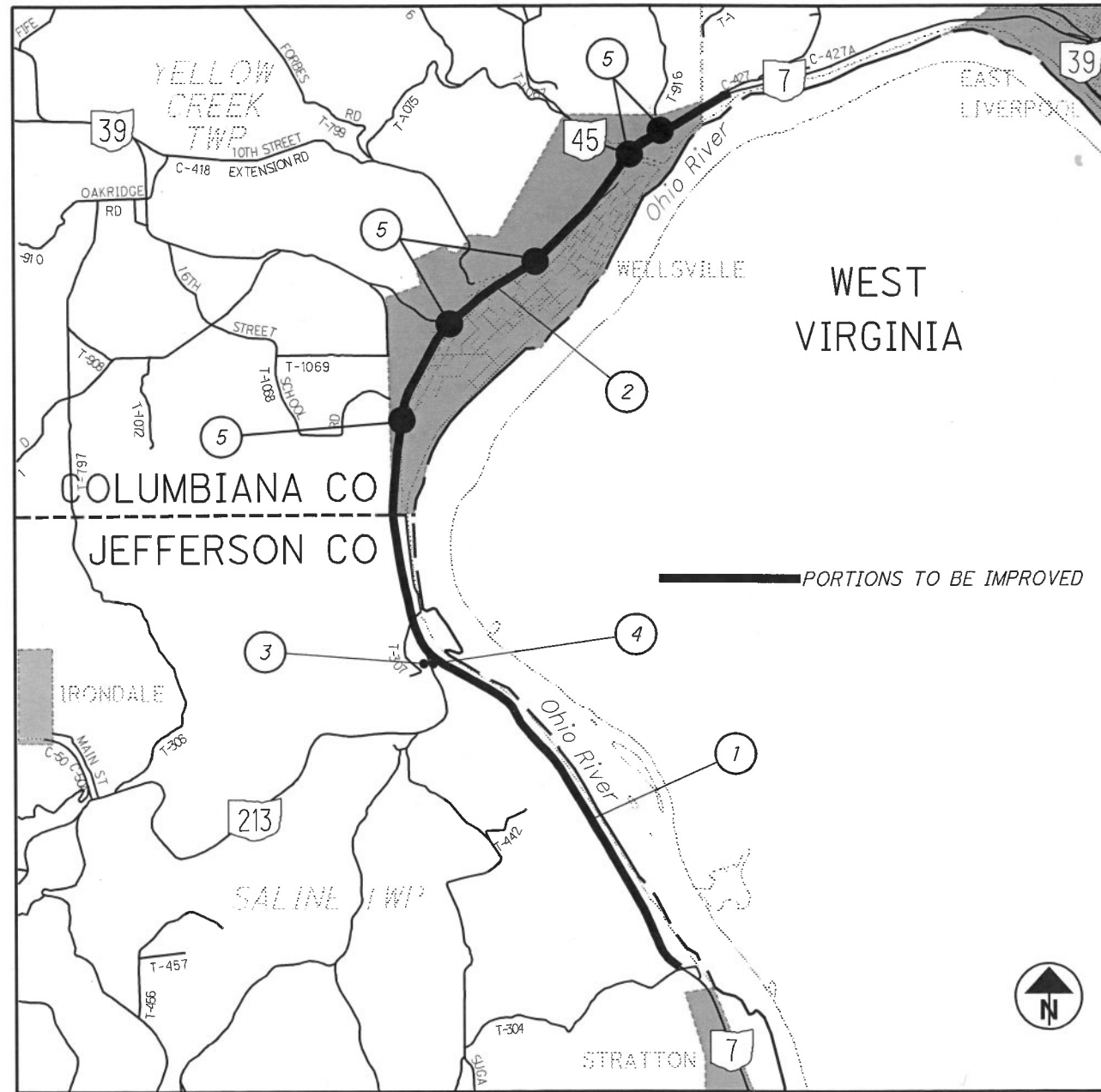


STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

JEF / COL - 7 - 31.13 / 0.00
442 4-LANE RESURFACING



LOCATION MAP

LATITUDE: N 40° 35' 00" LONGITUDE: W 80° 40' 15"

