

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

SUMMARY OF QUANTITIES



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
10/3/2016

ROUTE 6 STATE MO

DISTRICT NE SHEET NO. 3

COUNTY KNOX/LEWIS

JOB NO. J2P3105

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

MODIFIED COLDMILLING (DEPTH TRANSITIONS)							
SHEET	LOG MILE	LOG MILE	LENGTH FT	AVGE. WIDTH FT	THICK INCHES	QUANTITY SQ.YD.	REMARKS
4, 5	168.309	168.328	100	30	1	333.3	DEPTH TRANSITION AT END OF MILL AND FILL - EDINA
6	168.612	168.631	100	40	1	444.4	DEPTH TRANSITION AT A4418 BRIDGE
6	168.711	168.730	100	40	1	444.4	DEPTH TRANSITION AT A4418 BRIDGE
6	170.391	170.441	100	30	1	333.3	DEPTH TRANSITION AT A6285 BRIDGE
6	170.471	170.490	100	30	1	333.3	DEPTH TRANSITION AT A6285 BRIDGE
4	176.109	176.128	100	30	1	333.3	DEPTH TRANSITION AT BEGIN OF MILL AND FILL - KNOX CITY
4	176.728	176.747	100	30	1	333.3	DEPTH TRANSITION AT END OF MILL AND FILL - KNOX CITY
4	181.350	181.369	100	27	1	300.0	DEPTH TRANSITION AT BEGIN OF MILL AND FILL - LoBELLE
4	182.369	182.388	100	28	1	311.1	DEPTH TRANSITION AT END OF MILL AND FILL - LoBELLE
4	184.540	184.559	100	27	1	300.0	DEPTH TRANSITION AT END OF PROJECT
5	VAR.	VAR.	VAR.	VAR.	1	1446.7	DEPTH TRANSITION AT VARIOUS PAVED APPROACHES
						TOTAL	4913.1
						USE	4913

BITUMINOUS SHOULDER RUMBLE STRIP				
SHEET	LOG MILE	LOG MILE	QUANTITY STATIONS	REMARKS
2	167.362	168.362	-	EDINA EXCEPTION
2	168.362	168.631	28.41	RIGHT AND LEFT EDGELINE - EDINA TO BRIDGE A4418
2	168.631	168.711	-	BRIDGE A4418 EXCEPTION
2	168.711	170.441	182.69	RIGHT AND LEFT EDGELINE - BRIDGE A4418 TO BRIDGE A6285
2	170.441	170.471	-	BRIDGE A6285 EXCEPTION
2	170.471	176.119	596.43	RIGHT AND LEFT EDGELINE - BRIDGE A6285 TO KNOX CITY
2	176.119	176.920	-	KNOX CITY EXCEPTION
2	176.920	181.520	485.76	RIGHT AND LEFT EDGELINE - KNOX CITY TO LoBELLE
2	181.520	182.429	-	LoBELLE EXCEPTION
2	182.429	184.559	224.93	RIGHT AND LEFT EDGELINE - LoBELLE TO END OF PROJECT
-	168.362	184.559	-142.60	EXCEPTIONS AT ROUTE T, SIDE ROADS, AND RESIDENTIAL OR COMMERCIAL ENTRANCES
			TOTAL	1375.62
			USE	1375.7

BITUMINOUS CENTERLINE RUMBLE STRIP				
SHEET	LOG MILE	LOG MILE	QUANTITY STATIONS	REMARKS
2	167.362	168.362	-	EDINA EXCEPTION
2	168.362	168.631	14.20	TRAVELWAY CENTERLINE - EDINA TO BRIDGE A4418
2	168.631	168.711	-	BRIDGE A4418 EXCEPTION
2	168.711	170.441	91.34	TRAVELWAY CENTERLINE BRIDGE A4418 TO BRIDGE A6285
2	170.441	170.471	-	BRIDGE A6285 EXCEPTION
2	170.471	176.119	298.21	TRAVELWAY CENTERLINE BRIDGE A6285 TO KNOX CITY
2	176.119	176.920	-	KNOX CITY EXCEPTION
2	176.920	181.520	242.88	TRAVELWAY CENTERLINE - KNOX CITY TO LoBELLE
2	181.520	182.429	-	LoBELLE EXCEPTION
2	182.429	184.559	112.46	TRAVELWAY CENTERLINE - LoBELLE TO END OF PROJECT
			TOTAL	759.09
			USE	759.1

