

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

D04-CS-FY2013

PROJECT DESCRIPTION

THIS PROJECT WILL APPLY CRACK SEALING
TO EXISTING PAVEMENT IN MAHONING, PORTAGE,
AND SUMMIT COUNTY.

PROJECT EDA: N/A (MAINTENANCE PROJECT)
ESTIMATED CONTRACTOR EDA: N/A (MAINTENANCE PROJECT)
NOTICE OF INTENT EDA: N/A (MAINTENANCE PROJECT)

2010 SPECIFICATIONS

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

I HEREBY APPROVED THESE PLANS AND DECLARE THAT
THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE
THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT
PROVISIONS FOR THE MAINTENANCE AND SAFETY OF
TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND
ESTIMATES.

NUMBER	COUNTY	ROUTE	SLM	SLM
1	MAH	SR 45	6.54	14.15
2	MAH	SR 14	0.00	7.92
3	MAH	SR 14	7.92	10.00
4	POR	SR 43	0.00	7.76
5	POR	SR 44	0.00	8.37
6	POR	SR 59	3.35	4.93
7	POR	USR 422	0.00	1.93
8	SUM	SR 82	0.00	3.37
9	SUM	SR 303	5.39	10.54

INDEX OF SHEETS:

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MAH-45 MAH-14 POR-43 POR-59 POR-422 POR-44 SUM-82 SUM-303
NHS PROJECT -- NO NO YES YES YES NO NO NO

DESIGN EXCEPTIONS

NONE

UNDERGROUND UTILITIES	
CONTACT BOTH SERVICES CALL TWO WORKING DAYS BEFORE YOU DIG	
	
CALL 1-800-362-2764 (TOLL FREE)	
OHIO UTILITIES PROTECTION SERVICE NON-MEMBERS MUST BE CALLED DIRECTLY	
OIL & GAS PRODUCERS UNDERGROUND PROTECTION SERVICE CALL: 1-800-925-0988	

PLAN PREPARED BY:
ODOT --- DISTRICT 4 PLANNING & ENGINEERING
2088 SOUTH ARLINGTON ROAD
AKRON, OHIO 44306

ENGINEERS SEAL:

SIGNED: *Amal Goza*
DATE: 1/30/2013

STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
	TC-41.20	1/19/01		800	4/19/13
MT-95.30	7/20/12	TC-42.20	1/21/11	821	4/20/12
MT-95.31	7/20/12	TC-52.10	1/19/07		
MT-97.11	7/20/12	TC-52.20	1/19/07		
MT-95.32	7/20/12	TC-72.20	7/20/12		
MT-95.60	7/20/12	TC-73.10	4/20/12		
MT-95.61	7/20/12				
MT-99.20	7/20/12				
MT-105.10	7/20/12				

