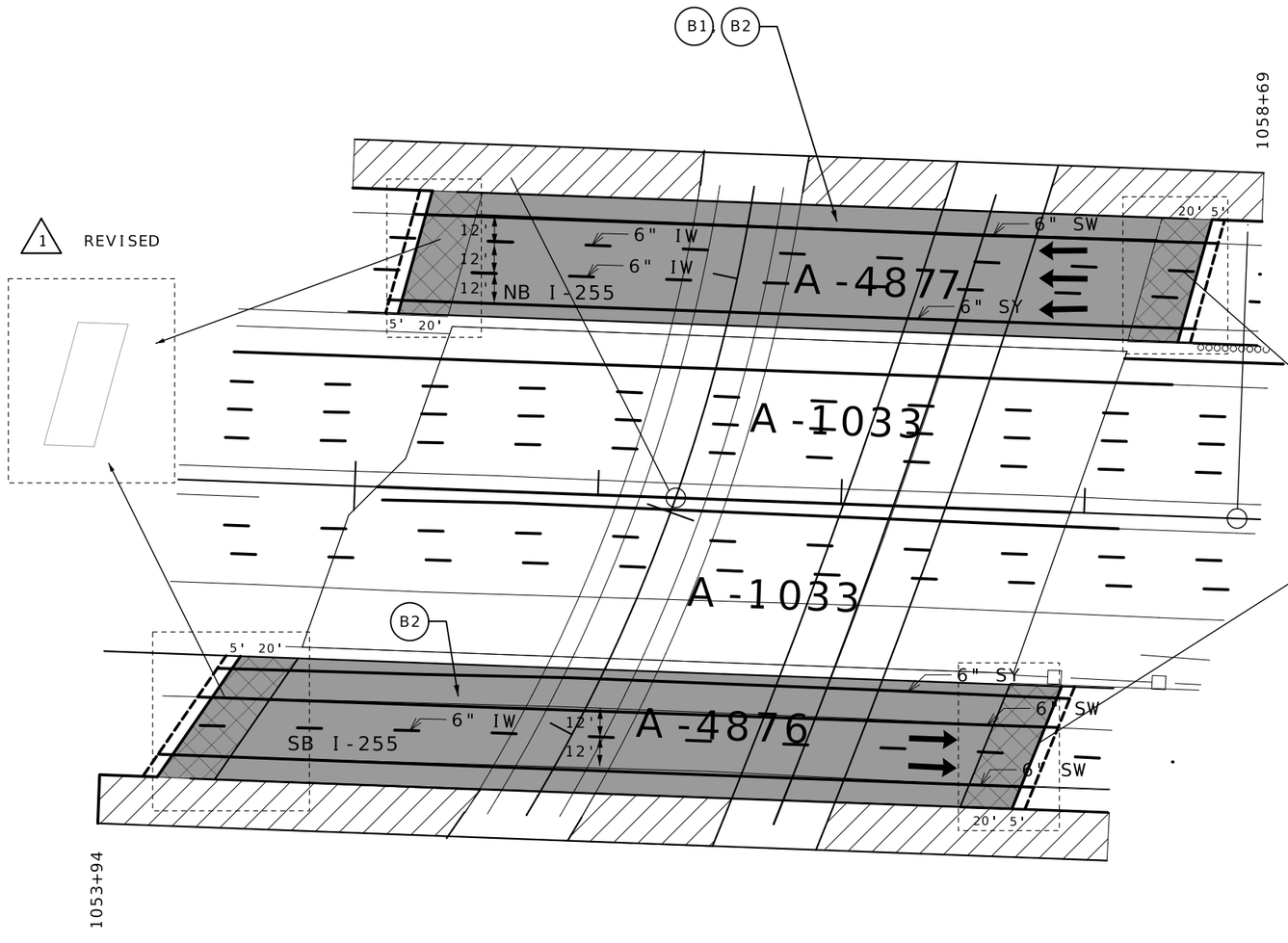
BRIDGE ITEMS (A4877): BRIDGE PLAN QUANTITIES SUPERCEDE THIS LISTING

B1. 15 SQ.FT OF SUBSTRUCTURE REPAIR(UNFORMED) AT INT. BENT NO.3.
B2. APPLY PROTECTIVE COATING-CONCRETE BENTS AND PIERS(EPOXY) TO ALL COLUMNS, FULL LENGTH AND FULL LENGTH OF BEAM CAPS AT ALL INT. BENTS.(LUMP SUM)