REMOVAL OF IMPROVEMENTS				
SHEET	LOG MILE	LOG MILE	QUANTITY LUMP SUM	DESCRIPTION
6	168.612	168.740	528 L.F.	REMOVE EXISTING GUARDRAIL BRIDGE A4418
6	170.400	170.511	1040 L.F.	REMOVE EXISTING GUARDRAIL BRIDGE A6285
			TOTAL	1 LUMP SUM

MOBILIZATION	
1 LUMP SUM	

NOTE: LOG MILES ARE APPROXIMATE.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

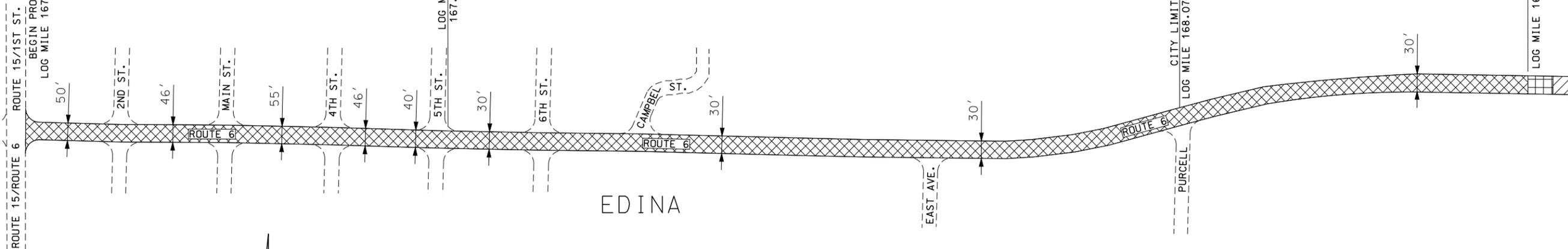


QUANTITY SHEET
SHEET 1 OF 4

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

1" MILL AND FILL

CURB AND GUTTER



EDINA

EAST AVE.

