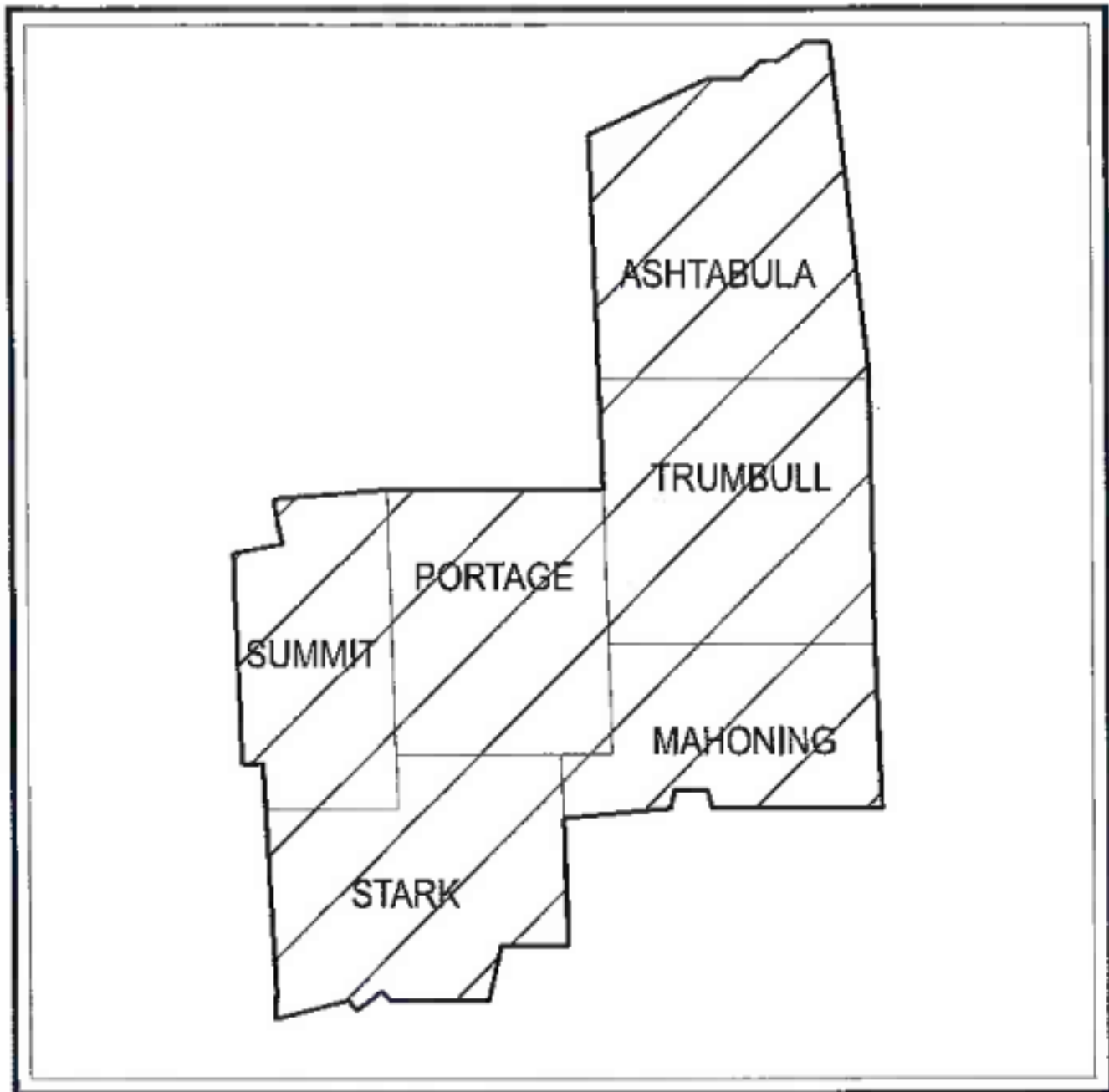


D04 - CS FY2021
210183 PID - 111632
Dist 4 3/11/2021

Contract Proposal available @
www.contracts.dot.state.oh.us

NOTICES-ELR-YL2



SEE SHEETS 2-8 FOR LOCATION MAP

LATITUDE: 41°00'57" LONGITUDE: 81°29'30"



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

DESIGN DESIGNATION

NHS PROJECT ----- YES / NO

DESIGN EXCEPTIONS

NONE

ADA DESIGN WAIVERS

N/A

UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig

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

PLAN PREPARED BY:
ODOT DISTRICT 4 - CAPITAL PLANNING
2088 S. ARLINGTON RD
AKRON, OH 44306

ENGINEER'S SEAL:



SIGNED: *Mark J. Andrasik*
DATE: 11/30/20

INDEX OF SHEETS:

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STATE OF OHIO DEPARTMENT OF TRANSPORTATION

D04-CS-FY2021

VARIOUS CITIES, VILLAGES, AND TOWNSHIPS
ASHTABULA, MAHONING, PORTAGE, STARK,
SUMMIT, AND TRUMBULL COUNTIES

FEDERAL PROJECT NUMBER

NON-FEDERAL PROJECT

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

CRACK SEALING VARIOUS ROUTES THROUGHOUT DISTRICT 4

EARTH DISTURBED AREAS

PROJECT EDA:	N/A (MAINTENANCE PROJECT)
ESTIMATED CONTRACTOR EDA:	0.25 ACRES
NOTICE OF INTENT EDA:	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.

STANDARD CONSTRUCTION DRAWINGS						SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
MT-95.30	7/19/19	MT-101.60	1/17/20			800-2020 1/15/21	
MT-95.31	7/19/19	MT-105.10	1/17/20			821 4/20/12	
MT-95.32	4/19/19					921 4/20/12	
MT-95.60	4/19/19	TC-41.20	10/18/13				
MT-95.61	4/19/19	TC-42.20	10/18/13				
MT-97.10	4/19/19	TC-52.10	10/18/13				
MT-97.11	1/20/17	TC-52.20	7/20/18				
MT-97.20	4/19/19	TC-71.10	1/19/18				
MT-98.10	1/17/20	TC-72.20	7/20/18				
MT-98.11	1/17/20						
MT-98.20	4/19/19						
MT-98.22	1/17/20						
MT-98.28	1/17/20						
MT-98.29	1/17/20						
MT-98.30	7/19/19						
MT-99.20	4/19/19						

APPROVED *[Signature]* Digitally signed by Tom Pannett
DATE 11/30/2020 DISTRICT DEPUTY DIRECTOR
APPROVED *[Signature]* Date: 2021.01.29
DATE DIRECTOR, DEPARTMENT OF TRANSPORTATION 09:15:49-05'00'