APPROVED: *[Signature]*
DATE: 1-31-13 DISTRICT DEPUTY DIRECTOR

APPROVED: *[Signature]*
DATE: 2-27-13 DIRECTOR, DEPARTMENT OF
TRANSPORTATION

FEDERAL PROJECT NO.
NONE - FEDERAL

PID NO.
92532

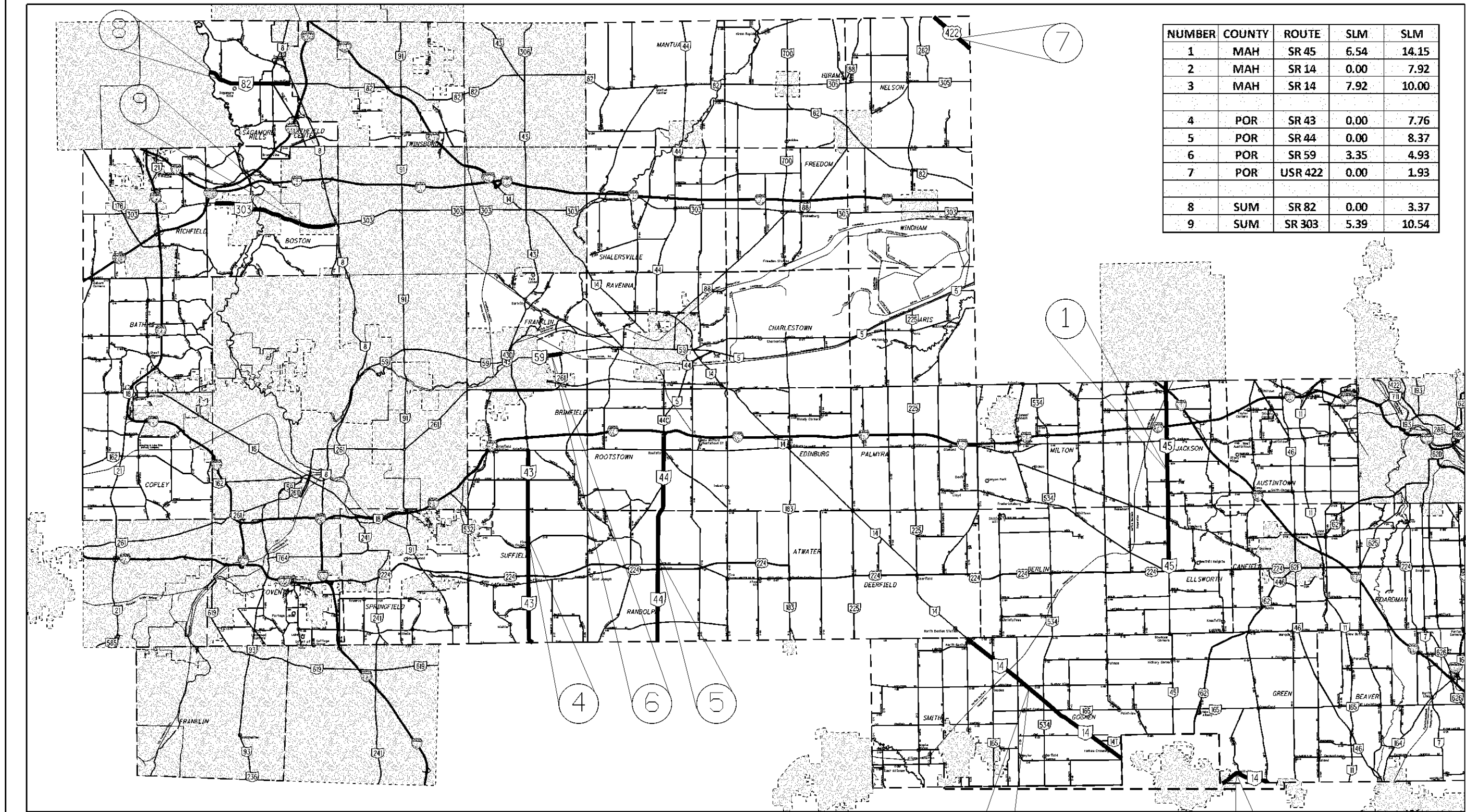
CONSTRUCTION PROJECT NO.

RAILROAD INVOLVEMENT
NONE

D04-CS-FY2013

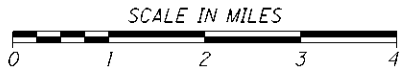
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NUMBER	COUNTY	ROUTE	SLM	SLM
1	MAH	SR 45	6.54	14.15
2	MAH	SR 14	0.00	7.92
3	MAH	SR 14	7.92	10.00
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5	POR	SR 44	0.00	8.37
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8	SUM	SR 82	0.00	3.37
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LATITUDE: N41°08'09" LONGITUDE: W81°11'50"



- PORTION TO BE IMPROVED
- INTERSTATE HIGHWAY
- FEDERAL ROUTES
- STATE ROUTES
- COUNTY & TOWNSHIP ROADS
- OTHER ROADS



CALCULATED
AAG
CHECKED
LMP

LOCATION MAP

D04-CS-FY2013

2
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MAINTENANCE OF TRAFFIC

THIS ITEM SHALL CONSIST OF MAINTENANCE OF TRAFFIC ON EXISTING ROADWAYS AND RAMPS IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, CURRENT EDITION, LATEST REVISION, THE SPECIFICATIONS AND THE FOLLOWING:

1. TWO LANE SECTIONS:
A MINIMUM OF ONE TEN FOOT BIDIRECTIONAL LANE SHALL BE MAINTAINED ON THE EXISTING PAVEMENT OR COMPLETED PAVEMENT DURING CONSTRUCTION OF THE WORK.

THREE OR MORE LANE SECTIONS:
A MINIMUM OF ONE TEN FOOT LANE IN EACH DIRECTION SHALL BE MAINTAINED ON THE EXISTING PAVEMENT OR COMPLETED PAVEMENT DURING CONSTRUCTION OF THE WORK.