PURCELL

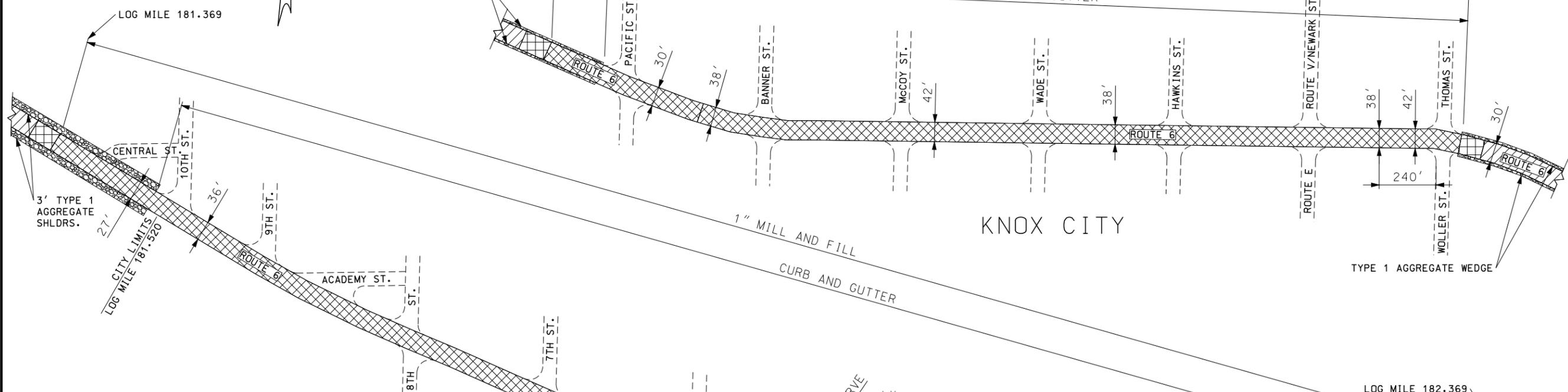
TYPE 1 AGGREGATE WEDGE

LOG MILE 176.128
CITY LIMITS

1" MILL AND FILL

CURB AND GUTTER

LOG MILE 176.728



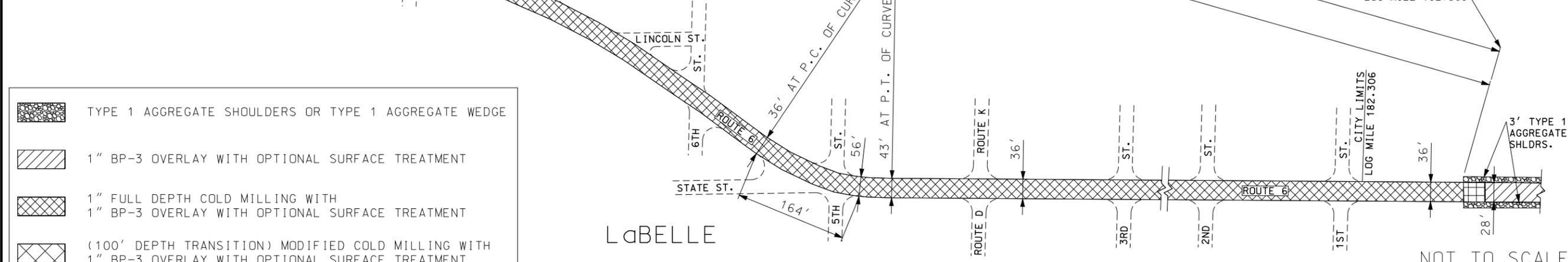
KNOX CITY

TYPE 1 AGGREGATE WEDGE

1" MILL AND FILL

CURB AND GUTTER

LOG MILE 182.369



LaBELLE

CITY LIMITS
LOG MILE 182.306

3' TYPE 1
AGGREGATE
SHLDRS.

NOT TO SCALE

-  TYPE 1 AGGREGATE SHOULDERS OR TYPE 1 AGGREGATE WEDGE
-  1" BP-3 OVERLAY WITH OPTIONAL SURFACE TREATMENT
-  1" FULL DEPTH COLD MILLING WITH 1" BP-3 OVERLAY WITH OPTIONAL SURFACE TREATMENT
-  (100' DEPTH TRANSITION) MODIFIED COLD MILLING WITH 1" BP-3 OVERLAY WITH OPTIONAL SURFACE TREATMENT

STATE OF MISSOURI
 CHRISTOPHER S. KNAPP
 NUMBER PE-200502325
 PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	10/3/2016
ROUTE	6
STATE	MO
DISTRICT	NE
SHEET NO.	4
COUNTY	KNOX/LEWIS
JOB NO.	J2P3105
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

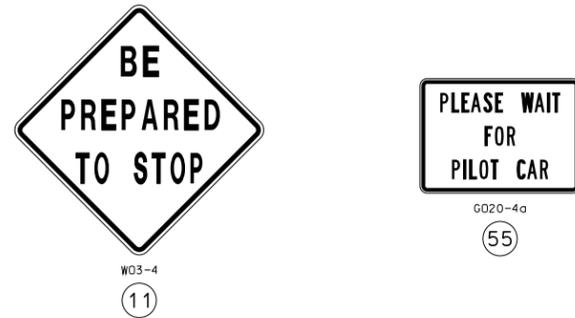
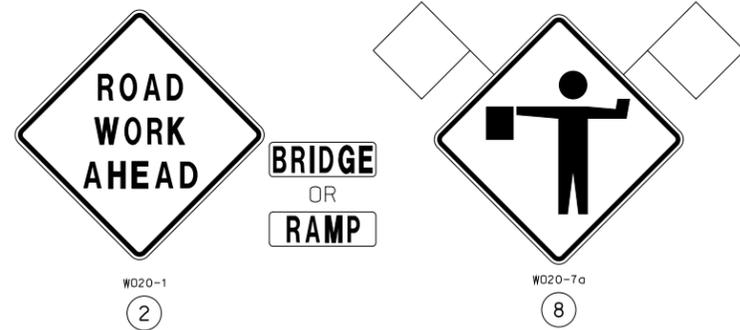
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