TITLE SHEET

DESIGN AGENCY



DESIGNER

MJP

REVIEWER

MJA MM-DD-YY

PROJECT ID

111632

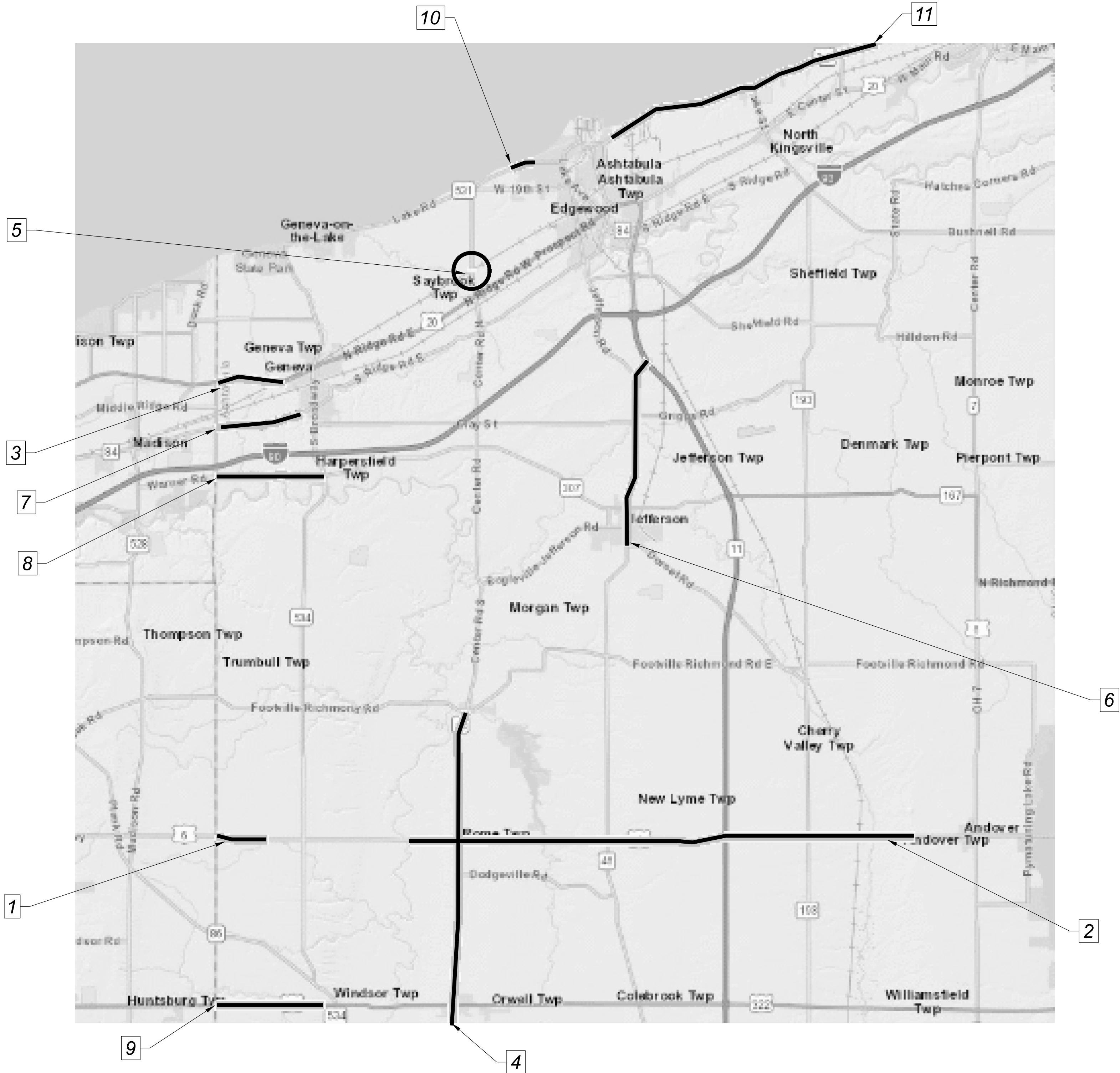
SHEET

P.1

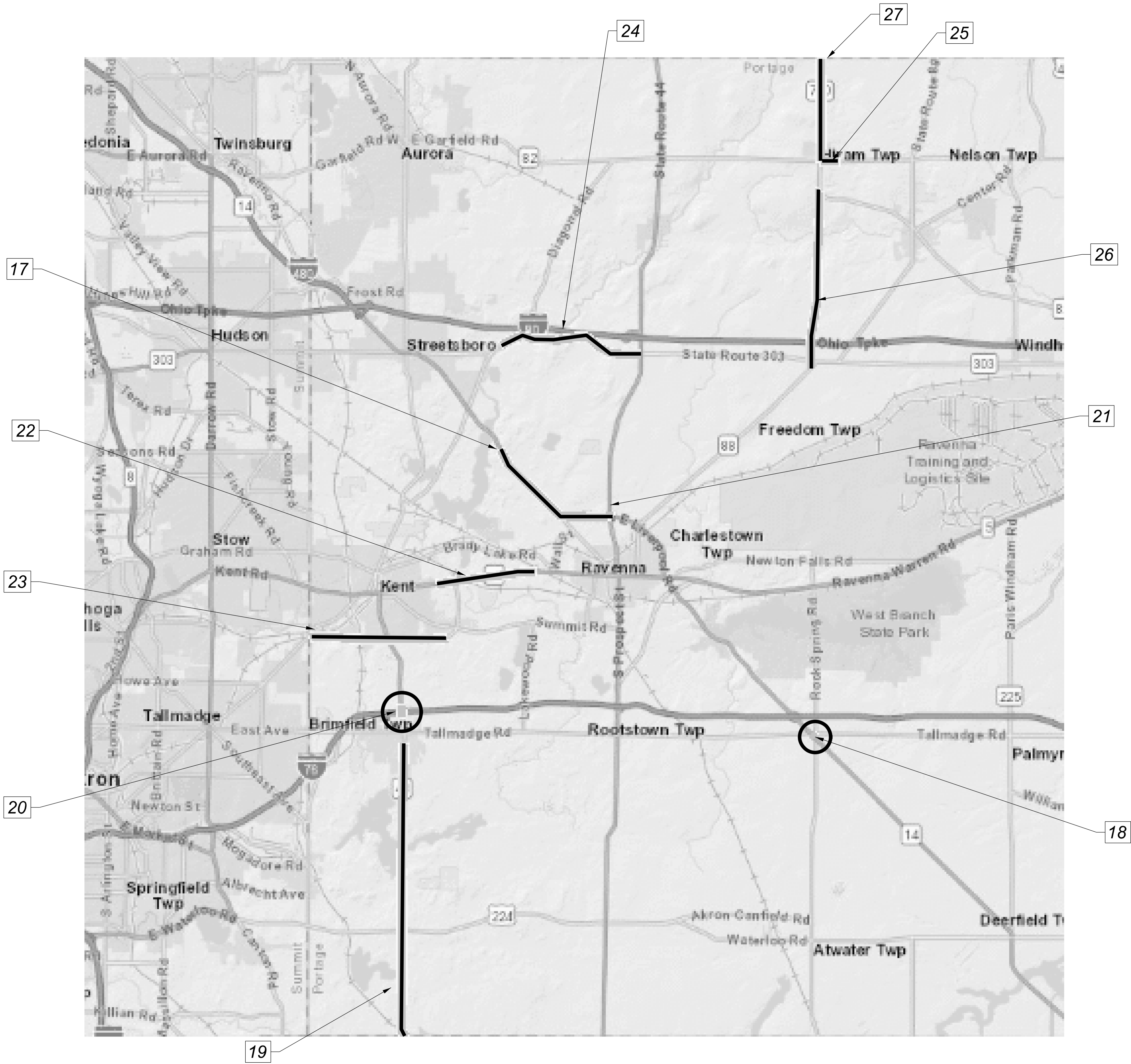
TOTAL 21

CRACK SEAL LOCATIONS											
Number	County	Route	From SLM	To SLM	Comments	Number	County	Route	From SLM	To SLM	Comments
1	ATB	6	0.00	1.54		24	POR	303	4.98	8.72	
2	ATB	6	5.75	20.61		25	POR	305	0.00	0.48	
3	ATB	20	0.00	2.00		26	POR	700	0.00	4.54	
4	ATB	45	1.87	11.06		27	POR	700	5.26	7.89	
5	ATB	45	24.07	24.11		28	STA	297	0.00	0.66	
6	ATB	46	16.38	22.02		29	STA	619	3.79	4.10	
7	ATB	84	0.00	2.61		30	SUM	8	14.35 (BOSTON MILLS RD RAMPS)		SR 8 NB TO BOSTON MILLS BOSTON MILLS TO SR 8 SB
8	ATB	307	0.00	3.22							
9	ATB	322	0.00	6.66		31	SUM	18	0.00	4.88	
10	ATB	531	6.86	7.54		32	SUM	21 NB	8.36	9.76	
11	ATB	531	10.27	18.69		32	SUM	21 SB	8.36	9.50	
12	MAH	46	0.00	8.64		33	SUM	77	21.99	24.20	
13	MAH	46	12.03	16.43		34	SUM	91	0.30	1.40	
14					NOT USED	35	SUM	91	1.80	2.54	
15	MAH	165	24.61	25.95		36	SUM	271	6.62	8.54	
16	MAH	534	4.48	16.31		37	SUM	532	0.00	3.54	
17	POR	14	6.66	10.15		38	TRU	7	5.66	8.75	
18	POR	14	18.06	18.20		39	TRU	11	3.74	7.68	
19	POR	43	0.00	7.51		40	TRU	46	7.08	13.39	
20	POR	43	8.15	8.50		41	TRU	82	1.63	5.28	
21	POR	44	14.86	15.03		42	TRU	82	17.36	22.75	
22	POR	59	3.33	5.87		43	TRU	305	1.57	2.45	
23	POR	261	0.00	3.51							