PART	COUNTY	ROUTE	SECTION	PROJECT TERMINI		NET LENGTH MILES	VILLAGE / CITY
				BEGIN	END		
1	JEF	S.R. 7	31.13	31.13	34.55	3.42	
2	COL	S.R. 7	0.00	0.00	3.56	3.56	VILLAGE OF WELLSVILLE
3	JEF	S.R. 213 PARK & RIDE	-	-	-	-	
4	JEF	S.R. 7/S.R. 213 REST AREA	-	-	-	-	

PROJECT EARTH DISTURBED AREA = N/A (MAINTENANCE PROJECT)
ESTIMATED CONTRACTOR EARTH DISTURBED AREA = N/A (MAINTENANCE PROJECT)
NOTICE OF INTENT EARTH DISTURBED AREA = N/A (MAINTENANCE PROJECT)

LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

2019 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THESE IMPROVEMENTS WILL NOT REQUIRE THE CLOSING OF THE HIGHWAYS TO TRAFFIC AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

APPROVED DATE 1-31-2020

Thomas D. Coey
DISTRICT DEPUTY DIRECTOR

APPROVED DATE _____

DIRECTOR, DEPARTMENT OF TRANSPORTATION

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UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig

OHIO811.org
Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

STANDARD CONSTRUCTION DRAWINGS							
BP-2.1	7/17/15	RM-4.2	10/24/19	MT-98.20	4/19/19	TC-21.50	7/15/16
BP-2.2	7/18/08	RM-4.3	7/18/14	MT-98.22	1/20/17	TC-41.20	10/18/13
BP-2.5	7/19/13	RM-4.4	7/19/19	MT-98.28	1/20/17	TC-42.20	10/18/13
BP-3.1	10/18/19	RM-4.6	7/19/13	MT-99.20	4/19/19	TC-52.10	10/18/13
BP-7.1	7/20/18	RM-6.1	7/18/14	MT-101.70	7/20/18	TC-52.20	7/20/18
BP-9.1	1/18/19			MT-101.75	7/15/16	TC-65.10	1/17/14
		HL-10.15	7/17/15	MT-101.80	1/16/15	TC-65.11	7/21/17
I-2.1	1/15/16			MT-101.90	7/21/17	TC-71.10	1/19/18
		MT-95.30	7/19/19	MT-103.10	1/19/18	TC-72.20	7/20/18
DM-1.1	7/21/17	MT-95.40	1/20/17	MT-104.10	10/16/15	TC-73.20	7/21/17
DM-4.3	1/15/16	MT-95.45	4/19/19	MT-105.10	7/19/13		
DM-4.4	1/15/16	MT-95.50	7/21/17				
		MT-98.10	1/20/17	TC-7.65	7/20/18		
RM-3.1	7/20/18	MT-98.11	4/19/19	TC-21.10	7/19/19		

SUPPLEMENTAL SPECIFICATIONS
800-2019 10/18/19
808 1/18/19
821 4/20/12
832 10/19/18
846 4/17/15
902 7/19/19
908 10/20/17
921 4/20/12
SPECIAL PROVISIONS

ENGINEER'S SEAL:

SIGNED: *David A. Hoffman*
DATE: 2-3-2020

FEDERAL PROJECT NO. E150(687)
PID NO. 81722
CONSTRUCTION PROJECT NO. _____
RAILROAD INVOLVEMENT NONE
JEF / COL - 7 - 31.13 / 0.00
1/53

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MAINTAINING TRAFFIC, AS PER PLAN

THE CONTRACTOR SHALL MAINTAIN TRAFFIC AT ALL TIMES IN ACCORDANCE WITH THE REQUIREMENTS OF CMS ITEM 614, THESE MAINTENANCE OF TRAFFIC NOTES AND DETAILS, THE STANDARD CONSTRUCTION DRAWINGS, AND THE TRAFFIC CONTROL DETAILS DESCRIBED IN THESE PLANS.

THE MINIMUM LANE WIDTH FOR TRAFFIC CONTROL SHALL BE 11 FEET AT ALL TIMES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ORGANIZE HIS WORK IN SUCH A MANNER TO PROVIDE THE MOST SAFETY WITH THE LEAST INCONVENIENCE TO THE TRAVELING PUBLIC.