2. THE CONTRACTOR SHALL INFORM THE DISTRICT OFFICE (330) 786-2208, EIGHTEEN (18) DAYS PRIOR TO THE BEGINNING OF WORK.

3. CONES SHALL NOT BE ACCEPTABLE TRAFFIC CONTROL DEVICES FOR LANE RESTRICTIONS OR LANE REDUCTIONS THAT ARE IN OPERATION ONE-HALF HOUR AFTER SUNSET OR ONE HALF-HOUR BEFORE SUNRISE. ALL NIGHTTIME LANE RESTRICTIONS SHALL REQUIRE DRUMS OR BARRICADES AT A MAXIMUM SPACING OF FOURTY (40) FEET. WEIGHTED CHANNELIZERS MAY BE USED IN ACCORDANCE WITH THE STANDARD CONSTRUCTION DRAWINGS.

4. LANE RESTRICTIONS OR LANE REDUCTIONS SHALL NOT BE PERMITTED AFTER NORMAL WORKING HOURS. NORMAL WORKING HOURS SHALL BE THOSE HOURS DURING WHICH THE CONTRACTOR HAS A FULL COMPLEMENT OF EMPLOYEES AND EQUIPMENT ACTIVELY CRACK SEALING.

5. THE CONTRACTOR SHALL FURNISH, ERECT, MAINTAIN AND SUBSEQUENTLY REMOVE ALL FLAGS, BARRICADES, SIGNS, SIGN SUPPORTS AND FURNISH AND MAINTAIN ALL FLAGGERS, WATCHERS AND INCIDENTALS RELATED THERETO.

6. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR BE PERMITTED TO HAVE SUCCESSIVE WORK ZONES UNLESS THE DISTANCE BETWEEN THE DRUMS, BARRICADES OR CONES EXCEEDS TWO (2) MILES RURAL OR ONE (1) MILE URBAN.

7. TRUCK MOUNTED ATTENUATORS [TMA'S] SHALL BE USED AS SHOWN IN THE STANDARD CONSTRUCTION DRAWINGS.

WORK ZONE MARKINGS AND SIGNS

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AT LOCATIONS IDENTIFIED BY THE ENGINEER FOR WORK ZONE PAVEMENT MARKINGS AND SIGNS PER THE REQUIREMENTS OF CMS 614.04 AND 614.11.

614, WORK ZONE MARKING SIGNS,	54 EACH
614, WORK ZONE EDGE LINE, CLASS III, 642 PAINT	12 MILE
614, WORK ZONE CENTER LINE, CLASS III, 642 PAINT	6 MILE
614, WORK ZONE LANE LINE, CLASS III, 642 PAINT	6 MILE

WINTER TRAFFIC LIMITATIONS

ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC BETWEEN NOVEMBER 15 AND APRIL 1. NOVEMBER 14 SHALL BE CONSIDERED TO CONSTITUTE AN INTERIM COMPLETION DATE AND DISINCENTIVES OF \$750 SHALL BE ASSESSED FOR EACH CALENDAR DAY THAT THE ROADWAY REMAINS CLOSED TO TRAFFIC BEYOND THE SPECIFIED LIMIT. THE CONTRACTOR MAY CLOSE LANES PRIOR TO APRIL 1 WITH WRITTEN APPROVAL FROM THE DISTRICT CONSTRUCTION ENGINEER.

TRAFFIC CONTROL INSPECTOR

THE CONTRACTOR SHALL DESIGNATE AN INDIVIDUAL OTHER THAN THE SUPERINTENDENT AND SUBJECT TO THE APPROVAL OF THE ENGINEER, TO CONTINUOUSLY INSPECT ALL TRAFFIC CONTROL DEVICES WHENEVER CONSTRUCTION WORK IS BEING PERFORMED WITHIN THE WORK LIMITS OF THE PROJECT. THE DESIGNATED INDIVIDUAL SHALL ALSO INSPECT ALL TRAFFIC DEVICES AT THE BEGINNING AND AT THE END OF EACH WORK DAY. THE DESIGNATED INDIVIDUAL OR A QUALIFIED REPRESENTATIVE SHALL ALSO BE AVAILABLE ON AN AROUND THE CLOCK BASIS TO REPAIR AND/OR REPLACE DAMAGED OR MISSING TRAFFIC CONTROL DEVICES. THESE INDIVIDUALS SHALL BE EQUIPPED WITH CELLULAR PHONES AND THEIR NAMES AND PHONE NUMBERS SHALL BE GIVEN TO THE PROJECT ENGINEER AT THE PRE-CONSTRUCTION MEETING. THE DESIGNATED INDIVIDUAL MAY HAVE OTHER CONSTRUCTION RELATED DUTIES AS LONG AS IMMEDIATE ATTENTION IS GIVEN TO TRAFFIC CONTROL. PAYMENT FOR THE SERVICES OF THE TRAFFIC CONTROL INSPECTOR SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614 MAINTAINING TRAFFIC.