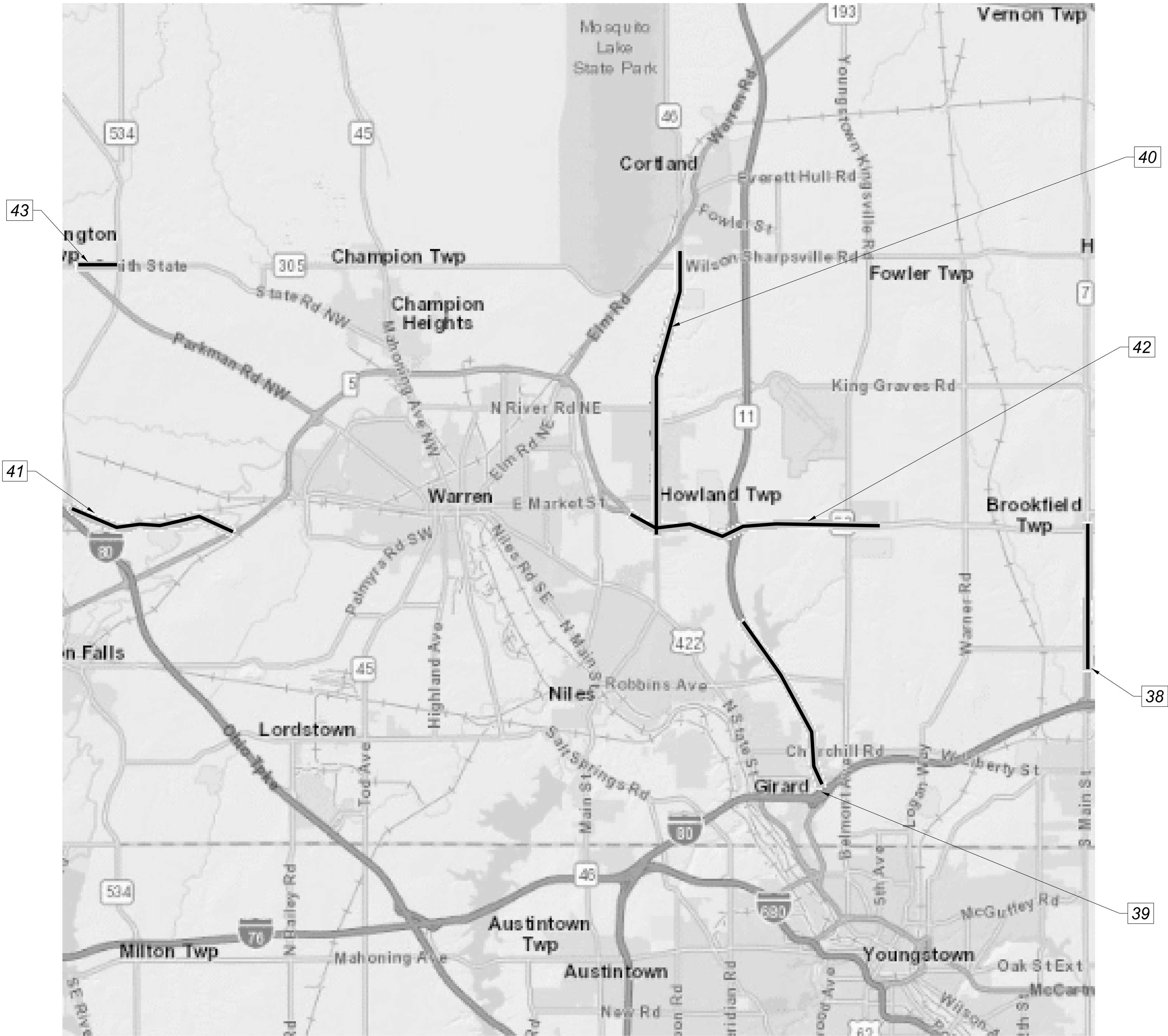












LOCATION MAP - TRU

DESIGN AGENCY



DESIGNER
MJP

REVIEWER
MJA 11-9-20

PROJECT ID
111632

SHEET	TOTAL
P.8	21

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, 6", TYPE 1A	5.0 MILE
642 LANE LINE, 4", TYPE 1A	5.0 MILE
642 LANE LINE, 6", TYPE 1A	5.0 MILE
642 CENTER LINE, TYPE 1A	5.0 MILE
642, CHANNELIZING LINE, 8", TYPE 1A	100 FT
642, CHANNELIZING LINE, 12", TYPE 1A	100 FT
642, STOP LINE, TYPE 1A	100 FT
642, DOTTED LINE, 6", TYPE 1A	100 FT

ITEM 423 - CRACK SEALING, TYPE IV

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

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

THE ESTIMATED QUANTITIES CARRIED TO THE GENERAL SUMMARY HAVE BEEN CALCULATED BASED UPON EXISTING PLANS. QUANTITIES TO BE PAID WILL BE DETERMINED FROM ACTUAL FINAL FIELD MEASUREMENTS SUBJECT TO THE ENGINEER APPROVAL.

RAILROAD CROSSINGS

THE CONTRACTOR SHALL STAY OFF OF THE RIGHT-OF-WAY OF ANY RAILROADS THAT INTERSECT ROUTE SEGMENTS INCLUDED WITHIN THE WORK LOCATIONS OF THIS PROJECT. NO WORK SHALL BE PERFORMED ON ANY RAILROAD RIGHT-OF-WAY.

GENERAL NOTES



DESIGN AGENCY

DESIGNER
MJP

REVIEWER
MJA 11-9-20

PROJECT ID
111632

SHEET	TOTAL
P.9	21

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. THREE OR LESS 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.

FOUR 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. 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 REMOVING AND/OR PLACING PAVEMENT MATERIALS.

4. 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.

5. 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.

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

7. ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 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, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

DETOUR NOTIFICATION [ODOT]

THE CONTRACTOR SHALL ADVISE THE ODOT DISTRICT OFFICE (330-786-3148) EIGHTEEN (18) DAYS IN ADVANCE OF WHEN THE DETOUR ROUTE SHOULD BE IN EFFECT. ALL WORK ZONE DEVICES REQUIRED SHALL BE FURNISHED, ERECTED, MAINTAINED, AND SUBSEQUENTLY REMOVED BY THE CONTRACTOR. PAYMENT FOR ALL WORK ASSOCIATED WITH THE DETOUR SHALL BE INCLUDED UNDER THE LUMP SUM BID FOR ITEM 614, DETOUR SIGNING.

DETOUR NOTIFICATION [SUMMIT COUNTY]

THE CONTRACTOR SHALL ADVISE THE ODOT DISTRICT OFFICE (330-786-3148) AND SUMMIT COUNTY (330-643-2850) EIGHTEEN (18) DAYS IN ADVANCE OF WHEN THE DETOUR ROUTE SHOULD BE IN EFFECT. ALL WORK ZONE DEVICES REQUIRED SHALL BE FURNISHED, ERECTED, MAINTAINED, AND SUBSEQUENTLY REMOVED BY THE CONTRACTOR. PAYMENT FOR ALL WORK ASSOCIATED WITH THE DETOUR SHALL BE INCLUDED UNDER THE LUMP SUM BID FOR ITEM 614, DETOUR SIGNING.

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.

WORK ZONE SIGNS

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AT THE LOCATIONS IDENTIFIED BY THE ENGINEER FOR WORK ZONE SIGNS PER THE REQUIREMENTS OF CMS 614.04.

614, WORK ZONE MARKING SIGNS, 40 EACH

COOPERATION BETWEEN CONTRACTORS

THE CONTRACTOR SHALL BE ADVISED THAT THE FOLLOWING PROJECTS MAY BE ONGOING IN AN AREA IMMEDIATELY ADJACENT TO AND WITHIN THE PROJECT LIMITS OF THIS PROJECT.

D12-PM-FY2021 (PID: 103300)
ATB-CULVERTS-FY2021 (PID: 106804)
LAK-20-28.01 (PID: 99677)
D04-BH-FY2021(EAST) (PID: 101379)
MAH-MAHONING AVE(CR-18) (PID: 104657)
MAH-170-0.78/VAR (PID: 98413)
POR-PM-FY2021 (PID: 112261)
D04-SP-FY2021 (WEST) (PID: 111620)
POR-5/44-00.55/VAR (PID: 100957)
POR/TRU-MCRO-FY2021(A) (PID: 96560)
POR-CHIP-FY2020 (PID: 100693)
SUM-18-4.91/7.98 (PID: 101264)
SUM/WAY-21/585-0.00/VAR (PID: 94123)
D04-ITSMMAINT-FY2021 (PID: 113833)
SUM-224/91/CANTON RD (PID: 89113)
STA/SUM-SIGNS-FY2021 (PID: 103277)
SUM-8-7.60 (PID: 76721)
TRU-82-22.74 (PID: 84660)
TRU-CULVERTS-FY2021 (PID: 96551)
POR/TRU-305-534-5.65/VAR (PID: 110676)

THE CONTRACTOR SHALL SCHEDULE HIS WORK SO AS TO CAUSE A MINIMUM OF DELAY OR CONFLICT WITH THE OTHER PROJECTS. IN ACCORDANCE WITH 105.08, THE CONTRACTOR SHALL ARRANGE WITH THE OTHER CONTRACTORS APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL RECEIVE DAILY APPROVALS FROM THE ENGINEER PRIOR TO COMMENCING ANY OPERATIONS. ANY CONFLICT BETWEEN CONTRACTORS INVOLVING WORK SCHEDULES, WORK AREA, OR COOPERATION SHALL BE RESOLVED BY THE ENGINEER. COMPENSATION FOR THE ABOVE COOPERATION SHALL BE INCIDENTAL TO THE VARIOUS PAY ITEMS INCLUDED WITHIN THIS PROJECT.

DETOUR NOTIFICATION [VILLAGE OF BOSTON HEIGHTS]

THE CONTRACTOR SHALL ADVISE THE ODOT DISTRICT OFFICE (330-786-3148) AND BOSTON HEIGHTS (330-650-4111) EIGHTEEN (18) DAYS IN ADVANCE OF WHEN THE DETOUR ROUTE SHOULD BE IN EFFECT. ALL WORK ZONE DEVICES REQUIRED SHALL BE FURNISHED, ERECTED, MAINTAINED, AND SUBSEQUENTLY REMOVED BY THE CONTRACTOR. PAYMENT FOR ALL WORK ASSOCIATED WITH THE DETOUR SHALL BE INCLUDED UNDER THE LUMP SUM BID FOR ITEM 614, DETOUR SIGNING.

ITEM 614 - LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS

USE OF LAW ENFORCEMENT OFFICERS (LEOS) BY CONTRACTORS OTHER THAN THE USES SPECIFIED BELOW WILL NOT BE PERMITTED AT PROJECT COST. LEOS SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENTS OF CMS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHALL BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS:

DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.

DURING A TRAFFIC SIGNAL INSTALLATION WHEN IMPACTING THE NORMAL FUNCTION OF THE SIGNAL OR THE FLOW OF TRAFFIC OR WHEN TRAFFIC NEEDS TO BE DIRECTED THROUGH AN ENERGIZED TRAFFIC SIGNAL CONTRARY TO THE SIGNAL DISPLAY (E.G., DIRECTING MOTORISTS THROUGH A RED LIGHT).

FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP).

LEOS SHOULD NOT FORGO THEIR TRAFFIC CONTROL RESPONSIBILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC VIOLATIONS. HOWEVER, IF A MOTORIST'S ACTIONS ARE CONSIDERED TO BE RECKLESS, THEN PURSUIT OF THE MOTORIST IS APPROPRIATE.