THE CONTRACTOR IS RESPONSIBLE FOR DESIGNING THE MAINTENANCE OF TRAFFIC SCHEME. THE CONTRACTOR SHALL SUBMIT, IN WRITING, THIS MAINTENANCE OF TRAFFIC SCHEME AND A SCHEDULE OF OPERATIONS TO THE ENGINEER AND RECEIVE APPROVAL BEFORE WORK IS STARTED ON THE PROJECT.

ANY OPEN PAVEMENT TRENCH OR DROPOFF SHALL BE ADEQUATELY MAINTAINED AND PROTECTED. THE PROTECTION USED SHALL MEET THE REQUIREMENTS OF STD DWG MT-101.90.

UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR BE PERMITTED TO HAVE WORK ZONES WHICH ALTERNATELY CLOSE BOTH THE PASSING AND TRAVEL LANE UNLESS THE DISTANCE BETWEEN THE LANE RESTRICTIONS EXCEEDS 2 MILES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR SMOOTH AND ORDERLY FLOW OF TRAFFIC THROUGH THE PROJECT AREA 24 HOURS PER DAY FOR THE DURATION OF THE PROJECT. THIS CONSISTS OF NOTIFYING THE OHIO STATE PATROL AFTER ENCOUNTERING ANY ACCIDENTS OR DISABLED VEHICLES OR OBJECTS HINDERING THE FLOW OF TRAFFIC.

THE CONTRACTOR SHALL DESIGNATE TO THE ENGINEER A PERSON RESPONSIBLE FOR MAINTENANCE OF TRAFFIC CONTROL DURING NON-WORK HOURS WHO SHALL BE AVAILABLE WITHIN (30) MINUTES AFTER NOTIFICATION.

PAYMENT FOR PROVIDING WATCHMEN, FURNISHING, ERECTING, MAINTAINING AND REMOVING SIGNS, CONES, MARKERS, SPECIAL LIGHTING, FLOODLIGHTING, WORK ZONE PAVEMENT MARKINGS, WORK ZONE RAISED PAVEMENT MARKERS, ETC., SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614 MAINTAINING TRAFFIC, AS PER PLAN.

THE CONTRACTOR SHALL FURNISH, INSTALL AND MAINTAIN ALL ADDITIONAL SIGNS OR OTHER TRAFFIC CONTROL DEVICES AS REQUIRED ABOVE. ALL COSTS INVOLVED IN FURNISHING, INSTALLING AND MAINTAINING THESE DEVICES SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614, MAINTAINING TRAFFIC, AS PER PLAN.

UNLESS THE ENGINEER DEEMS IT PHYSICALLY IMPOSSIBLE, ALL CONSTRUCTION EQUIPMENT SHALL EXIT ALL WORK ZONES FROM THE DOWNSTREAM END OF THE WORK ZONE OR BY INTERCHANGE RAMPS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR BE PERMITTED TO DIRECTLY TRANSPORT OR OPERATE ANY EQUIPMENT ACROSS THE OPEN LANES OF THE ROADWAY.

(CONTINUED...)

MAINTAINING TRAFFIC, AS PER PLAN (CONTINUED...)

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS. THE RESTRICTIONS SHALL ALSO APPLY TO WORK ON THE RAMPS.

THE PLANING AND RESURFACING WILL PROCEED CONTINUOUSLY A MINIMUM OF FIVE (5) DAYS PER WEEK, WEATHER PERMITTING, EXCEPTING HOLIDAYS AND EVENTS LISTED BELOW:

NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS:

MEMORIAL DAY	FOURTH OF JULY
LABOR DAY	THANKSGIVING

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPENED DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF THE WEEK	TIME ALL LANES MUST BE OPENED TO TRAFFIC
SUNDAY	12:00N FRI THRU 6:00 AM MON
MONDAY	12:00N FRI THRU 6:00 AM TUE
TUESDAY	12:00N MON THRU 6:00 AM WED
WEDNESDAY	12:00N TUE THRU 6:00 AM THU
THURSDAY	12:00N WED THRU 6:00 AM FRI
(THANKSGIVING ONLY)	6:00 AM WED THRU 6:00 AM MON
FRIDAY	12:00N THU THRU 6:00 AM MON
SATURDAY	12:00N FRI THRU 6:00 AM MON

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT OF \$4,200 FOR EACH HOUR THE ABOVE DESCRIBED LANE CLOSURE RESTRICTIONS ARE VIOLATED.