MILL AND FILL SECTIONS
 EDINA, KNOX CITY, AND LaBELLE
 SPECIAL SHEET
 SHEET 1 OF 3

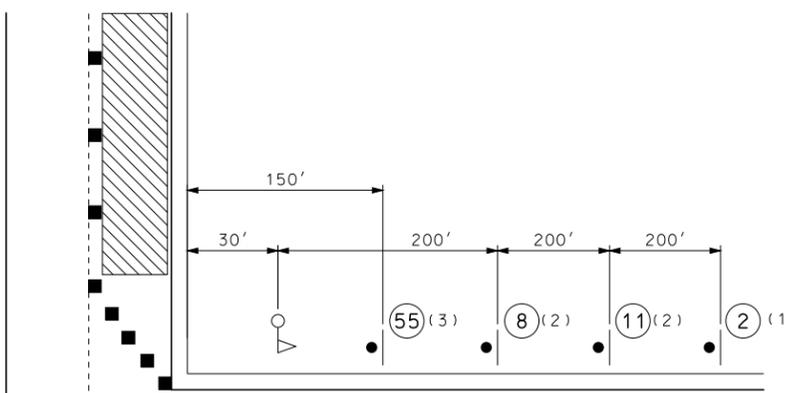
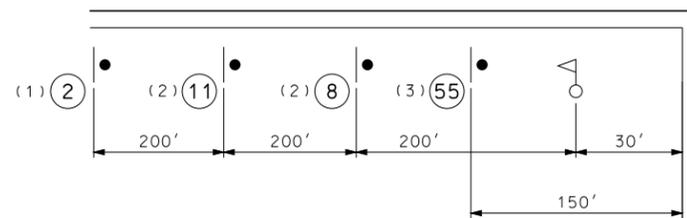
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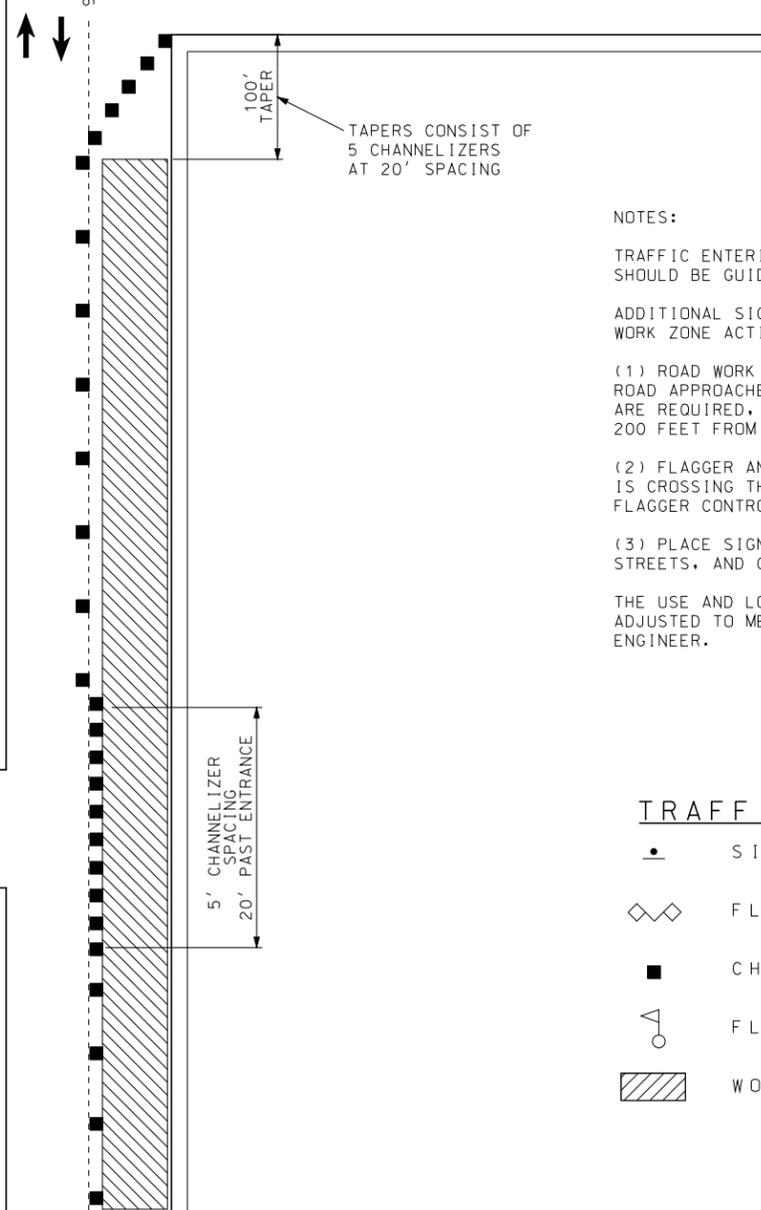
SPEED	SIGN SPACING (ft)		TAPER LENGTH (ft)		BUFFER (ft)	CHANNELIZER SPACING (ft)	
	UNDIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	OPTIONAL LENGTH (B)	TAPERS	BUFFER/WORK AREAS
0-35	200	-	70	245	280	35	40
40-45	350	-	150	540	400	40	80
50-55	500	-	185	660	560	50	80
60-70	1000	-	235	840	840	60	120