IN GENERAL LEOS SHOULD BE POSITIONED IN ADVANCE OF AND ON THE SAME SIDE AS THE LANE RESTRICTION OR AT THE POINT OF ROAD CLOSURE, AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH SIGNALIZED INTERSECTIONS IN WORK ZONE.

THE LEOS WORK AT THE DIRECTION OF THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF THE LEOS WITH THE APPROPRIATE AGENCIES AND COMMUNICATING THE INTENTIONS OF THE PLANS WITH RESPECT TO DUTIES OF THE LEOS. THE ENGINEER SHALL HAVE FINAL CONTROL OVER THE LEOS' DUTIES AND PLACEMENT, AND WILL RESOLVE ANY ISSUES THAT MAY ARISE BETWEEN THE TWO PARTIES.

THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT. ONCE THE LEO HAS COMPLETED THE DUTIES DESCRIBED ABOVE AND STILL HAS TIME REMAINING ON HIS/HER SHIFT, THE LEO MAY BE ASKED TO PATROL THROUGH THE WORK ZONE (WITH FLASHING LIGHTS OFF) OR BE PLACED AT A LOCATION TO DETER MOTORISTS FROM SPEEDING. SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE LEO WITH A TWO-WAY COMMUNICATION DEVICE WHICH SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

LEOS (WITH PATROL CAR) REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE 150 HOURS

THE HOURS PAID SHALL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF AN LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

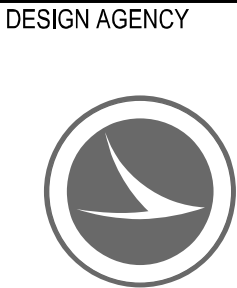
NOTIFICATION OF TRAFFIC RESTRICTIONS

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 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
ROAD & RAMP CLOSURES	>= 2WEEKS	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 PATTERNS 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.



ITEM 614 - PORTABLE CHANGEABLE MESSAGE SIGN,
AS PER PLAN

THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE, WHEN NO LONGER NEEDED, A PORTABLE CHANGEABLE MESSAGE SIGN, THE SIGN SHALL BE OF A TYPE SHOWN ON A LIST OF APPROVED PCMS UNITS AVAILABLE ON THE OFFICE OF MATERIALS MANAGEMENT WEB PAGE. THE LIST CONTAINS CLASS A AND B UNITS WITH MINIMUM LEGIBILITY DISTANCE OF 800 FEET AND 650 FEET RESPECTIVELY.

EACH SIGN SHALL BE TRAILER MOUNTED AND EQUIPPED WITH A FUNCTIONAL DIMMING MECHANISM TO DIM THE SIGN DURING DARKNESS AND A TAMPER AND VANDAL PROOF ENCLOSURE. EACH SIGN SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ON-SITE PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT. THE SIGN SHALL ALSO BE CAPABLE OF BEING POWERED BY AN ELECTRICAL SERVICE DROP FROM A LOCAL UTILITY COMPANY. PCMS TRAILERS SHOULD BE DELINEATED.

PLACEMENT, OPERATION, MAINTENANCE AND ALL ACTIVATION OF THE SIGNS BY THE CONTRACTOR SHALL BE AS DIRECTED BY THE ENGINEER. THE PCMS SHALL BE LOCATED IN A HIGHLY VISIBLE POSITION YET PROTECTED FROM TRAFFIC. THE PCMS SHOULD NOT BE LOCATED IN THE MEDIAN OF THE HIGHWAY UNLESS IT IS PROTECTED FROM BOTH DIRECTIONS OF TRAFFIC. THE PCMS SHALL BE LOCATED. IN A HIGHLY VISIBLE POSITION YET PROTECTED FROM TRAFFIC. THE CONTRACTOR SHALL, AT THE DIRECTION OF THE ENGINEER, RELOCATE THE PCMS TO IMPROVE THE VISIBILITY OR ACCOMMODATE CHANGED CONDITIONS. WHEN NOT IN USE, THE PCMS WILL BE OFF. ADDITIONALLY WHEN NOT IN USE FOR EXTENDED PERIODS OF TIME, THE PCMS SHALL BE TURNED, FACING AWAY FROM ALL TRAFFIC AND SHALL DISPLAY ONE OR MORE TYPE G YELLOW REFLECTIVE SHEETING SURFACES OF 9-INCH BY 15-INCH MINIMUM SIZE FACING TRAFFIC.

THE ENGINEER SHALL BE PROVIDED ACCESS TO EACH SIGN UNIT AND SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT AND TO REVISE SIGN MESSAGES, IF NECESSARY.

ALL MESSAGES TO BE DISPLAYED ON THE SIGN WILL BE PROVIDED BY THE CONTRACTOR. A LIST OF ALL PROPOSED PREPROGRAMMED MESSAGES WILL BE GIVEN TO THE ENGINEER PRIOR TO CONSTRUCTION. THE SIGN SHALL HAVE THE CAPABILITY TO STORE UP TO 99 MESSAGES. MESSAGE MEMORY OR PRE-PROGRAMMED DISPLAYS SHALL NOT BE LOST AS A RESULT OF POWER FAILURES TO THE ON-BOARD COMPUTER. THE SIGN LEGEND SHALL BE CAPABLE OF BEING CHANGED IN THE FIELD. THREE LINE PRESENTATION FORMATS WITH UP TO OF SIX MESSAGE PHASES SHALL BE SUPPORTED. PCMS FORMAT SHALL PERMIT THE COMPLETE MESSAGE FOR EACH PHASE TO BE READ AT LEAST TWICE.

THE PCMS SHALL CONTAIN AN ACCURATE CLOCK AND PROGRAMMING LOGIC WHICH WILL ALLOW THE SIGN TO BE ACTIVATED, DE-ACTIVATED OR MESSAGES CHANGED AUTOMATICALLY AT DIFFERENT TIMES OF THE DAY FOR DIFFERENT DAYS OF THE WEEK.

THE PCMS SHALL CONTAIN A CELLULAR TELEPHONE DATA LINK WHICH WILL [IN ACTIVE CELLULAR AREAS] ALLOW REMOTE SIGN ACTIVATION, DEACTIVATION, MESSAGE CHANGES, MESSAGE ADDITIONS AND REVISIONS TO TIME OF DAY PROGRAMS. THE SYSTEM SHALL ALSO PERMIT VERIFICATION OF CURRENT AND PROGRAMMED MESSAGES.

THE PCMS UNIT SHALL BE MAINTAINED IN GOOD WORKING ORDER BY THE CONTRACTOR IN ACCORDANCE WITH THE PROVISIONS OF 614.07. THE CONTRACTOR SHALL PRIOR TO ACTIVATING THE UNIT, MAKE ARRANGEMENTS WITH AN AUTHORIZED SERVICE AGENT FOR THE PCMS TO ASSURE PROMPT SERVICE IN THE EVENT OF FAILURE. ANY FAILURE SHALL NOT RESULT IN THE SIGN BEING OUT OF SERVICE FOR MORE THAN 12 HOURS INCLUDING WEEKENDS. FAILURE TO COMPLY MAY RESULT IN AN ORDER TO STOP WORK AND OPEN ALL TRAFFIC LANES AND/OR IN THE DEPARTMENT TAKING APPROPRIATE ACTION TO SAFELY CONTROL TRAFFIC. THE ENTIRE COST TO CONTROL TRAFFIC ACCRUED BY THE DEPARTMENT WILL BE DEDUCTED FROM MONEYS DUE, OR TO BECOME DUE THE CONTRACTOR ON HIS CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR 24 HOURS PER DAY OPERATION AND MAINTENANCE OF THESE SIGNS ON THE PROJECT FOR THE DURATION OF THEIR USE. THE REQUIREMENT TO FURNISH, INSTALL, MAINTAIN AND REMOVE A PCMS UNIT ON THIS PROJECT SHALL NOT IN ANY WAY RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITIES AS OUTLINED IN 614.02.

PAYMENT FOR THE ABOVE DESCRIBED ITEM SHALL BE AT THE CONTRACT UNIT PRICE. PAYMENT SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, FUELS, LUBRICATING OILS, SOFTWARE, HARDWARE AND INCIDENTALS TO PERFORM THE ABOVE DESCRIBED WORK.

614 PORTABLE CHANGEABLE MESSAGE SIGN,
AS PER PLAN, 4 SIGN MONTH
ASSUMING 4 SIGNS FOR 1 MONTH

LANE CLOSURES

DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AS PER THE PERMITTED LANE CLOSURE CHART. THE PERMITTED LANE CLOSURE CHART USED FOR THIS PROJECT SHALL BE THE MOST CURRENT CHART AVAILABLE ON THE DATE THIS PROJECT SELLS.

THE CHART CAN BE FOUND AT:
<http://plcm.dot.state.oh.us>

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THE REQUIREMENTS IN THE CHART, THE CONTRACTOR SHALL BE ASSESSED DISINCENTIVES IN THE AMOUNT OF \$25,000 PER HOUR OR PORTION THEREOF THAT THE LANE REDUCTION REMAINS BEYOND THE SPECIFIED LIMIT.