CONTRACTOR'S EQUIPMENT - OPERATION AND STORAGE

A QUALIFIED FLAGGER SHALL BE EMPLOYED WHERE THE CONTRACTOR'S EQUIPMENT MUST MERGE WITH THE TRAFFIC STREAM. THE CONTRACTOR'S EQUIPMENT SHALL BE EQUIPPED WITH AT LEAST ONE AMBER FLASHING LIGHT. PAVERS, ROLLERS AND OTHER EQUIPMENT MAY BE PARKED IN AREAS ALONG THE HIGHWAY WHEN PAVING OPERATIONS ARE SCHEDULED TO CONTINUE WITHIN THE NEXT WORKDAY. OTHERWISE THE EQUIPMENT SHALL BE STORED AT A STORAGE AREA OUTSIDE THE R/W, THE LOCATION OF WHICH SHALL HAVE PRIOR APPROVAL OF THE ENGINEER. WHEN PARKING ALONG THE HIGHWAY THE EQUIPMENT SHALL BE PLACED AND DELINEATED AS PER 614.03. NO EQUIPMENT SHALL BE PARKED IN THE MEDIAN OF THE HIGHWAY. ADEQUATE BARRICADES AND LIGHTS SHALL BE PLACED ON THE PAVEMENT SIDE OF THE EQUIPMENT TO IDENTIFY THE LIMITS OF THE EQUIPMENT. ALL OTHER EQUIPMENT, INCLUDING PRIVATE VEHICLES, SHALL BE STORED AT THE APPROVED CONTRACTOR'S STORAGE AREA. NO EQUIPMENT SHALL BE PARKED ON PRIVATE PROPERTY UNLESS PRIOR APPROVAL OF THE OWNER AND THE PROJECT ENGINEER/ SUPERVISOR HAS BEEN GRANTED.

ITEM 614, MAINTAINING TRAFFIC (LANES OPEN DURING HOLIDAYS OR SPECIAL EVENTS)

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

CHRISTMAS	FOURTH OF JULY
NEW YEARS	LABOR DAY
MEMORIAL DAY	THANKSGIVING
(OTHER HOLIDAY OR EVENT)	

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN 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 HOLIDAY OR EVENT	TIME ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00 AM TUESDAY
TUESDAY	12:00N MONDAY THROUGH 6:00 AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00 AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY
THURSDAY	(THANKSGIVING ONLY) 12:00N WEDNESDAY THROUGH 6:00 AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00 AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY

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.

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT OF \$3000 FOR EACH HOUR THE ABOVE DESCRIBED LANE CLOSURE RESTRICTIONS ARE VIOLATED.

PAVEMENT MARKINGS

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER TO REPLACE PAVEMENT MARKINGS OBSCURED BY THE CRACK SEALING OPERATION.