(1) SHOULDER TAPER LENGTH BASED ON 10ft. (STANDARD SHOULDER WIDTH) OFFSET.
 (2) LANE TAPER LENGTH BASED ON 12ft. (STANDARD LANE WIDTH) OFFSET.

STATE ROUTE, SIDE ROAD, CITY STREET, OR COMMERCIAL ENTRANCE



STATE ROUTE, SIDE ROAD, CITY STREET, OR COMMERCIAL ENTRANCE



NOTES:

- TRAFFIC ENTERING WORK ZONE FROM SIDE ROADS SHOULD BE GUIDED THROUGH THE PROJECT.
- ADDITIONAL SIGNING MAY BE REQUIRED BASED ON WORK ZONE ACTIVITIES.
- (1) ROAD WORK AHEAD SIGN REQUIRED FOR ALL PUBLIC ROAD APPROACHES TO THE WORK ZONE. IF NO FLAGGERS ARE REQUIRED, ROAD WORK AHEAD SIGNS ARE LOCATED 200 FEET FROM THE INTERSECTION.
- (2) FLAGGER AND SIGNING ONLY REQUIRED WHERE EQUIPMENT IS CROSSING THE ROAD OR OTHER CONDITIONS REQUIRING FLAGGER CONTROL EXIST.
- (3) PLACE SIGN 55 AT ALL STATE ROUTES, SIDE ROADS, CITY STREETS, AND COMMERCIAL ENTRANCES IN THE ACTIVE WORK AREA.
- THE USE AND LOCATION OF ALL SIGNS AND DEVICES, MAY BE ADJUSTED TO MEET FIELD CONDITIONS, AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- ◇◇◇ FLAG ASSEMBLY
- CHANNELIZER (TRIM LINE)
- △ FLAGGER
- ▨ WORK AREA