ITEM 614, MAINTAINING TRAFFIC (NOTICE OF CLOSURE SIGN)

NOTICE OF CLOSURE SIGNS (W20-H13) SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD OR RAMP CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW. [AT THE APPROVAL OF THE ENGINEER, PORTABLE CHANGEABLE MESSAGE SIGNS MAY BE USED IN LIEU OF THE STANDARD FLATSHEET SIGN FOR CLOSURE DURATIONS OF LESS THAN 1 WEEK.]

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD/RAMP FACING TRAFFIC. THEY SHALL BE PLACED SO AS NOT TO INTERFERE WITH THE VISIBILITY OF ANY OTHER TRAFFIC CONTROL SIGNS. ON ROADWAYS, THEY SHOULD BE ERECTED AT OR NEAR THE POINT OF CLOSURE. THE SIGNS MAY BE ERECTED ANYWHERE ON RAMPS AS LONG AS THEY ARE VISIBLE TO THE MOTORISTS USING THE RAMP. ON ENTRANCE RAMPS, THE SIGN SHALL BE ERECTED WELL IN ADVANCE OF THE MERGE AREA TO AVOID DISTRACTING MOTORISTS.

NOTICE OF CLOSURE SIGN TIME TABLE		
ITEM	DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC
ROAD &	>= 2WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
RAMP	> 12 HOURS & < 2 WEEKS	7 CALENDAR DAYS PRIOR TO CLOSURE
CLOSURE	<12 HOURS	2 BUSINESS DAYS PRIOR TO CLOSURE

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MMM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF THE W20-H13 SIGN LISTS A PHONE NUMBER WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION. THIS IS TO BE A SPECIFIC OFFICE WITHIN THE DISTRICT RATHER THAN THE GENERAL SWITCHBOARD NUMBER.

LOCAL SPECIAL EVENTS AND FESTIVALS

NO WORK SHALL BE PERFORMED, AND ALL EXISTING LANES SHALL BE OPEN DURING THE FOLLOWING DESIGNATED SPECIAL EVENTS:

ASHTABULA COUNTY FAIR (SR 46)
MAHONING COUNTY FAIR (SR 46)
VIENNA AIR SHOW (SR 82, 17.36 - 22.75)
ANY OTHER EVENTS AS NOTED BY THE ENGINEER

THE CONTRACTOR SHALL HAVE THE ALL LANES OPEN BEGINNING 2:00PM THE DAY BEFORE THE EVENT STARTS UNTIL 6:00AM THE MORNING AFTER THE EVENT ENDS. IN THE CASE OF AN EVENT THAT IS FOR THE DURATION OF A WEEKEND, ALL LANES SHALL BE OPEN BY 2:00PM THE FRIDAY BEFORE THE EVENT AND WILL REMAIN OPEN UNTIL AT LEAST 6:00 AM ON THE MONDAY AFTER THE EVENT. SHOULD THE CONTRACTOR FAIL TO HAVE THE LANES OPEN AS DESCRIBED ABOVE, A DISSINCENTIVE PENALTY WILL BE ASSESSED IN THE AMOUNT OF \$6,000 PER HOUR THAT A LANE REMAINS CLOSED. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY WITH THE LOCAL COMMUNITY THE EXACT DATES OF THE LISTED SPECIAL EVENTS. PAYMENT FOR ALL RELATED WORK SHALL BE INCIDENTAL TO ITEM 614, MAINTAINING TRAFFIC

NOTIFICATION OF TRAFFIC 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
ROAD & RAMP CLOSURES	>= 2WEEKS	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 PATTERNS 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.

DESIGN AGENCY



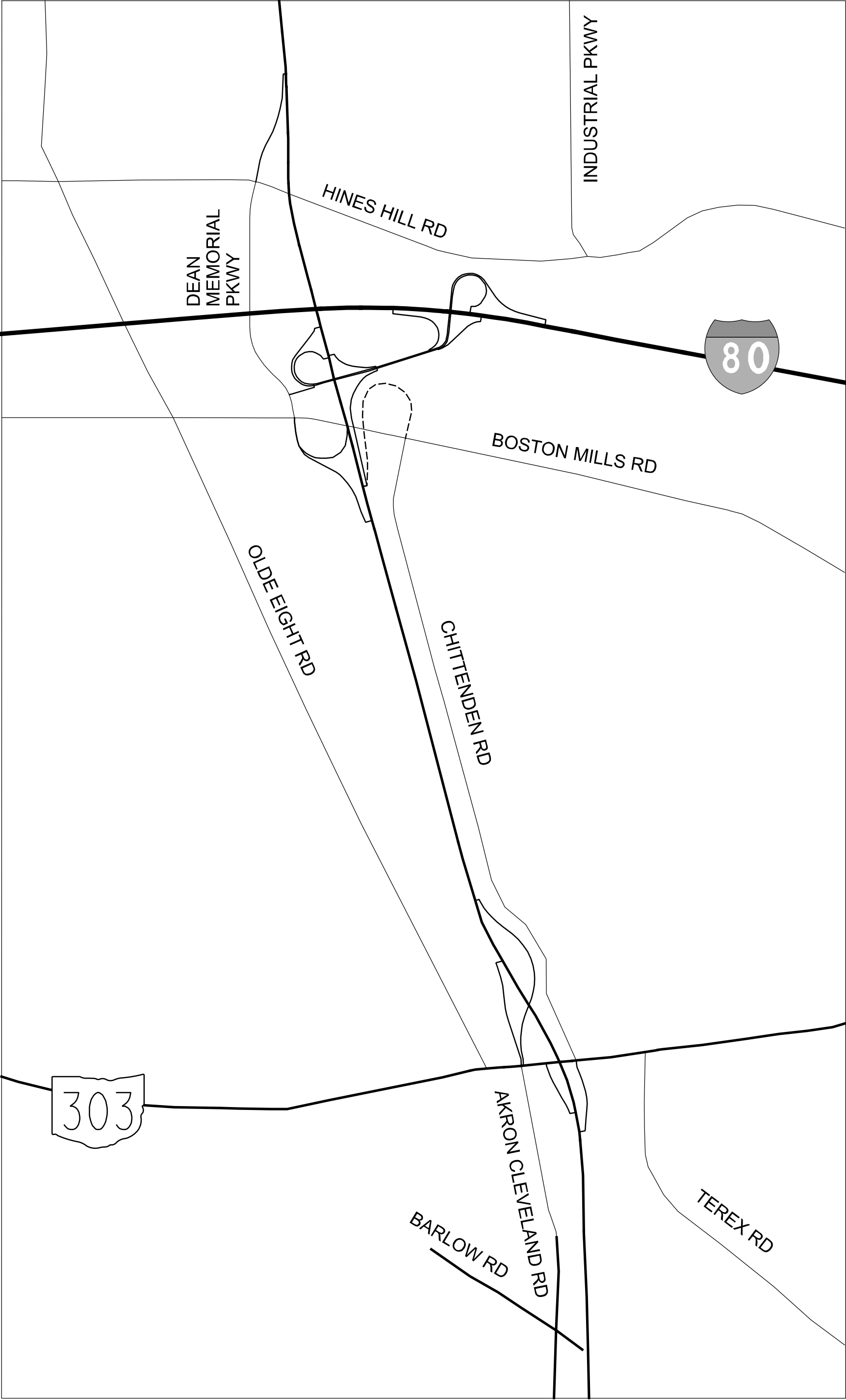
DESIGNER
MJP

REVIEWER
MJA 11-9-20

PROJECT ID
111632

SHEET	TOTAL
P.11	21

RAMP CLOSURES								
RAMP	LENGTH (MILES)	AVERAGE WIDTH (FEET)	PERMITTED CLOSURE TIMES	DURATION	DETOUR ROUTE	APPROX. # PCMS	ADDITIONAL RESTRICTIONS / INFO	DISINCENTIVES (PER HOUR)
RAMP A SR 8 NB TO BOSTON MILLS RD	0.54	25	8:00 PM - 5:00 AM	1 NIGHT	CHITTENDEN RD	4	MAY DO BOTH RAMPS IN ONE NIGHT	\$5,000
RAMP B BOSTON MILLS RD TO SR 8 SB	0.28	26	9:00 PM - 6:00 AM	1 NIGHT	CHITTENDEN RD / SR 303	5	MAY DO BOTH RAMPS IN ONE NIGHT	\$5,000