PEDESTRIAN WALKWAYS CONSTRUCTED BY THE CONTRACTOR SHALL BE KEPT FREE OF ANY OBSTRUCTIONS OR HAZARDS INCLUDING HOLES, DEBRIS AND MUD. OTHER WALKWAYS DAMAGED OR DIRTIED BY THE CONTRACTOR SHALL BE IMMEDIATELY REPAIRED OR CLEANED. THE CONTRACTOR MUST TAKE PRECAUTIONS TO PROTECT PEDESTRIANS FROM EXPOSURE TO HAZARDS RESULTING FROM THE CONSTRUCTION OPERATION BY INSTALLING CONSTRUCTION FENCE AND SIGNING.

TEMPORARY ORANGE PLASTIC CONSTRUCTION FENCE HAS BEEN PROVIDED HEREIN AS A TRAFFIC CONTROL DEVICE TO DIVERT AND GUIDE PEDESTRIANS WHOSE PATH WOULD OTHERWISE ENTER THE WORK AREA. THE TEMPORARY ORANGE PLASTIC CONSTRUCTION FENCE SHALL BE PLACED AROUND THE SIDEWALK WORK AREAS. SIDEWALK CLOSED SIGN (R9-9 (30 X 18)) MOUNTED ON A TYPE 3 BARRICADE WITH TYPE A FLASHING LIGHTS SHALL BE PLACED OUTSIDE THE FENCE ON EACH SIDEWALK APPROACH AS SHOWN ON SCD MT-101.60.

(CONTINUED...)

MAINTAINING TRAFFIC, AS PER PLAN (CONTINUED...)

FOR REPAIR OR RECONSTRUCTION WORK INVOLVING SIDEWALKS ON BOTH SIDES OF THE STREET, THE WORK SHALL BE STAGED SO THAT ONE SIDE IS COMPLETED AND OPEN TO PEDESTRIAN TRAFFIC BEFORE THE OTHER IS DISRUPTED.

NO EXTENSIONS OF TIME SHALL BE GRANTED FOR DELAYS IN MATERIAL DELIVERIES, UNLESS SUCH DELAYS ARE INDUSTRY-WIDE, OR FOR LABOR STRIKES, UNLESS SUCH STRIKES ARE AREA-WIDE.

WHEN RAISED PAVEMENT MARKERS ARE TO BE INSTALLED, THE REQUIRED LANE CLOSURE SHALL REMAIN IN EFFECT UNTIL THE EPOXY IS DRY AND ALL FOREIGN MATTER OR DEBRIS CREATED BY THE INSTALLATION OF THE RPM CASTING IS REMOVED FROM THE ROADWAY.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, AS PER PLAN, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

SEQUENCE OF CONSTRUCTION

PHASE 1 - MEDIAN SIDE WORK

1. PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION OPERATIONS CLOSE THE MEDIAN SIDE LANE OF TRAFFIC AND PLACE PORTABLE BARRIER PER MT-95.40
2. REMOVE OVERHEAD TRUSS SIGN SUPPORT
3. REMOVE EXISTING MEDIAN BARRIER AND MEDIAN DRAINAGE STRUCTURES
4. CONSTRUCT PROPOSED MEDIAN CONCRETE BARRIER.
5. REMOUNT OVERHEAD TRUSS SIGN SUPPORT.
6. REMOVE PORTABLE BARRIER AND PLACE DRUMS PER MT-95.30
7. PERFORM FULL DEPTH AND PARTIAL DEPTH REPAIRS IN COORDINATION WITH MILLING THE MEDIAN SIDE PASSING LANE AND MEDIAN SHOULDER.
8. RESURFACE MEDIAN AND MEDIAN SIDE PASSING LANE

PHASE 2 - OUTSIDE WORK

1. PLACE DRUMS PER MT-95.30
2. PERFORM FULL DEPTH AND PARTIAL DEPTH REPAIRS IN COORDINATION WITH MILLING THE OUTSIDE LANE AND OUTSIDE SHOULDER.
3. RESURFACE DRIVING LANES, OUTSIDE SHOULDER AND RAMPS.