ROADWAY ITEMS (A4876):

ROADWAY ITEMS (A4877):

QUANTITY PAVEMENT MARKING	
6" SW:	1100 FT
6" IW:	270 FT
6" SY:	700 FT



SCALE

0 30 60 90

NOTE: ALL PAVEMENT MARKINGS ON CONCRETE AND LATEX WILL BE IN CONTRAST

LEGEND	
6" SW:	6" SOLID WHITE LINE (CLASS 2 PAINT,25-MIL, TYPE L BEADS)
6" IW:	6" SOLID WHITE LINE (CLASS 2 PAINT,25-MIL, TYPE L BEADS) 10' STRIPE & 30' GAP
6" SY:	6" SOLID YELLOW LINE (CLASS 2 PAINT,25-MIL, TYPE L BEADS)

BRIDGES A4876 & A4877
I-270 OVER VON TALGE RD
SUBSTRUCTURE & PAVEMENT MARKINGS
SHEET 3 OF 3

1 REVISED

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
11/06/2026 3:33:13 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED: 11/6/2026
ROUTE: I-255 | STATE: MO
DISTRICT: SL | SHEET NO.: 9
COUNTY: ST.LOUIS
JOB NO.: JSL0053
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.: A4876,A4877

DESCRIPTION | DATE

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

PLAN SHEET
SHEET 6 OF 15

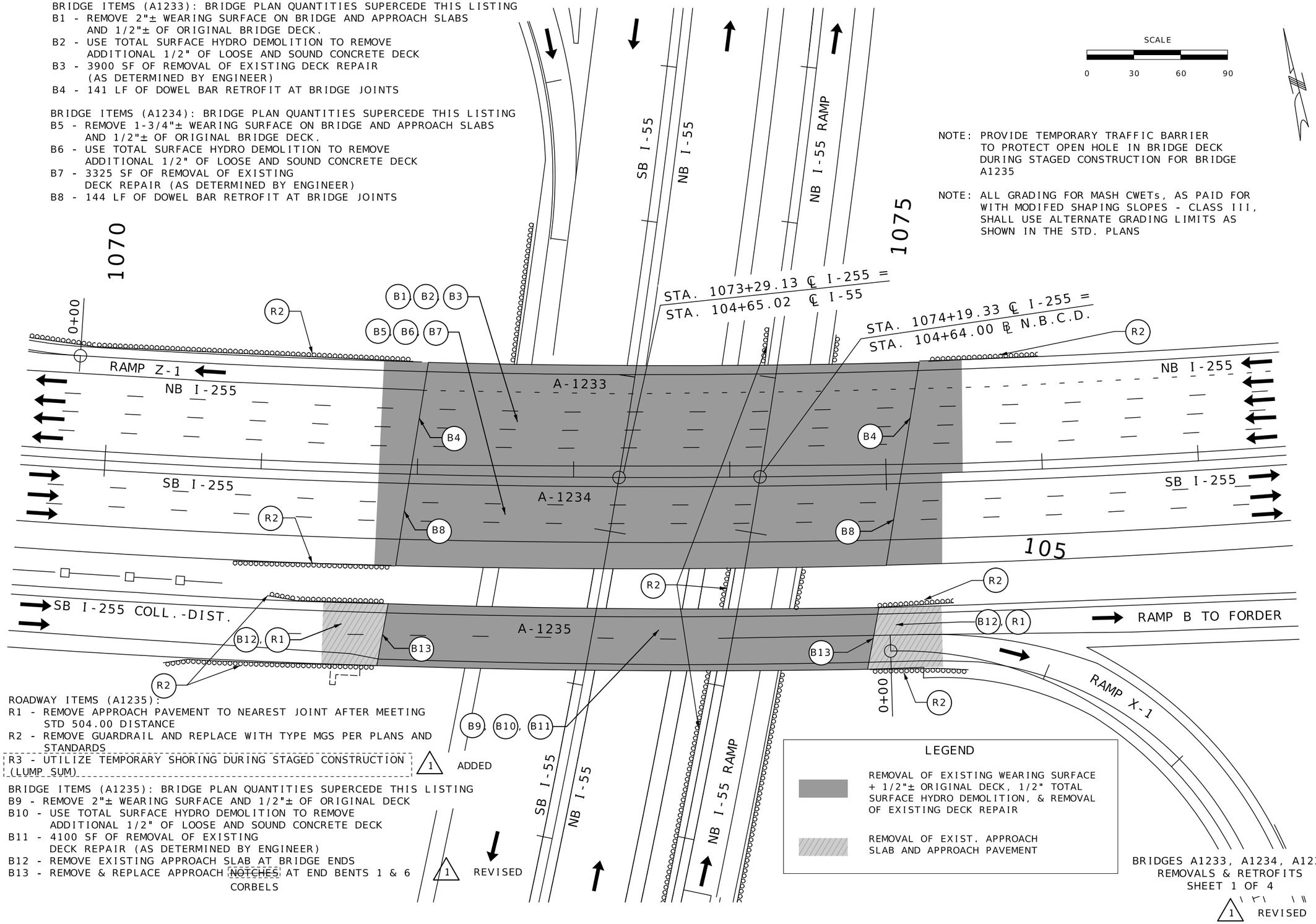
BRIDGE ITEMS (A1233): BRIDGE PLAN QUANTITIES SUPERCEDE THIS LISTING
B1 - REMOVE 2"± WEARING SURFACE ON BRIDGE AND APPROACH SLABS AND 1/2"± OF ORIGINAL BRIDGE DECK.
