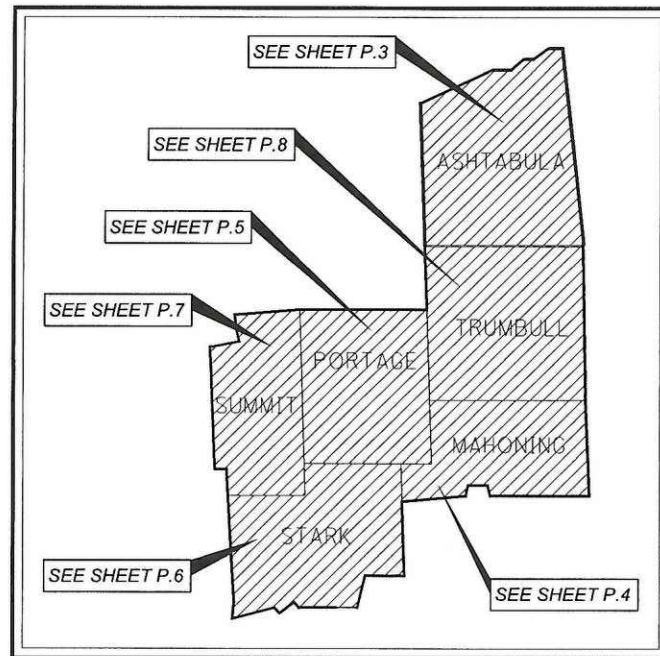




LOCATION MAPS

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.org 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
AKRON, OH 44306

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

D04-CS-FY2022

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

INDEX OF SHEETS:

TITLE SHEET	P.1
LOCATION LIST	P.2
LOCATION MAPS	P.3 - P.8
GENERAL NOTES	P.9
MAINTENANCE OF TRAFFIC	P.10
GENERAL SUMMARY	P.11
CALCULATION SHEETS	P.12 - P.17
ATB CALCULATIONS	P.12
MAH CALCULATIONS	P.13
POR CALCULATIONS	P.14
STA CALCULATIONS	P.15
SUM CALCULATIONS	P.16
TRU CALCULATIONS	P.17

[illegible]**FEDERAL PROJECT NUMBER**

NON-FEDERAL PROJECT

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

CRACK SEALING VARIOUS ROUTES THROUGHOUT DISTRICT 4.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	N/A (MAINTENANCE PROJECT)
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.25 ACRES
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 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.