NOTIFICATION OF WORK ZONE LANE RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (Hauling.Permits@dot.ohio.gov) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTIFICATION TIME TABLE		
ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS & PIO
RAMP & ROAD CLOSURES	>= 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	<= 12 HOURS	4 BUSINESS DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

EXISTING RUMBLE STRIPS

IF THE CONTRACTOR CHOOSES TO MOVE TRAFFIC ONTO THE OUTSIDE SHOULDER TO MAINTAIN TWO LANES OF TRAVEL, THE EXISTING RUMBLE STRIPS WILL HAVE TO BE REMOVED. THE AREA OF THE EXISTING RUMBLE STRIPS SHALL BE MILLED TO A DEPTH OF AT LEAST 2 INCHES; THE MILLED SURFACE AND THE SIDES SHALL BE COVERED WITH ODOT APPROVED AC LIQUID AND THEN FILLED WITH ASPHALT. PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A SHALL BE USED TO FILL THE RUMBLE STRIPS. PAYMENT FOR ALL WORK ASSOCIATED WITH MILLING, AC LIQUID, TRAFFIC CONTROL AND THE FILLING OF THE RUMBLE STRIPS SHALL BE CONSIDERED INCIDENTAL TO AND INCLUDED WITH ITEM 614 MAINTAINING TRAFFIC, AS PER PLAN.

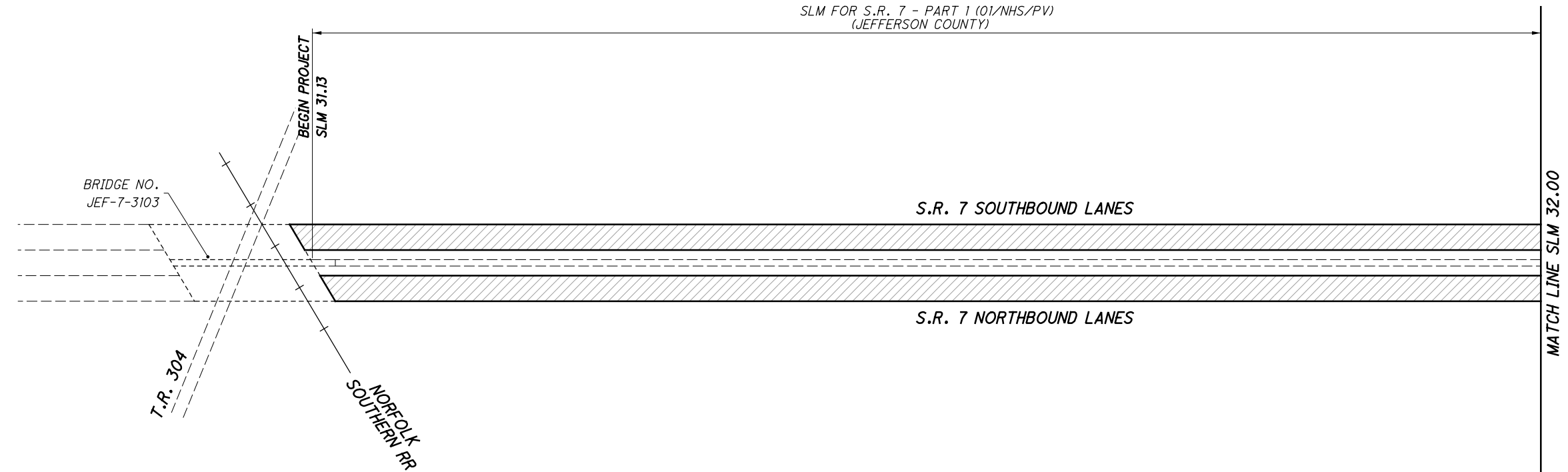
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MAINTENANCE OF TRAFFIC NOTES

JEF / COL-7 -31.13 / 0.00

SLM FOR S.R. 7 - PART 1 (01/NHS/PV)
(JEFFERSON COUNTY)