STATE ROUTE, SIDE ROAD, CITY STREET, OR COMMERCIAL ENTRANCE INTERSECTION

NOT TO SCALE

STATE OF MISSOURI
 CHRISTOPHER S. KNAPP
 NUMBER PE-200502325
 PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

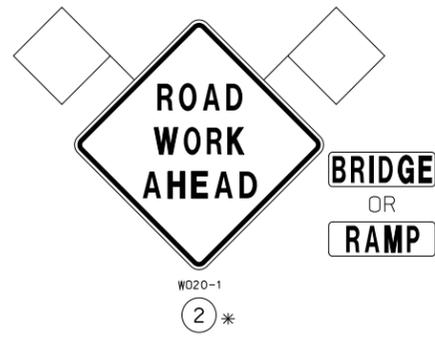
DATE PREPARED 10/3/2016	
ROUTE 6	STATE MO
DISTRICT NE	SHEET NO. 8
COUNTY KNOX/LEWIS	
JOB NO. J2P3105	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

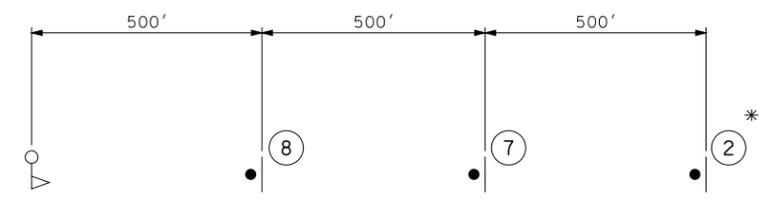
TRAFFIC CONTROL
 SHEET 2 OF 7

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

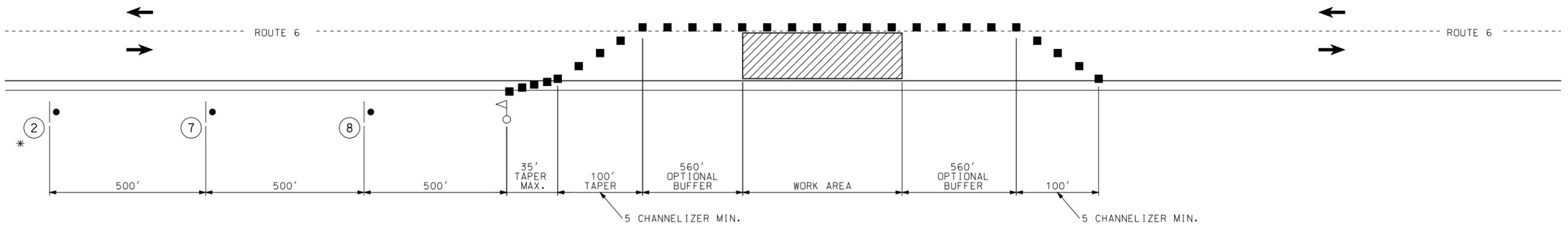


TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- ◇◇◇ FLAG ASSEMBLY
- CHANNELIZER (TRIM LINE)
- ▨ WORK AREA
- ▽ FLAGGER
- ▨▨▨ ADVANCED WARNING RAIL SYSTEM

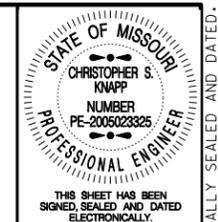


NOTE:
 ADDITIONAL SIGNING MAY BE REQUIRED BASED ON WORK ZONE ACTIVITIES.
 THE LOCATION OF ALL SIGNS AND DEVICES USED, MAY BE ADJUSTED TO FIT FIELD CONDITIONS, AS DIRECTED BY THE ENGINEER.
 FLAG ASSEMBLIES FOR SIGNS WILL BE PAID FOR AS EACH PER SIGN, EXCEPT FOR SIGN W020-7a, FLAG ASSEMBLIES ARE SUBSIDIARY TO THE SIGN.
 FOR CHANNELIZER SPACINGS, SEE PLAN SHEET 8.
 (1) SIGN 53, (PILOT CAR FOLLOW ME), SHALL BE THE CONTRACTOR'S RESPONSIBILITY WHEN IN USE DURING OPERATION.
 (2) PROVIDE SIGN 55 AT STATE ROUTES, LOCAL ROADS, CITY STREETS, AND COMMERCIAL ENTRANCES IN THE ACTIVE WORK AREA. FOR PLACEMENT OF SIGN 58, SEE PLAN SHEET 8.
 * - ADVANCED WARNING RAIL SYSTEM TO BE USED ON THIS SIGN.