DETOUR PLAN

DESIGN AGENCY

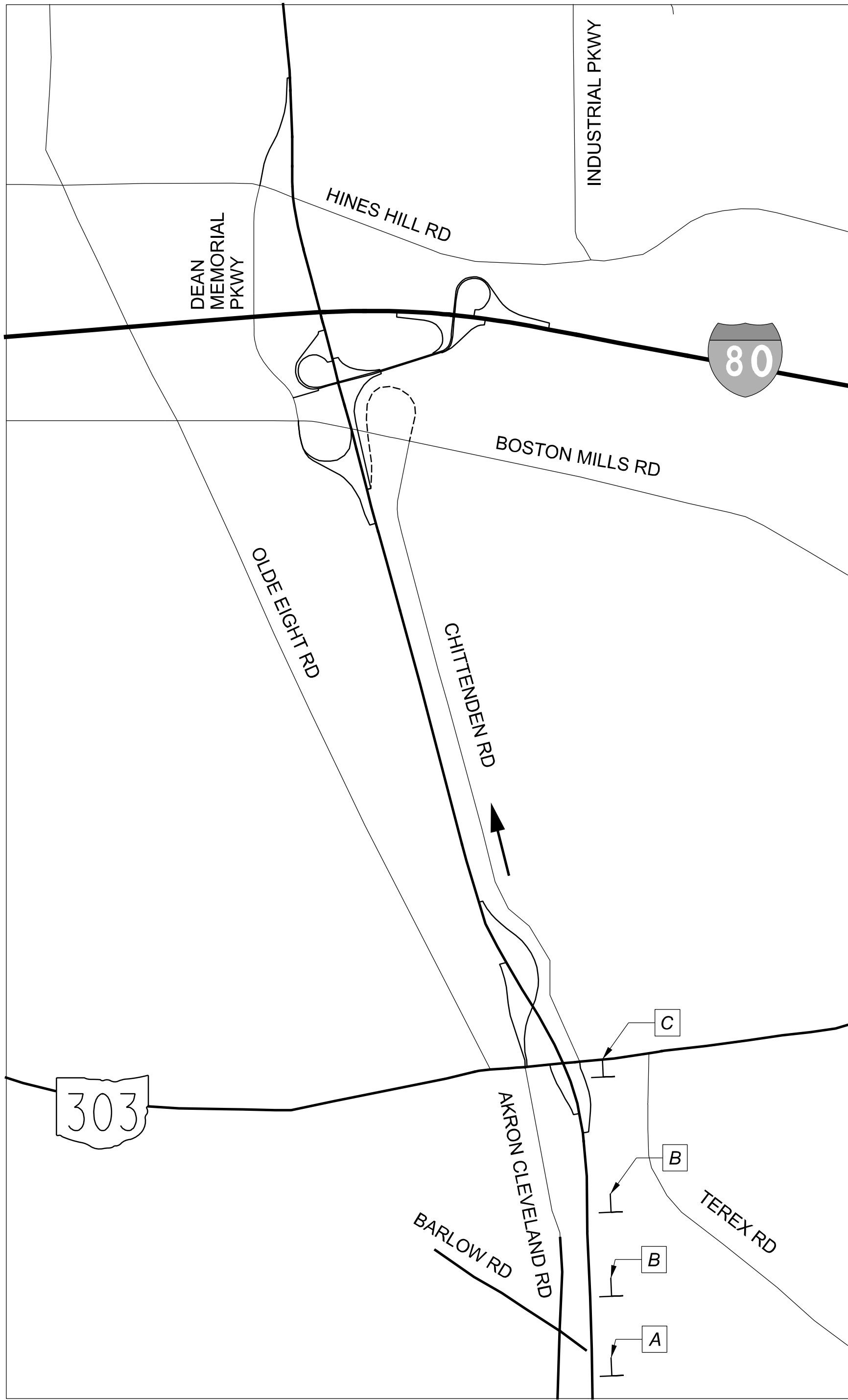


DESIGNER
MJP

REVIEWER
MJA 11-9-20

PROJECT ID
111632

SHEET	TOTAL
P.12	21



A

- PCMS:
1. EXIT TO BOSTON MILLS RD
 2. CLOSED AHEAD

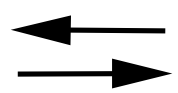
B

- PCMS:
1. EXIT 14A CLOSED
 2. DETOUR USE EXIT 12

C

- PCMS:
1. DETOUR BOSTON MILLS RD
 2. CONTINUE STRAIGHT

DETOUR ROUTE FOR: SR 8 NB RAMP TO BOSTON MILLS RD

 **DETOUR ROUTE: CHITTENDEN RD**

 **CLOSED AS PER SCD MT-98.29**

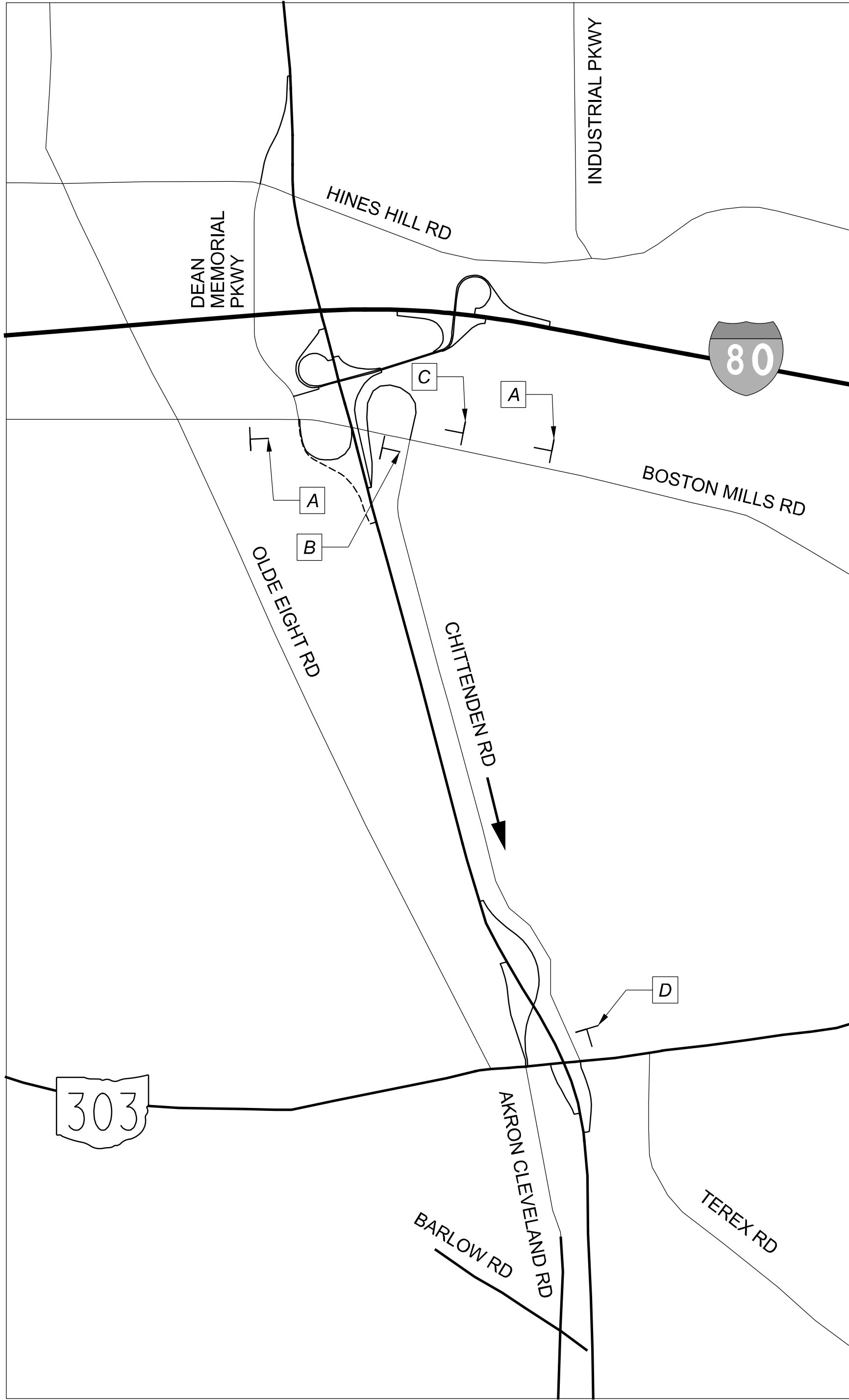


NOT TO SCALE

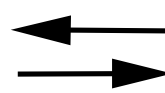
REFER TO THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES,
FIGURE 6H-8 (TYPICAL APPLICATION 8), FOR SIGN SPACING.

ON TYPE III BARRICADE WITH TYPE B FLASHERS MOUNTED PER SCD MT-101.60





DETOUR ROUTE FOR: BOSTON MILLS RD RAMP TO SR 8 SB



DETOUR ROUTE: CHITTENDEN RD / SR 303



CLOSED AS PER SCD MT-101.60



NOT TO SCALE

REFER TO THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES,
FIGURE 6H-8 (TYPICAL APPLICATION 8), FOR SIGN SPACING.