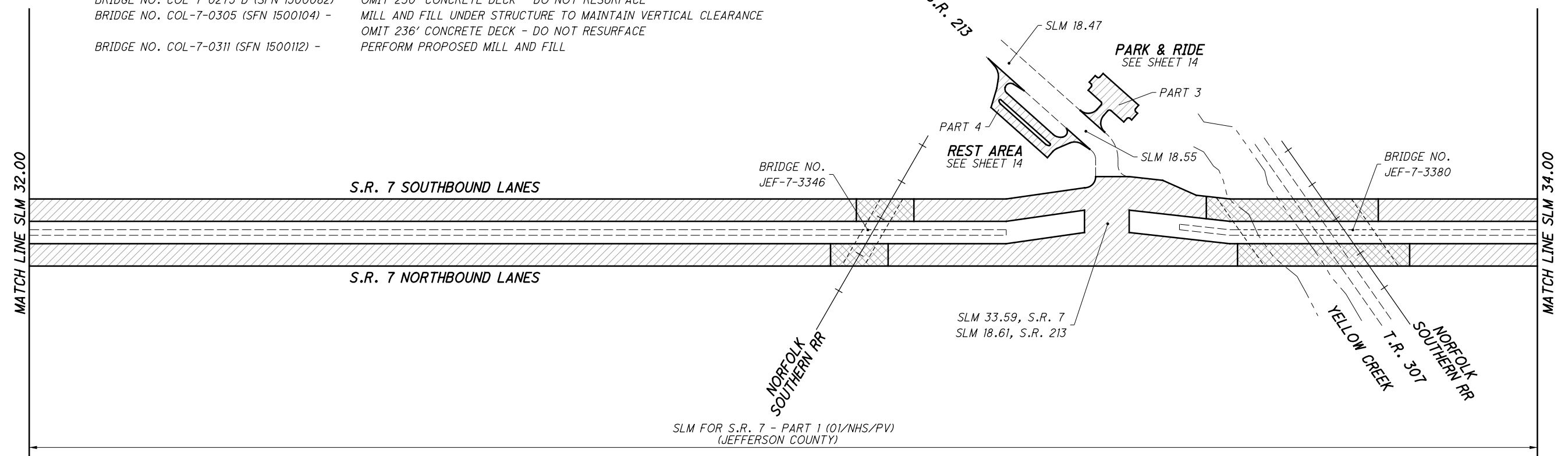


BRIDGE TREATMENT

- | | |
|---|---|
| BRIDGE NO. JEF-7-3103 (SFN 4101596) - | NO WORK |
| BRIDGE NO. JEF-7-3346 (SFN 4101626) - | PROVIDE 3" SURFACE COURSE ACROSS APPROACH SLAB AND CONC. DECK
PROVIDE POLYMER MODIFIED EXPANSION JOINT SYSTEM (SEE SHEET 29) |
| BRIDGE NO. JEF-7-3380 (SFN 4101650) - | PROVIDE 3" SURFACE COURSE ACROSS APPROACH SLAB AND CONC. DECK
PROVIDE POLYMER MODIFIED EXPANSION JOINT SYSTEM (SEE SHEET 30) |
| BRIDGE NO. COL-7-0058 (SFN 1500015) - | MILL AND FILL UNDER STRUCTURE TO MAINTAIN VERTICAL CLEARANCE
OMIT 207' CONCRETE DECK AND APPROACH SLAB - DO NOT RESURFACE |
| BRIDGE NO. COL-7-0127 (SFN 1500023) - | OMIT 149' CONCRETE DECK - DO NOT RESURFACE |
| BRIDGE NO. COL-7-0193 (SFN 1500058) - | OMIT 129' CONCRETE DECK - DO NOT RESURFACE |
| BRIDGE NO. COL-7-0275 (SFN 1500074) - | OMIT 480' CONCRETE DECK AND APPROACH SLAB - DO NOT RESURFACE |
| BRIDGE NO. COL-7-0275 D (SFN 1500082) - | OMIT 230' CONCRETE DECK - DO NOT RESURFACE |
| BRIDGE NO. COL-7-0305 (SFN 1500104) - | MILL AND FILL UNDER STRUCTURE TO MAINTAIN VERTICAL CLEARANCE
OMIT 236' CONCRETE DECK - DO NOT RESURFACE |
| BRIDGE NO. COL-7-0311 (SFN 1500112) - | PERFORM PROPOSED MILL AND FILL |

LEGEND

- ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (INCLUDES MAINLINE AND SHOULDERS)
- 3" SURFACE COURSE ACROSS APPROACH SLAB AND CONC. DECK (FOR FEATHER DETAIL, SEE SHEET 28 AND BP-3.1)
- REPLACE CONCRETE MEDIAN BARRIER (FOR TRANSITION DETAILS, SEE SHEET 31 - 38)