LANE CLOSURE ON TWO-LANE ROAD USING FLAGGERS AND PILOT CAR

NOT TO SCALE



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 10/3/2016

ROUTE 6	STATE MO
DISTRICT NE	SHEET NO. 9

COUNTY: KNOX/LEWIS
 JOB NO.: J2P3105
 CONTRACT ID.:
 PROJECT NO.:
 BRIDGE NO.:

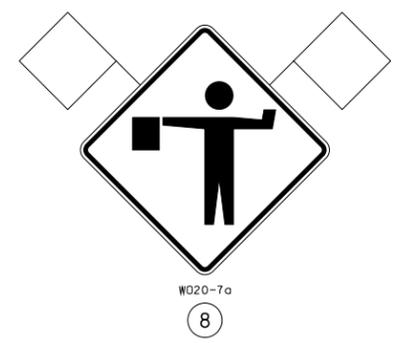
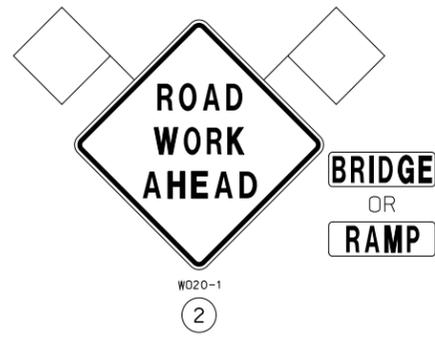
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-278-6636)

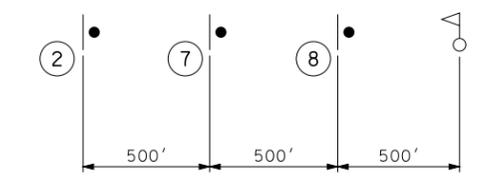
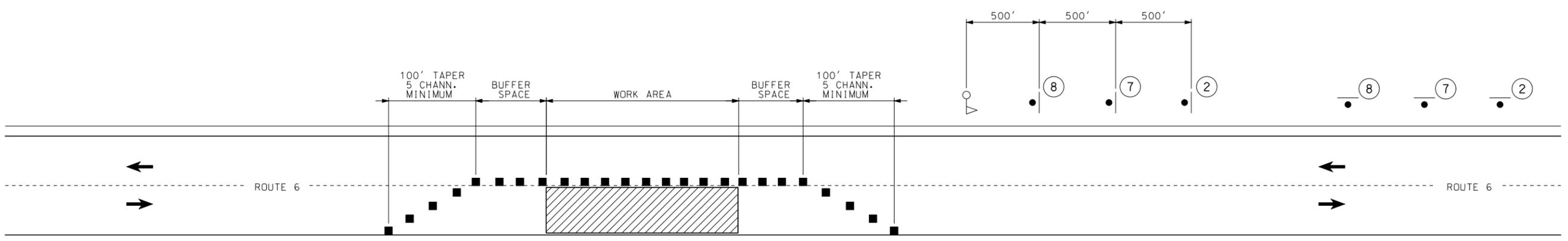
TRAFFIC CONTROL SHEET 3 OF 7

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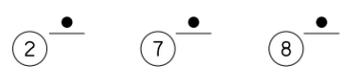