ON TYPE III BARRICADE WITH TYPE B FLASHERS MOUNTED PER SCD MT-101.60

A

- PCMS:
1. RAMP TO SR 8 SB CLOSED
 2. DETOUR AHEAD

B

- PCMS:
1. DETOUR SR 8 SB
 2. TURN RT CHTTNDEN ROAD

C

- PCMS:
1. DETOUR SR 8 SB
 2. TURN LT CHTTNDEN ROAD

D

- PCMS:
1. DETOUR SR 8 SB
 2. TURN LEFT



D04-CS-FY2021

MODEL: Sheet PAPER SIZE: 17x11 (in.) DATE: 12/21/2020 TIME: 7:32:02 AM USER: mpalagan
 pw:\vhobidot-pw.bentley.com:chidot-pw-02\Documents\01 Active Projects\District 04\ D04\111632\400-Engineering\Roadway\Sheets\111632_GG001.dgn

[illegible]

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER
MJP

REVIEWER	
MJA	11-9-20

PROJECT ID
111632

SHEET	TOTAL
P.15	21

LOCATION													423	REMARKS
COUNTY	ROUTE	SECTION (S.L.M.)		LENGTH (MI)	AVERAG E WIDTH (FT)								CRACK SEALING, TYPE IV	
		FROM	TO										SY	
ATB	6	0.00	1.54	1.54	27								24394	
ATB	6	5.75	20.61	14.86	27								235382	
ATB	20	0.00	2.00	2.00	45								52800	
ATB	45	1.87	11.06	9.19	30								161744	
ATB	45	24.07	24.11	0.04	23								540	
ATB	46	16.38	22.02	5.64	32								105882	
ATB	84	0.00	2.61	2.61	27								41342	
ATB	307	0.00	3.22	3.22	24								45338	
ATB	322	0.00	6.66	6.66	30								117216	
ATB	531	6.86	7.54	0.68	25								9973	
ATB	531	10.27	18.69	8.42	36								177830	
TOTALS CARRIED TO GENERAL SUMMARY													972442	

ATB INTERSECTIONS

US 6

IRELAND RD	SLM 0.56
SR 45	SLM 7.17
CHESTER RD	SLM 8.21
STATION RD	SLM 8.34
ROME ROCK CREEK RD	SLM 9.20
EVENING STAR DR	SLM 9.57
LAKE VUE DR	SLM 9.80
CROSBY COOK RD	SLM 10.21
SR 46	SLM 11.56
LENOX-NEW LYME RD	SLM 12.47
GUEST RD	SLM 13.19
DAY RD	SLM 14.06
UNION RD	SLM 14.61
SR 11	SLM 15.05
KNAPP RD	SLM 15.48
LOVELAND RD	SLM 16.51
RUSSELL RD	SLM 16.87
SR 193	SLM 17.47
HAYES RD	SLM 18.38
CREEK RD	SLM 19.67
STANHOPE- KELLOGGSVILLE RD	SLM 20.28

US 20

COUNTY LINE RD	SLM 0.00
WHEELER CREEK RD	SLM 0.99
WHEELER MAIN RD	SLM 1.38
PADANARUM RD	SLM 1.70

US 45

SUNSET ST	SLM 2.05
LEFFINGWELL DR	SLM 2.10
SCHOOL ST	SLM 2.22
US 322	SLM 2.36
PARK ST	SLM 2.54
GRAND VALLEY AVE	SLM 3.04
HAGUE RD	SLM 3.36
WINDSOR RD	SLM 3.86
MONTGOMERY RD	SLM 4.23
JOHNSON RD	SLM 5.20
DODGEVILLE RD	SLM 6.20
US 6	SLM 7.20
LASKEY RD	SLM 8.20
KETCHUM RD	SLM 8.26
CALLENDER RD	SLM 9.27
SHAFFER RD	SLM 10.29
ROME ROCK CREEK RD	SLM 10.65
STILES AVE	SLM 10.83
WATER ST	SLM 11.06

SR 46

MULBERRY ST	SLM 16.39
CEDAR ST	SLM 16.54
ERIE ST	SLM 16.67
SATIN ST	SLM 16.84
JEFFERSON ST	SLM 16.95
WALNUT ST	SLM 17.09
ASHTABULA ST	SLM 17.22
PINE ST	SLM 17.36
SR 167	SLM 17.51
MARKET ST	SLM 18.56
PERRY RD	SLM 18.95
CLAY ST	SLM 20.03
GRIGGS RD	SLM 20.21
MORGAN RD	SLM 20.98
JEFFERSON RD	SLM 21.35
SR 11	SLM 22.06
SR 84	
COUNTY LINE RD	SLM 0.00
VAN PELT RD	SLM 1.34
WEST ST	SLM 2.14
LAFEVRE RD	SLM 2.35
CHESTNUT ST	SLM 2.56

SR 307

COUNTY LINE RD	SLM 0.00
MIRNA RD	SLM 0.33
VAN PELT RD	SLM 1.34
LAFEVRE RD	SLM 2.33
FORTIER RD	SLM 2.55
HARPER VALLEY LN	SLM 2.72
HARPERFIELD RD	SLM 2.94
SR 534	SLM 3.22
US 322	
TOWNLINE RD	SLM 0.00
COX RD	SLM 1.08
WISWELL RD	SLM 1.82
WARNER HOLLOW RD	SLM 2.10
ROCKWOOD RD	SLM 2.66
LANESE DR	SLM 2.86
CHUB RD	SLM 2.99
SR 534	SLM 3.57
FORTNEY RD	SLM 4.60
PARKER RD	SLM 6.16

SR 531

WESTMINSTER AVE	SLM 6.86
EDGEWATER AVE	SLM 6.98
ELK DR	SLM 7.23
TREELANE DR	SLM 7.31
WESTSHORE DR	SLM 7.50
MARUBA AVE	SLM 10.27
MANOLA AVE	SLM 10.34
STATE RD	SLM 10.63
RUSSELL DR	SLM 11.6
LA BOUNTY RD	SLM 13.26
RIDGE AVE	SLM 14.41
PARKWOOD AVE	SLM 14.45
KENMORE AVE	SLM 14.49
BRYNMAWR AVE	SLM 14.53
PASADENA AVE	SLM 14.57
ENGLEWOOD AVE	SLM 14.61
SR 193	SLM 14.75
REGAL DR	SLM 15.38
KINGSBORO DR	SLM 15.78
MONDAY DR	SLM 15.96
RED OAK CIRCLE	SLM 16.04
GLENWOOD DR	SLM 16.36
HARMON RD	SLM 16.54
BERKSHIRE RD	SLM 17.15
STUCKEY DR	SLM 17.21
DERBYSHIRE DR	SLM 17.41
POORE RD	SLM 17.61
PENN AVE	SLM 18.25
SHADY LN	SLM 18.51

ATB CALCULATIONS

DESIGN AGENCY



DESIGNER

MJP

REVIEWER

MJA 11-9-20

PROJECT ID

111632

SHEET

P.16

TOTAL

21

LOCATION													423	REMARKS
COUNTY	ROUTE	SECTION (S.L.M.)		LENGTH (MI)	AVERAG E WIDTH (FT)								CRACK SEALING, TYPE IV	
		FROM	TO										SY	
MAH	46	0.00	8.64	8.64	32								162202	
MAH	46	12.03	16.43	4.40	56								144555	
MAH	165	24.61	25.95	1.34	24								18867	
MAH	534	4.48	16.31	11.83	26								180447	
TOTALS CARRIED TO GENERAL SUMMARY													506071	

MAH INTERSECTIONS

SR 46

SR 14	SLM 0.00
NEW BUFFALO RD	SLM 0.64
GARFIELD RD	SLM 1.28
RENKENBERGER RD	SLM 1.86
PINE LAKE RD	SLM 2.21
EVENING STAR DR	SLM 9.57
SR 11	SLM 2.33
LESHER RD	SLM 2.86
SR 165	SLM 3.62
COOK RD	SLM 4.00
MIDDLETOWN RD	SLM 4.80
GREEN BEAVER RD	SLM 4.82
CALLA RD	SLM 5.82
WESTERN RESERVE RD	SLM 6.96
LEFFINGWELL RD	SLM 7.99
LEFFINGWELL RD	SLM 8.14
SR 446	SLM 8.59
KIRK RD	SLM 12.55
NEW RD	SLM 13.60
NOTRE DAME AVE	SLM 13.94
COLGATE AVE	SLM 14.29
LONDON DR	SLM 14.38
MAHONING AVE	SLM 14.67
OHLTOWN RD	SLM 14.80
SILICA RD	SLM 15.89
INTERSTATE BLVD	SLM 16.14
I-80	SLM 16.37
SR 446	SLM 8.59

SR 165

SR 617	SLM 24.61
BEARD RD	SLM 24.93

SR 534

CALLA RD	SLM 5.03
WESTERN RESERVE RD	SLM 6.05
LEFFINGWELL RD	SLM 6.89
BERLIN STATION RD	SLM 7.62
US 224	SLM 8.59
HOYLE RD	SLM 9.43
HEISER RD	SLM 9.77
MOCK RD	SLM 10.26
SHILLING RD	SLM 10.80
ELLSWORTH RD	SLM 11.36
PALMYRA RD	SLM 12.57
STOLTZ RD	SLM 13.06
MAHONING AVE	SLM 13.78
I-76	SLM 14.12
CREED RD	SLM 14.51
PRICETOWN RD	SLM 15.00
COUNTY LINE RD	SLM 16.31



LOCATION													423	REMARKS
COUNTY	ROUTE	SECTION (S.L.M.)		LENGTH (MI)	AVERAG E WIDTH (FT)								CRACK SEALING, TYPE IV	
		FROM	TO										SY	
POR	14	6.66	10.15	3.49	33								67566	
POR	14	18.06	18.20	0.14	37								3039	
POR	43	0.00	7.51	7.51	29								127770	
POR	43	8.15	8.50	0.35	68								13963	
POR	44	14.86	15.03	0.17	36								3590	
POR	59	3.33	5.87	2.54	56								83447	
POR	261	0.00	3.51	3.51	68								140026	
POR	303	4.98	8.72	3.74	30								65824	
POR	305	0.00	0.48	0.48	25								7040	
POR	700	0.00	4.54	4.54	24								63923	
POR	700	5.26	7.89	2.63	26								40116	
TOTALS CARRIED TO GENERAL SUMMARY													616306	

POR INTERSECTIONS

SR 14

LAKE ROCKWELL RD SLM 6.80
DAWLEY RD SLM 7.83
MEADOWBROOK BLVD SLM 8.10
PINE RIDGE DR SLM 8.72
CLEVELAND RD SLM 8.88
INFIRMARY RD SLM 9.35
ENTERPRISE PKWY SLM 9.91
SR 44 SLM 10.19
TALLMADGE RD SLM 18.06
SR 183 SLM 18.23