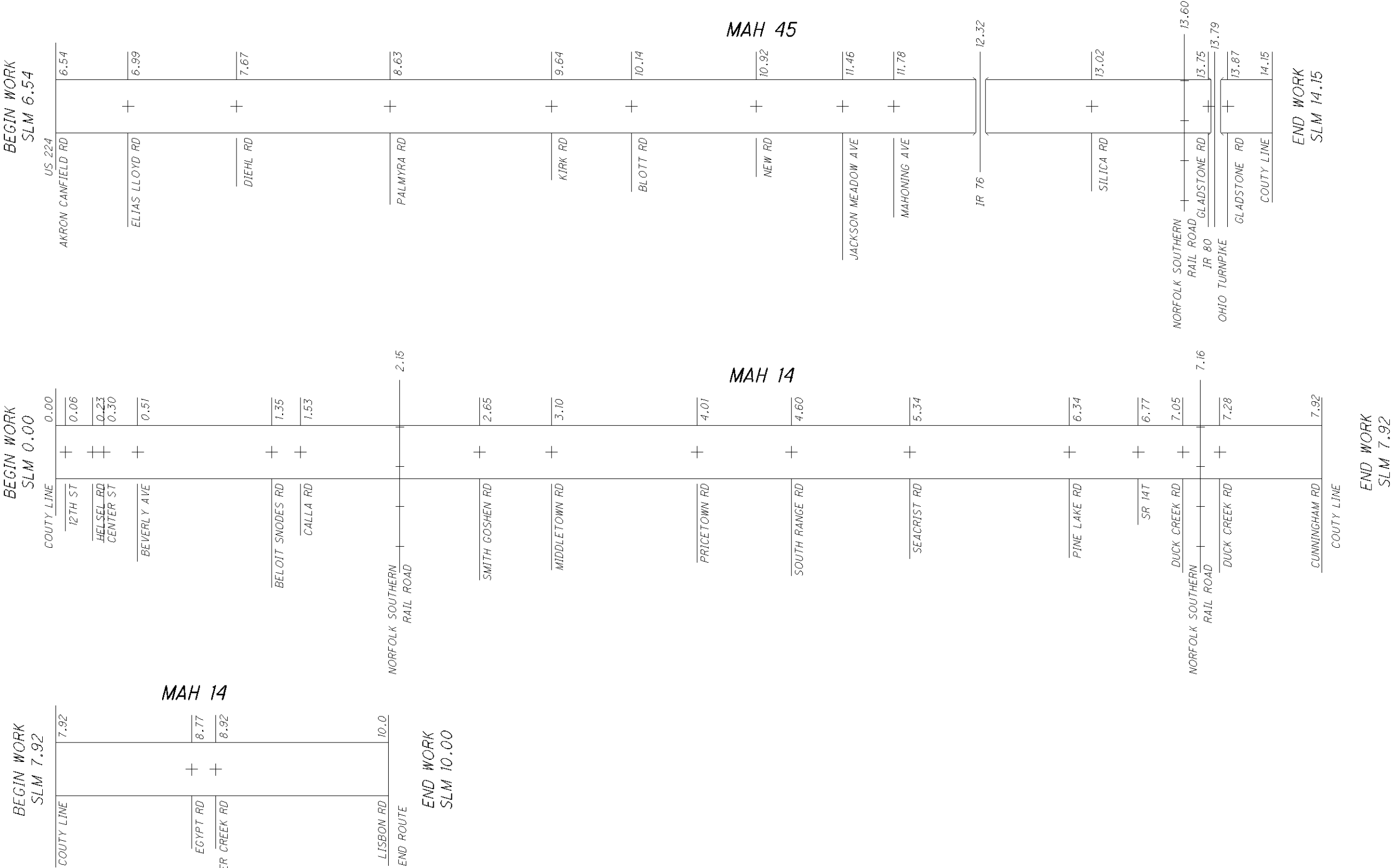
642 EDGE LINE, 4", TYPE 1	12 MILE
642 LANE LINE, 4", TYPE 1	6 MILE
642 CENTER LINE, TYPE 1	6 MILE

ITEM 423 - CRACK SEALING, MISC.: TYPE IV

THE CRACK SEALING SHALL INCLUDE LANES, SHOULDERS, AND TURNING LANES AND SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF CMS 423 EXCEPT PAYMENT WILL BE MADE AT THE CONTRACT UNIT BID PRICE PER SQUARE YARD.

EXAMPLE: ONE 12' WIDE LANE A MILE LONG = 7040 SY

SUBSUMMARY



COUNTY	ROUTE	LOCATION		MILES	AVERAGE PAVEMENT WIDTH (FT)	ITEM 423-CRACK SEALING, MISC.: TYPE IV
		FROM	TO			TOTAL SQUARE YARDS
MAH	SR 45	6.54	14.15	7.61	32.00	142866
MAH	SR 14	0.00	7.92	7.92	36.00	167271
MAH	SR 14	7.92	10.00	2.08	36.00	43930
TOTAL CARRIED TO GENERAL SUMMARY						354067

COUNTY	ROUTE	LOCATION		MILES	AVERAGE PAVEMENT WIDTH (FT)	ITEM 423-CRACK SEALING, MISC.: TYPE IV
		FROM	TO			TOTAL SQUARE YARDS
POR	SR 43	0.00	7.76	7.76	32.00	145682
POR	SR 44	0.00	8.37	8.37	34.00	166954
POR	SR 59	3.35	4.93	1.58	56.00	51909
POR	USR 422	0.00	1.93	1.93	44.00	49820
TOTAL CARRIED TO GENERAL SUMMARY						414365