APPROVED [Signature]
DATE 02/07/2022 DISTRICT DEPUTY DIRECTOR

APPROVED Jack MacInnis
DATE 3/21/22 DIRECTOR, DEPARTMENT OF
TRANSPORTATION

MILE SHEET

DESIGN AGENCY

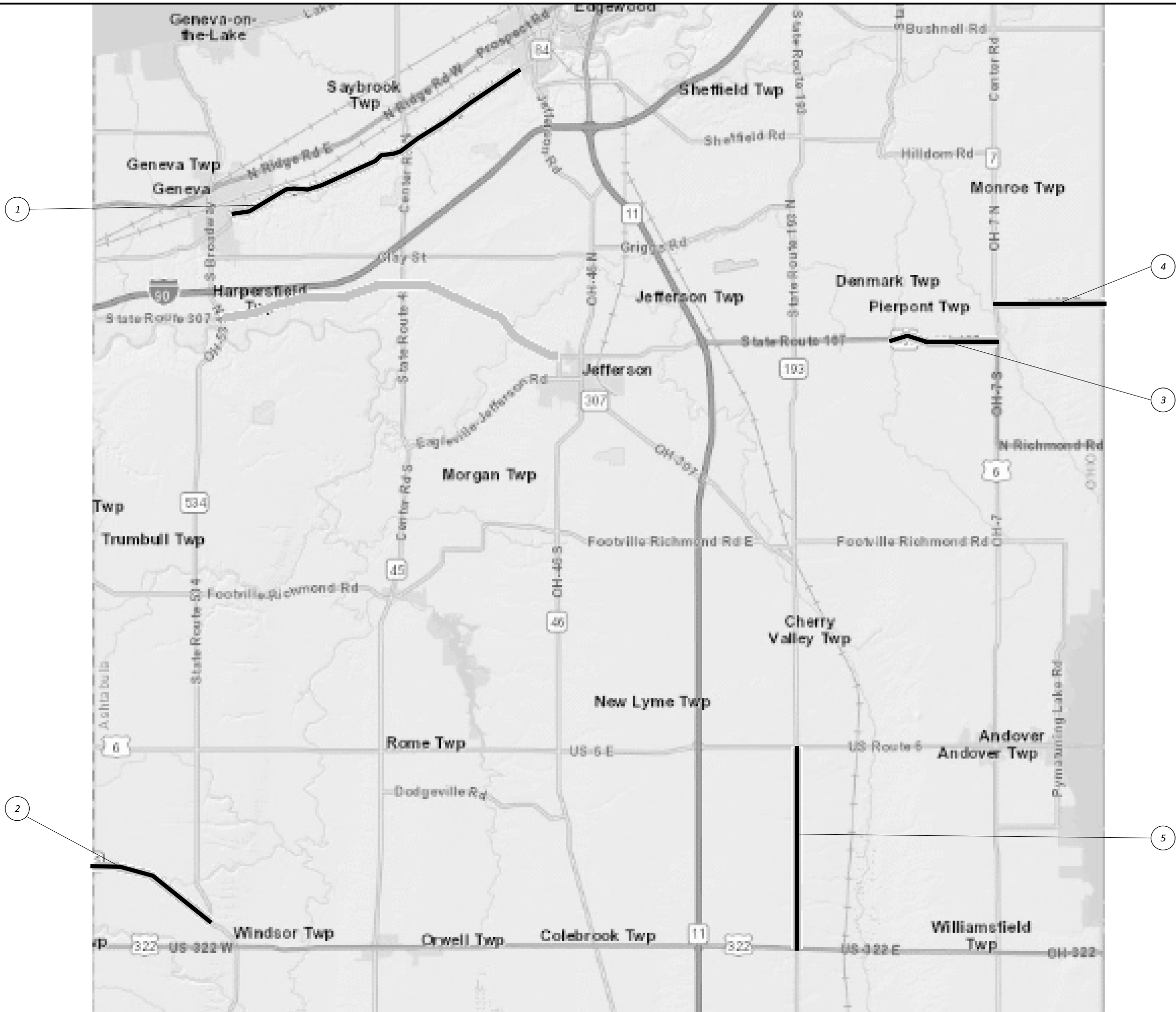


DESIGNER	
CMR	
REVIEWER	
CLG	01-13-22
PROJECT ID	
116077	
SHEET	TOTAL
P.1	17

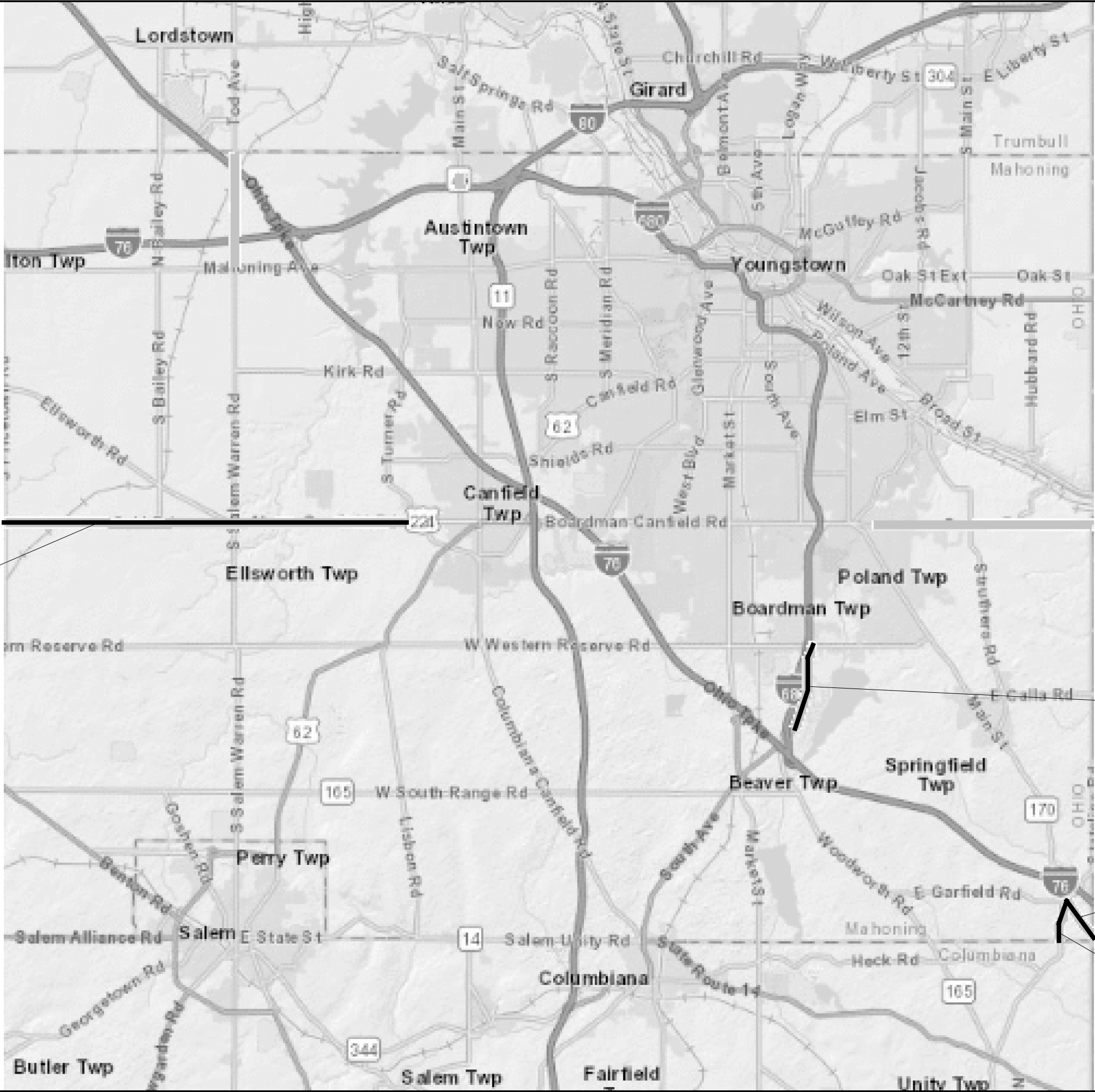
CRACK SEAL LOCATIONS

Number	County	Route	From SLM	To SLM	Comments	Number	County	Route	From SLM	To SLM	Comments
1	ATB	84	3.85	7.78		15	POR	224DC	0.00	0.04	
2	ATB	86	0.00	3.33		16	POR	224	13.51	18.67	
3	ATB	167	7.69	10.46		17	POR	225	0.00	2.53	
4	ATB	167	11.37	14.08		18	STA	93	19.24	20.64	
5	ATB	193	2.47	7.45		19	STA	241	14.58	17.90	
6	MAH	164	5.54	7.36		20	SUM	18	0.00	1.55	
7	MAH	170	0.00	0.79		21	SUM	21	19.40	20.77	
8	MAH	224	2.88	7.60		22	SUM	76	0.00	4.02	
9	MAH	617	3.78	4.74		23	SUM	271	11.22	15.24	
10	POR	14	25.25	25.34		24	TRU	5	22.00	31.00	
11	POR	43	0.00	9.89		25	TRU	45	12.90	21.14	
12	POR	59	3.32	6.83		26	TRU	87	0.00	2.51	
13	POR	76	9.73	21.20		27	TRU	88	2.54	7.03	
14	POR	88	7.90	10.98		28	TRU	193	0.00	6.77	