SR 43

MANNING RD SLM 0.64
LAURA LN SLM 0.79
SWARTZ RD SLM 0.97
WINGFOOT LAKE RD SLM 1.40
SUFFIELD OAKS LN SLM 1.82
WATERLOO RD SLM 2.46
US 224 SLM 2.74
ETTER RD SLM 2.78
TRARES RD SLM 3.86
RANDOLPH RD SLM 3.93
SAXE RD SLM 5.38
SQUIRES DR SLM 5.58
DORALEE DR SLM 5.88
HILLTOP DR SLM 6.22
OLD FORGE RD SLM 6.58
ARCADIA RD SLM 7.10
BEAL DR SLM 8.18
I-76 SLM 8.28
EDSON RD SLM 8.35

SR 44

SR 14 SLM 14.86
ENTERPRISE PKWY SLM 14.97

SR 59
RHODES RD SLM 3.47
SR 261 SLM 3.80
ERIE ST SLM 4.31
POWDERMILL RD SLM 4.42
MENOUGH RD SLM 5.87

SR 261

CHERRY ST SLM 0.41
MOGADORE RD SLM 0.99
FRANKLIN AVE SLM 1.59
SR 43 SLM 2.02
CAMPUS CENTER DR SLM 2.43

SR 303

KIEFER RD SLM 5.19
DIAGONAL RD SLM 5.54
COIT RD SLM 6.80
INFIRMARY RD SLM 7.55
SR 44 SLM 8.72

SR 305

SR 82 SLM 0.00
HIRAM CORP. LIMIT SLM 0.48

SR 700

SR 88 SLM 0.00
SR 303 SLM 0.20
I-80 SLM 0.66
STREETER RD SLM 1.73
HANKEE RD SLM 2.74
HEADWATERS TRAIL SLM 3.02
PIONEER TRAIL SLM 4.30
SR 82 SLM 4.54
SR 305 SLM 5.26
WINROCK DR SLM 5.81
NORTON RD SLM 6.85
WINCHELL RD SLM 6.92
ALLYN RD SLM 7.74



LOCATION													423	REMARKS
COUNTY	ROUTE	SECTION (S.L.M.)		LENGTH (MI)	AVERAG E WIDTH (FT)								CRACK SEALING, TYPE IV	
		FROM	TO										SY	
STA	297	0.00	0.66	0.66	26								10067	
STA	619	3.79	4.10	0.31	40								7275	
TOTALS CARRIED TO GENERAL SUMMARY													17342	

STA INTERSECTIONS

SR 297

WHIPPLE AVE SLM 0.17
RAFF RD SLM 0.66

SR 619

MARKET AVE SLM 3.37
GRAND TRUNK AVE SLM 3.93
OVERLOOK DR SLM 3.99

LOCATION													423	REMARKS
COUNTY	ROUTE	SECTION (S.L.M.)		LENGTH (MI)	AVERAG E WIDTH (FT)								CRACK SEALING, TYPE IV	
		FROM	TO										SY	
SUM	8	14.35	14.35	0.54	25								7920	SR 8 NB RAMP TO BOSTON MILLS RD
SUM	8	14.35	14.35	0.28	26								4271	BOSTON MILLS RD RAMP TO SR 8 SB
SUM	18	0.00	4.88	4.88	70								200405	
SUM	21 NB	9.50	9.76	0.26	40								6101	
SUM	21 SB	8.36	9.76	1.40	39								32032	
SUM	77	21.99	24.20	2.21	126								163363	
SUM	91	0.30	1.40	1.10	50								32267	
SUM	91	1.80	2.54	0.74	41								17799	
SUM	271	6.62	8.54	1.92	86								96870	
SUM	532	0.00	3.54	3.54	31								64381	
TOTALS CARRIED TO GENERAL SUMMARY													625411	

SUM INTERSECTIONS

SR 8

BOSTON MILLS RD SLM 14.35

SR 18

MEDINA COUNTY LINE RD SLM 0.00
HARVESTER DR SLM 0.35
CREEKRUN DR SLM 0.62
N HAMETOWN RD SLM 0.87
SCENIC VIEW DR SLM 1.20
CRYSTAL LAKE RD SLM 1.55
I-77 SLM 1.90
SPRINGSIDE DR SLM 2.20
CLEVELAND-MASSILLON RD SLM 2.60
SMITH RD SLM 3.17
BANCROFT RD SLM 3.27
MOREWOOD RD SLM 3.59
GHENT RD SLM 3.89
MILLER RD SLM 4.18
SHIAWASSEE AVE SLM 4.36
HAMPSHIRE RD SLM 4.50

SR 21

RIDGEWOOD RD SLM 8.65

I-77

SR 21 SLM 22.64
SR 18 SLM 23.23

SR 91

FARMDALE RD SLM 0.30
HIGH GROVE BLVD SLM 0.50
RHOADESDALE AVE SLM 0.63
SHADYBROOK DR SLM 0.88
TRIPLETT BLVD SLM 1.07
ALBRECHT AVE SLM 1.13
LELAND AVE SLM 1.28
ELLET AVE SLM 1.39
SR 18 SLM 1.81
ARDWELL AVE SLM 1.99
MOGADORE RD SLM 2.38
I-76 SLM 2.47
GILCHRIST RD SLM 2.54
MILLER RD SLM 4.18
SHIAWASSEE AVE SLM 4.36
HAMPSHIRE RD SLM 4.50

I-271

I-80 SLM 6.62
RIVERVIEW RD SLM 8.09
BOSTON MILL RD SLM 8.54

SR 532

US 224 SLM 0.00
SAMUEL RD SLM 0.52
CARPER AVE SLM 0.66
ALBRECHT AVE SLM 0.82
ETTER RD SLM 0.86
PROSPECT ST SLM 1.15
CURTIS ST SLM 1.36
MOGADORE RD SLM 1.55
HIGHLAND RD SLM 1.81
SAXE RD SLM 2.69
STONEGATE TRAIL SLM 3.12
NEWTON ST SLM 3.39
I-76 SLM 3.54

SUM CALCULATIONS

DESIGN AGENCY



DESIGNER

MJP

REVIEWER

MJA 11-9-20

PROJECT ID

111632

SHEET

P.20

TOTAL

21

LOCATION													423	REMARKS
COUNTY	ROUTE	SECTION (S.L.M.)		LENGTH (MI)	AVERAG E WIDTH (FT)								CRACK SEALING, TYPE IV	
		FROM	TO										SY	
TRU	7	5.66	8.75	3.09	30								54384	
TRU	11	3.74	7.68	3.94	78								180294	
TRU	46	7.08	13.39	6.31	34								125863	
TRU	82	1.63	5.28	3.65	30								64240	
TRU	82	17.36	22.75	5.39	76								240322	
TRU	305	1.57	2.45	0.88	25								12907	
TOTALS CARRIED TO GENERAL SUMMARY													678011	

TRU INTERSECTIONS

SR 7

US 62 SLM 5.66
CHESTNUT RIDGE RD SLM 6.12
TAMARACK DR SLM 6.19
WHITE OAK DR SLM 6.33
PINE GROVE DR SLM 6.41
STEWART SHARON RD SLM 7.54
SR 82 SLM 8.58
WOOD ST SLM 8.75

SR 11

I-80 SLM 3.74
LIBERTY ST SLM 3.91
SR 304 SLM 4.51
TIBBETTS WICK RD SLM 6.23
ANDERSON MORRIS RD SLM 7.04
STEWART SHARON RD SLM 7.54
SR 82 SLM 8.58
WOOD ST SLM 8.75

SR 46

SR 82 SLM 7.30
HUNTERS TRAIL SLM 7.45
SOUTH ST SLM 7.71
MARKET ST SLM 7.86
HIGH ST SLM 7.95
WOODLAND DR SLM 8.22
FAIRHILL DR SLM 8.44
SQUIRES LN SLM 8.61
ANDERSON AVE SLM 8.81
BROOKWOOD DR SLM 9.04
CARRIAGE HILL DR SLM 9.15
KING GRAVES RD SLM 9.44
RIVER RD SLM 9.74
SEASONS BLVD SLM 10.04
CADWALLADER SONK RD SLM 11.05
CADWALLADER SONK RD SLM 11.13
NORTHVIEW DR SLM 11.44
SADDLEBROOK LN SLM 11.59
TOBIN LN SLM 11.88
SR 305 SLM 12.76
GREENBRIAR DR SLM 13.23
SR 5 SLM 13.39

SR 82

SR 534 SLM 1.63
COLLINS DR SLM 1.66
BRACEVILLE-ROBINSON RD SLM 2.84
BAILEY ANDERSON RD SLM 3.39
BENEDICT LEAVITTSBURG RD SLM 4.51
SR 5 SLM 5.28
SR 46 SLM 18.03
HOWLAND WILSON RD SLM 18.65
SR 11 SLM 19.73
SCOVILLE NORTH RD SLM 20.28
NILES VIENNA RD SLM 21.65
SR 193 SLM 22.10
HIGHLAND RD SLM 1.81
SAXE RD SLM 2.69
STONEGATE TRAIL SLM 3.12
NEWTON ST SLM 3.39
I-76 SLM 3.54

SR 305

US 422 SLM 1.57
SR 534 SLM 2.45