TRAFFIC CONTROL LEGEND

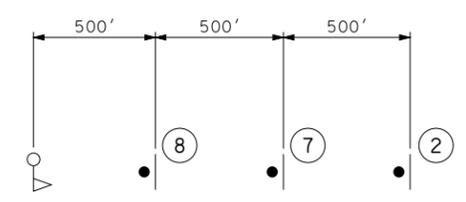
- SIGN (SINGLE SIDED)
- ◊◊ FLAG ASSEMBLY
- CHANNELIZER (TRIM LINE)
- ▨ WORK AREA
- ◊ FLAGGER



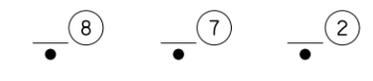
SET 1
ACTIVE



SET 2
INACTIVE



SET 3
ACTIVE



SET 4
INACTIVE

NOTE:
 ADDITIONAL SIGNING MAY BE REQUIRED BASED ON WORK ZONE ACTIVITIES.
 THE LOCATION OF ALL SIGNS AND DEVICES USED, MAY BE ADJUSTED TO FIT FIELD CONDITIONS, AS DIRECTED BY THE ENGINEER.
 SIGN SETS 1 AND 3 ARE ACTIVE AND FACING ONCOMING TRAFFIC.
 SIGN SETS 2 AND 4 ARE INACTIVE NOT FACING EITHER DIRECTION OF TRAFFIC WHEN THE RESURFACING OPERATION IS LOCATED BETWEEN SIGN SETS 1 AND 3.
 WHEN SIGN SETS 2 AND 4 ARE ACTIVE, SIGN SETS 1 AND 3 BECOME INACTIVE AND ARE ADVANCED TO BECOME SETS 2 AND 4 NOT FACING EITHER DIRECTION OF TRAFFIC. WHEN THE RESURFACING OPERATION ADVANCES TO BETWEEN SIGN SETS 2 AND 4, SIGN SETS 2 AND 4 BECOME ACTIVE, (NEW SIGN SETS 1 AND 3) AND SIGN SETS 1 AND 3 ADVANCED IN THE DIRECTION OF THE OPERATION (NEW SIGN SETS 2 AND 4).
 CHANNELIZING DEVICES LOCATED DOWNSTREAM OF THE ONE-LANE, TWO-WAY TAPER ARE OPTIONAL. THESE DEVICES SHOULD BE ELIMINATED WHEN THEIR USE WILL REDUCE THE USABLE LANE WIDTH, INCLUDING ANY ACCEPTABLE SHOULDERS, TO LESS THAN 10 FEET OR WILL SIGNIFICANTLY AFFECT THE RESURFACING OPERATION. SEE PLAN SHEET 8 FOR SPACING.

DAYLIGHT FLAGGING OPERATIONS ONLY.
 SEE EPG 616.12 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES.
 IF RUMBLE STRIPS ARE USED, SEE EPG 616.87 RUMBLE STRIPS.
 FLAG ASSEMBLIES FOR SIGNS WILL BE PAID FOR AS EACH PER SIGN, EXCEPT FOR SIGN W020-7a, FLAG ASSEMBLIES ARE SUBSIDIARY TO THE SIGN.
 (1) SIGN 53, (PILOT CAR FOLLOW ME), SHALL BE THE CONTRACTOR'S RESPONSIBILITY WHEN IN USE DURING OPERATION.
 (2) PROVIDE SIGN 55 AT STATE ROUTES, LOCAL ROADS, CITY STREETS, AND COMMERCIAL ENTRANCES IN THE ACTIVE WORK AREA. FOR PLACEMENT OF SIGN 58, SEE PLAN SHEET 8.

FLAGGER CONTROL RESURFACING OR MOVING OPERATION
 ONE-LANE TWO-WAY OPERATION

NOT TO SCALE



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.
 DATE PREPARED 10/3/2016
 ROUTE 6 STATE MO
 DISTRICT NE SHEET NO. 11
 COUNTY KNOX/LEWIS
 JOB NO. J2P3105
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

 105 WEST CAPITOL JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-278-6636)

TRAFFIC CONTROL
 SHEET 5 OF 7

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