B2 - USE TOTAL SURFACE HYDRO DEMOLITION TO REMOVE ADDITIONAL 1/2" OF LOOSE AND SOUND CONCRETE DECK
B3 - 3900 SF OF REMOVAL OF EXISTING DECK REPAIR (AS DETERMINED BY ENGINEER)
B4 - 141 LF OF DOWEL BAR RETROFIT AT BRIDGE JOINTS

BRIDGE ITEMS (A1234): BRIDGE PLAN QUANTITIES SUPERCEDE THIS LISTING
B5 - REMOVE 1-3/4"± WEARING SURFACE ON BRIDGE AND APPROACH SLABS AND 1/2"± OF ORIGINAL BRIDGE DECK.
B6 - USE TOTAL SURFACE HYDRO DEMOLITION TO REMOVE ADDITIONAL 1/2" OF LOOSE AND SOUND CONCRETE DECK
B7 - 3325 SF OF REMOVAL OF EXISTING DECK REPAIR (AS DETERMINED BY ENGINEER)
B8 - 144 LF OF DOWEL BAR RETROFIT AT BRIDGE JOINTS

SCALE
0 30 60 90

NOTE: PROVIDE TEMPORARY TRAFFIC BARRIER TO PROTECT OPEN HOLE IN BRIDGE DECK DURING STAGED CONSTRUCTION FOR BRIDGE A1235

NOTE: ALL GRADING FOR MASH CWETs, AS PAID FOR WITH MODIFED SHAPING SLOPES - CLASS III, SHALL USE ALTERNATE GRADING LIMITS AS SHOWN IN THE STD. PLANS



ROADWAY ITEMS (A1235):
R1 - REMOVE APPROACH PAVEMENT TO NEAREST JOINT AFTER MEETING STD 504.00 DISTANCE
R2 - REMOVE GUARDRAIL AND REPLACE WITH TYPE MGS PER PLANS AND STANDARDS
R3 - UTILIZE TEMPORARY SHORING DURING STAGED CONSTRUCTION (LUMP SUM)