BEGIN WORK		CORP LIMIT		3.35	
ALPHA DR L		+		3.40	
ASHTON LN L - RHODES RD R		+		3.47	
WHISPERING PINES MHP L		+		3.65	
SR-261 R		+		3.80	
RAILRD OVER - CSX		+		4.08	
ERIE ST L		+		4.30	
POWDER MILL RD - COX AVE L		+		4.42	
PEBBLEBROOK LN R		+		4.71	
PEBBLEBROOK APARTMENTS R		+		4.80	
APPLE BLOSSOM DR L				4.93	
END WORK				4.93	
SLM 3.35				SLM 4.93	

BEGIN WORK SLM 0.00		COUTY LINE		0.00	
LAUBERT RD		+		0.76	
T01620 TR 1620 R		+		1.58	
EBERLY RD		+		2.05	
ALEXANDER RD		+		2.60	
SR-224		=		2.89	
SR-224		+		2.90	
WATERLOO RD		+		3.09	
JOHN ST R		+		3.32	
FAIRGROUND RD R		+		3.78	
SPRING LAKES BLVD L		+		4.52	
BASSETT RD		+		4.85	
WILKES RD R		+		5.26	
HARTVILLE RD L		+		6.31	
BOWER RD L		++		6.89	
PLETZER BOR		++		6.97	
KARRY RD L		+		7.24	
TALLMADGE RD		+		7.72	
AUGUST AVE L		=		8.28	
FROM SR 44		=		8.37	
I-76				8.37	
END WORK SLM 8.37					

COUNTY LINE		0.00
MANNING RD L	+	0.64
LAURA LN R	+	0.78
SWARTZ RD R	+	0.97
WINGFOOT LAKE RD L	+	1.39
SUFFIELD OAKS LN R	++	1.83
T01183 TR 1183 L	++	1.87
WATERLOO RD	+	2.46
US 224	++	2.73
ETTER RD L	++	2.75
TRARES RD	++	3.87
RANDOLPH RD	++	3.94
SAXE RD	+	5.38
SOUIRES DR L	+	5.58
CHEROKEE PARK CAMPGROU RD R	+	5.87
DORALEE DR L	+	5.88
OVERLOOK AVE L	++	6.15
SUNVIEW DR L	++	6.19
HILL TOP RD R	++	6.22
SUNVIEW DR L	+	6.45
OLD FORGE RD	+	6.58
HIGHPOINT ST R	+	6.79
ARCADIA RD R	++	7.10
DUSSEL RD L	++	7.15
TALLMADGE RD		7.76