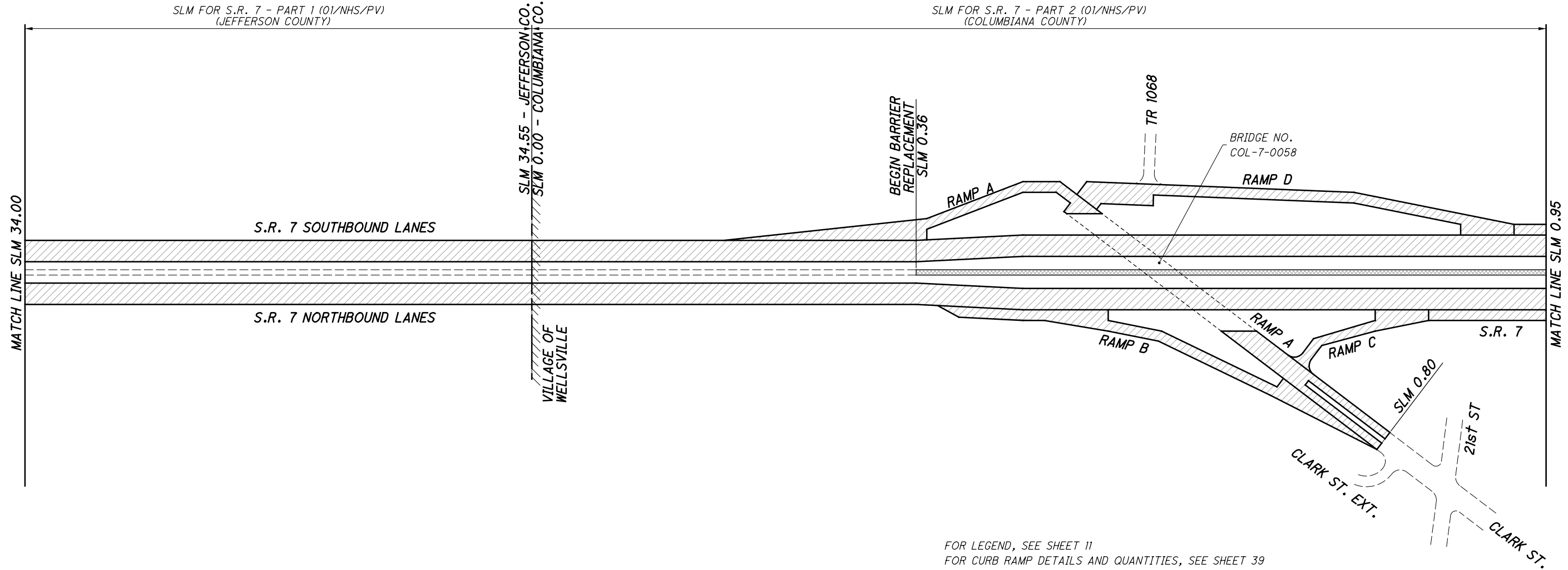


SLM FOR S.R. 7 - PART 1 (01/NHS/PV)
(JEFFERSON COUNTY)