1 ADDED

BRIDGE ITEMS (A1235): BRIDGE PLAN QUANTITIES SUPERCEDE THIS LISTING
B9 - REMOVE 2"± WEARING SURFACE AND 1/2"± OF ORIGINAL DECK
B10 - USE TOTAL SURFACE HYDRO DEMOLITION TO REMOVE ADDITIONAL 1/2" OF LOOSE AND SOUND CONCRETE DECK
B11 - 4100 SF OF REMOVAL OF EXISTING DECK REPAIR (AS DETERMINED BY ENGINEER)
B12 - REMOVE EXISTING APPROACH SLAB AT BRIDGE ENDS
B13 - REMOVE & REPLACE APPROACH NOTCHES AT END BENTS 1 & 6 CORBELS

1 REVISED

LEGEND

REMOVAL OF EXISTING WEARING SURFACE + 1/2"± ORIGINAL DECK, 1/2" TOTAL SURFACE HYDRO DEMOLITION, & REMOVAL OF EXISTING DECK REPAIR

REMOVAL OF EXIST. APPROACH SLAB AND APPROACH PAVEMENT

BRIDGES A1233, A1234, A1235
REMOVALS & RETROFITS
SHEET 1 OF 4

1 REVISED

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
11/06/2026 3:33:27 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
11/6/2026

ROUTE	STATE
I-255	MO
DISTRICT	SHEET NO.
SL	10

COUNTY
ST. LOUIS

JOB NO.
JSL0053

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

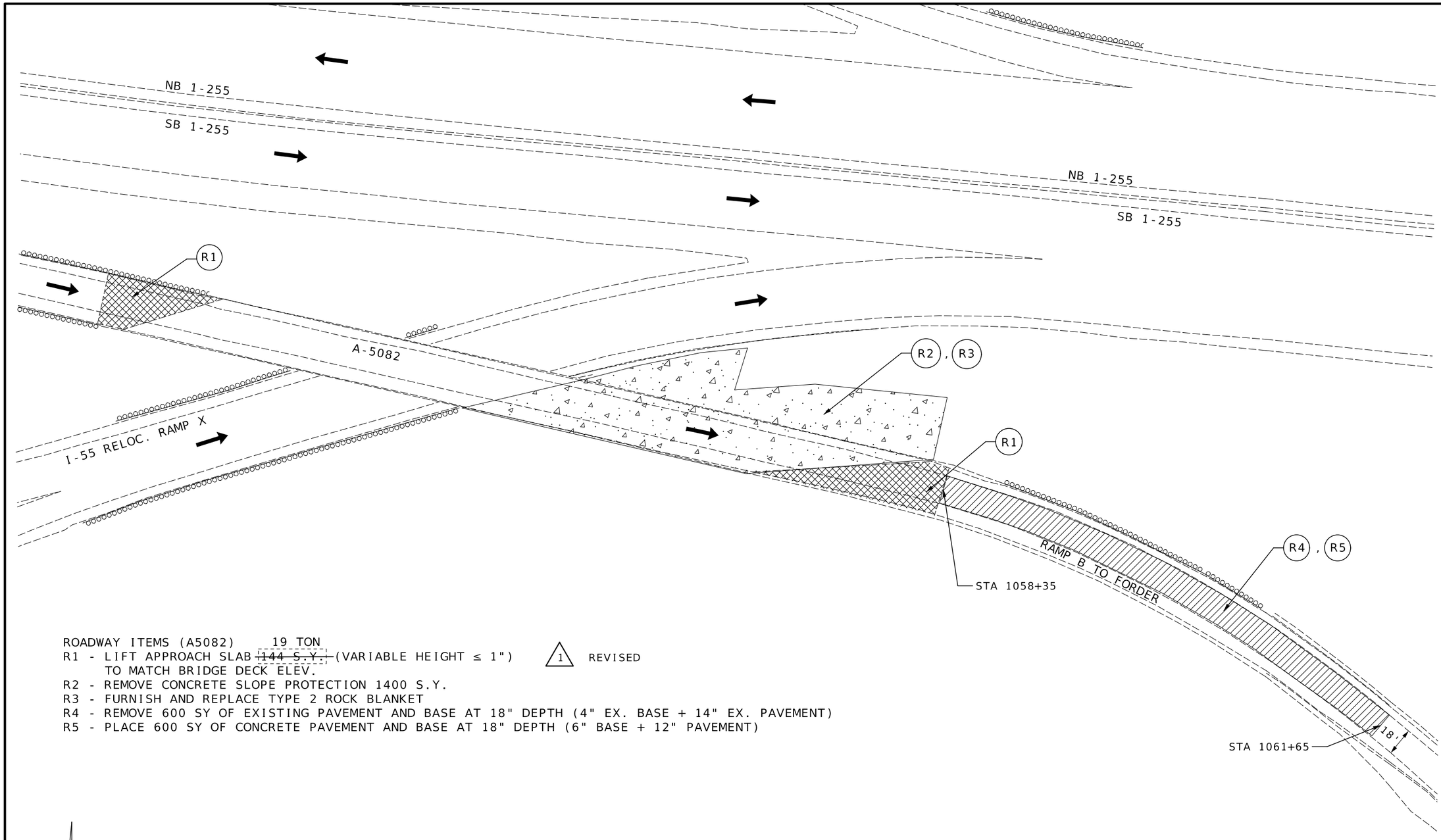
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PLAN SHEET
SHEET 7 OF 15