BEGIN WORK

SLM 0.00

END WORK

SLM 7.76

POR 43

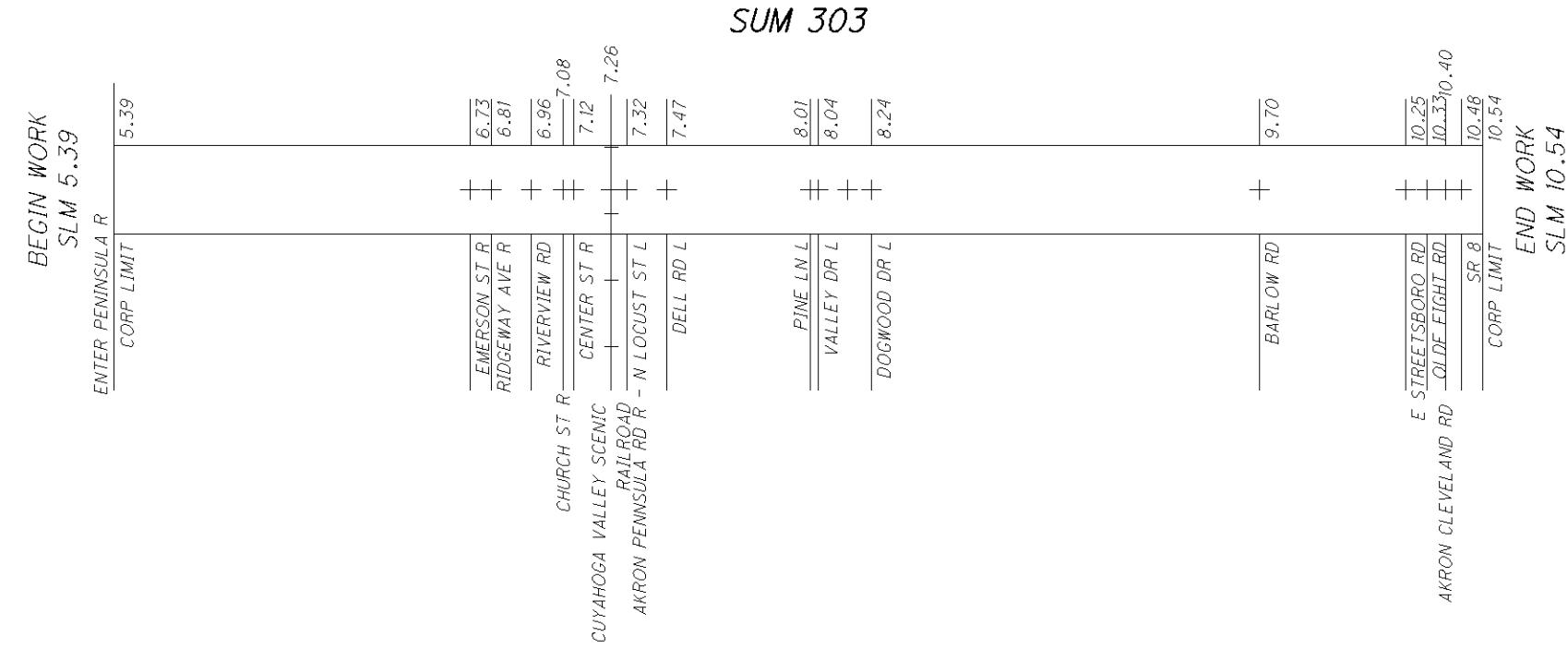
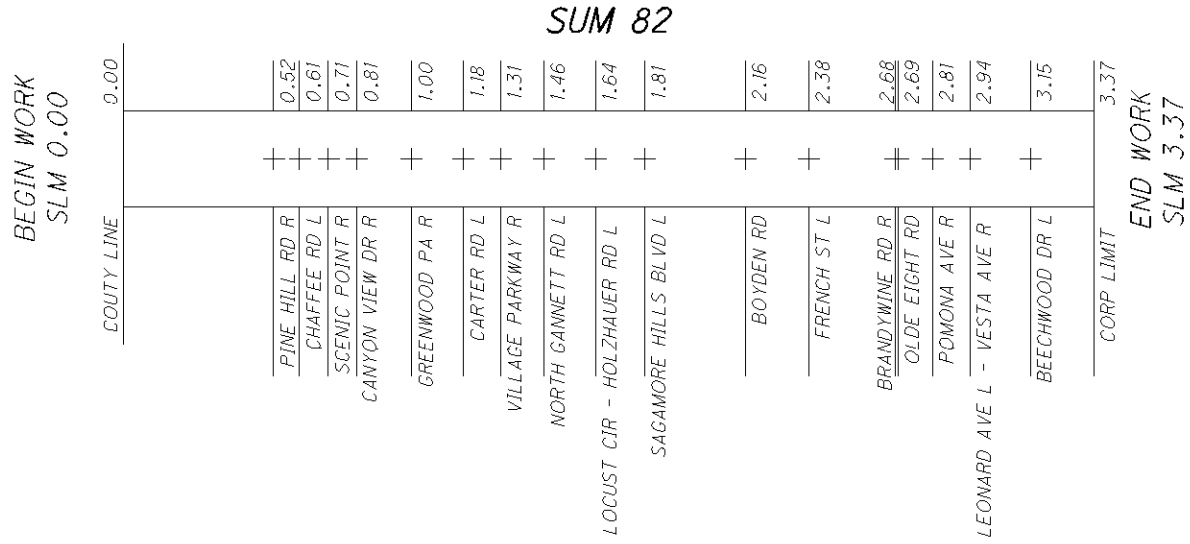
POR 43

POR 43

POR 44

POR 422

POR 59



COUNTY	ROUTE	LOCATION		MILES	AVERAGE PAVEMENT WIDTH (FT)	ITEM 423-CRACK SEALING, MISC.: TYPE IV
		FROM	TO			TOTAL SQUARE YARDS
SUM	SR 82	0.00	3.37	3.37	32.00	63267
SUM	SR 303	5.39	10.54	5.15	32.00	96683
TOTAL CARRIED TO GENERAL SUMMARY						159950