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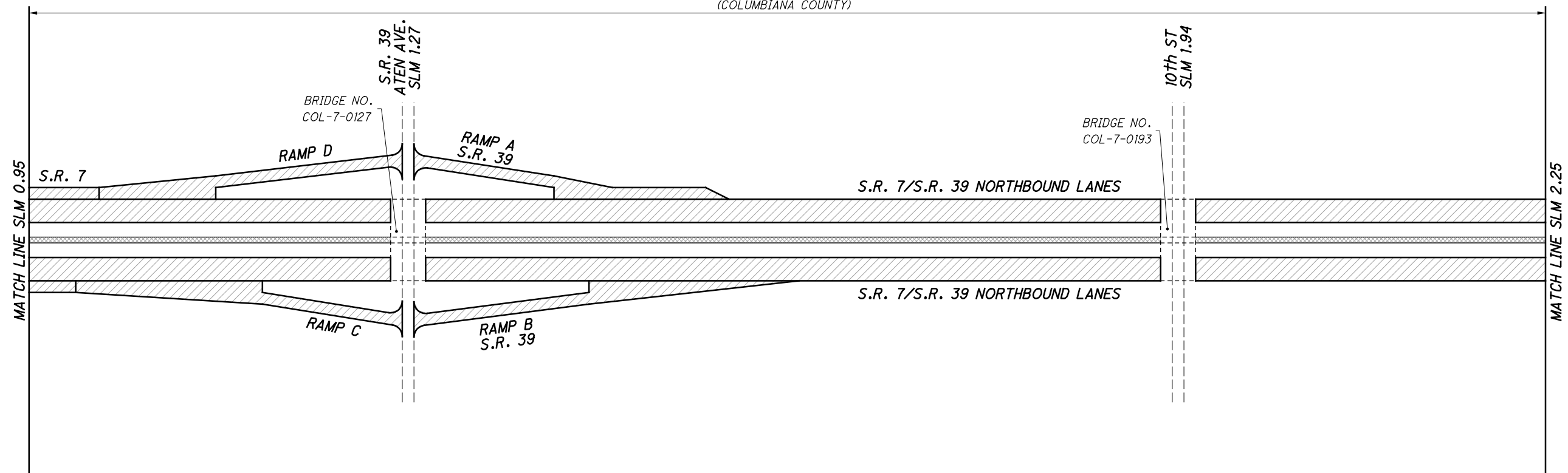
SLM FOR S.R. 7 - PART 1 (01/NHS/PV)
(JEFFERSON COUNTY)

SLM FOR S.R. 7 - PART 2 (01/NHS/PV)
(COLUMBIANA COUNTY)



FOR LEGEND, SEE SHEET 11
FOR CURB RAMP DETAILS AND QUANTITIES, SEE SHEET 39

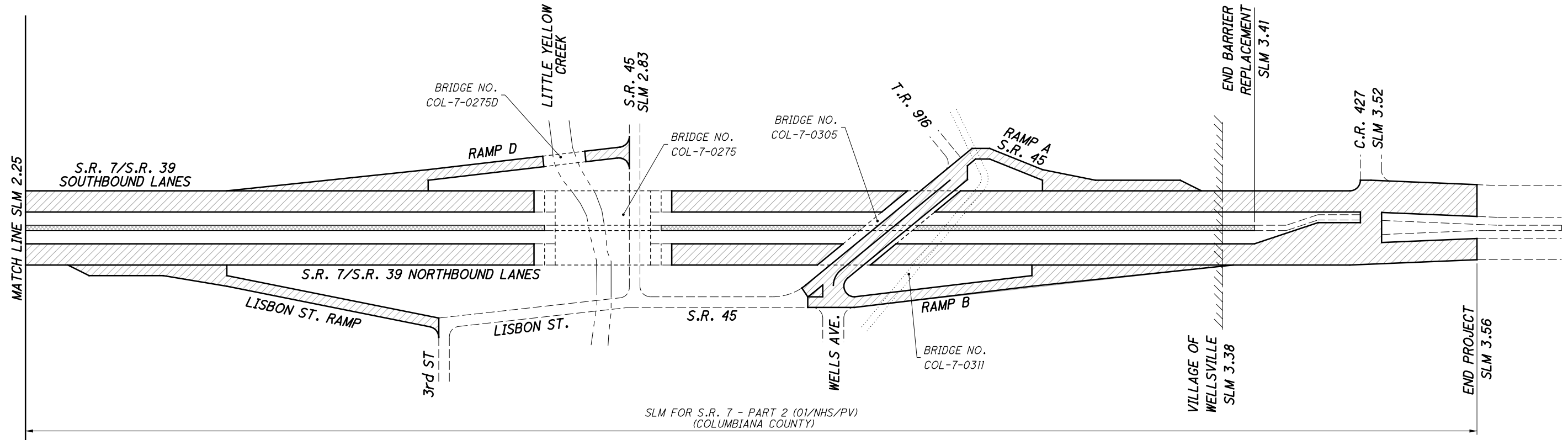
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(COLUMBIANA COUNTY)



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S.R. 7 - PAVEMENT DETAILS

JEF / COL-7-31.13 / 0.00



FOR LEGEND, SEE SHEET 11
FOR CURB RAMP DETAILS AND QUANTITIES, SEE SHEET 39

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S.R. 7 - PAVEMENT DETAILS

JEF / COL-7-31.13 / 0.00