ROADWAY ITEMS (A5082) 19 TON

R1 - LIFT APPROACH SLAB ~~144 S.Y.~~ (VARIABLE HEIGHT ≤ 1") TO MATCH BRIDGE DECK ELEV.

R2 - REMOVE CONCRETE SLOPE PROTECTION 1400 S.Y.

R3 - FURNISH AND REPLACE TYPE 2 ROCK BLANKET

R4 - REMOVE 600 SY OF EXISTING PAVEMENT AND BASE AT 18" DEPTH (4" EX. BASE + 14" EX. PAVEMENT)

R5 - PLACE 600 SY OF CONCRETE PAVEMENT AND BASE AT 18" DEPTH (6" BASE + 12" PAVEMENT)

1 REVISED

SCALE

0 30 60 90

BRIDGE A5082
ROADWAY ITEMS
SHEET 1 OF 4

1 REVISED

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER

11/06/2026 3:33:53 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
11/6/2026

ROUTE	STATE
I-255	MO
DISTRICT	SHEET NO.
SL	14

COUNTY
ST. LOUIS

JOB NO.
JSL0053

CONTRACT ID.

PROJECT NO.

BRIDGE NO.
A-5082

DESCRIPTION	DATE

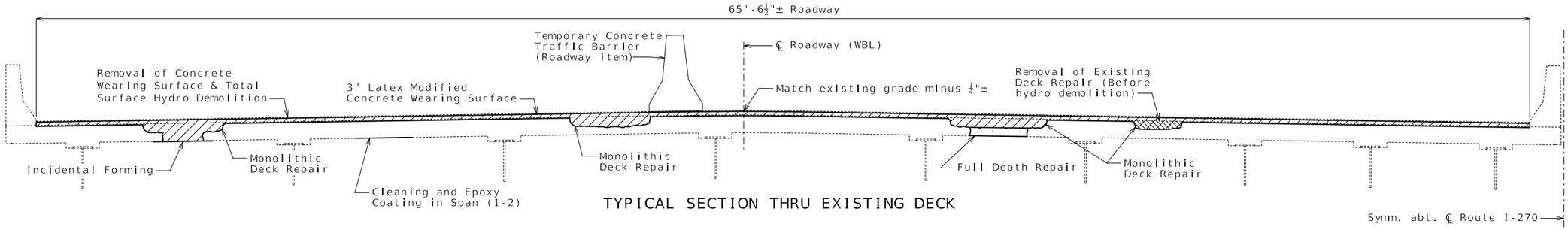
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PLAN SHEET
SHEET 11 OF 15

SEC/SUR 33 TWP 44N RGE 6E

U.I.P. AND REHABILITATE EXISTING (63.5'-84'-84'-53') CONTINUOUS COMPOSITE PLATE GIRDER SPANS (SKEW: 17°20'00" L.A.)



TYPICAL SECTION THRU EXISTING DECK

Estimated Quantities

	Item		Total
	Class 1 Excavation	cu. yard	225
	Total Surface Hydro Demolition	sq. yard	4158
	Removal of Concrete Wearing Surface	sq. foot	37,425
	Removal of Existing Deck Repair	sq. foot	1750
	Removal of Existing Barrier	linear foot	71
	Remove and Replace Approach Corbel	linear foot	223
	Removal of Approach Slab	sq. foot	~~6420~~ 8919 (1)
	Bridge Approach Slab (Major)	sq. yard	713
*	Supplementary Wearing Surface Material	cu. yard	76
	Latex Modified Concrete Wearing Surface	sq. yard	4158
	Diamond Grinding	sq. yard	4158
	Type B Barrier	linear foot	10
	Modified Type A Barrier	linear foot	58
	Substructure Repair (Unformed)	sq. foot	18
	Full Depth Repair	sq. foot	50
	Cleaning and Epoxy Coating	sq. foot	5
	Reinforcing Steel (Epoxy Coated)	pound	1700
	Protective Coating - Concrete Bents and Piers (Epoxy)	lump sum	1
	Vertical Drain at End Bents	each	2

* Supplementary wearing surface material for monolithic deck repair will be paid for at the fixed unit price in accordance with Sec 109.

General Notes:

Design Specifications:

2002 AASHTO LFD (17th Ed.) Standard Specifications
Bridge Deck Rating = 6

Design Loading:

HS20-44 and Alternate Military (1961, 1975, 1989 & New Construction)

Design Unit Stresses:

Class B-1 Concrete (Barrier)	f'c = 4,000 psi
Class B-2 Concrete (Full Depth & Corbel)	f'c = 4,000 psi
Reinforcing Steel (ASTM A615 Grade 60)	fy = 60,000 psi

Joint Filler:

All joint filler shall be in accordance with Sec 1057 for preformed sponge rubber expansion and partition joint filler, except as noted.

Reinforcing Steel:

Minimum clearance to reinforcing steel shall be 1 1/2", unless otherwise shown.

Concrete Protective Coatings:

Protective coating for concrete bents and piers (Epoxy) shall be applied as shown on the bridge plans and in accordance with Sec 711.

Miscellaneous:

Roadway surfacing adjacent to bridge ends shall match new bridge wearing surface (roadway item).

All concrete repairs shall be in accordance with Sec 704, unless otherwise noted.

Outline of existing work is indicated by light dashed lines. Heavy lines indicate new work.

Contractor shall verify all dimensions in field before finalizing the shop drawings.

In order to maintain grade and a minimum thickness of wearing surface as shown on plans it may be necessary to use additional quantities of wearing surface at various locations throughout the structure. The cost of furnishing and installing the wearing surface will be considered completely covered in the contract unit price, including all additional labor, materials or equipment for variations in thickness of wearing surface.

Traffic Handling:

Traffic to be maintained on structure during construction. See roadway plans for traffic control.

(1) REVISED

REPAIRS TO BRIDGE: ROUTE I-270 OVER VON TALGE ROAD AND BNSF R.R.

ROUTE I-270 FROM ROUTE 21 TO ROUTE I-55
ABOUT 1.6 MILES EAST OF ROUTE 21
BEGINNING STATION 1055+14.02 WBL ±, 1055+02.02 EBL ± (Match Existing)

Detailed June 2026
Checked June 2026

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
TRENTON B. CRAWFORD
NUMBER PE-2012018053
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 11/5/2026
ROUTE I-270 | STATE MO
DISTRICT BR | SHEET NO. 1
COUNTY ST. LOUIS
JOB NO. JSL0053
CONTRACT ID.
PROJECT NO.
BRIDGE NO. A10333

DESCRIPTION | DATE

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