LOCATION LIST



8

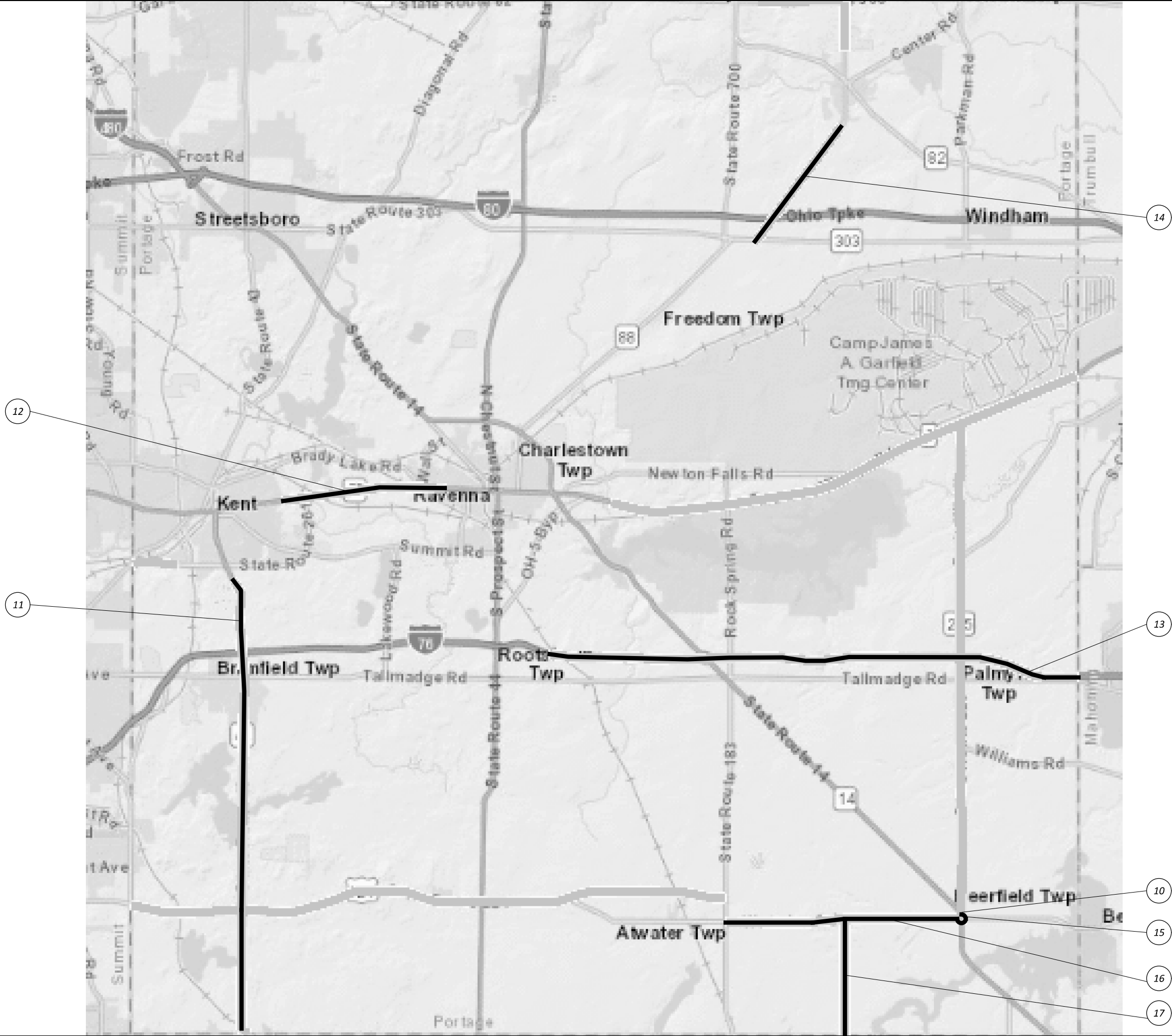


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7





LOCATION MAP - POR

DESIGN AGENCY



DESIGNER

CMR

REVIEWER

CLG 01-13-22

PROJECT ID

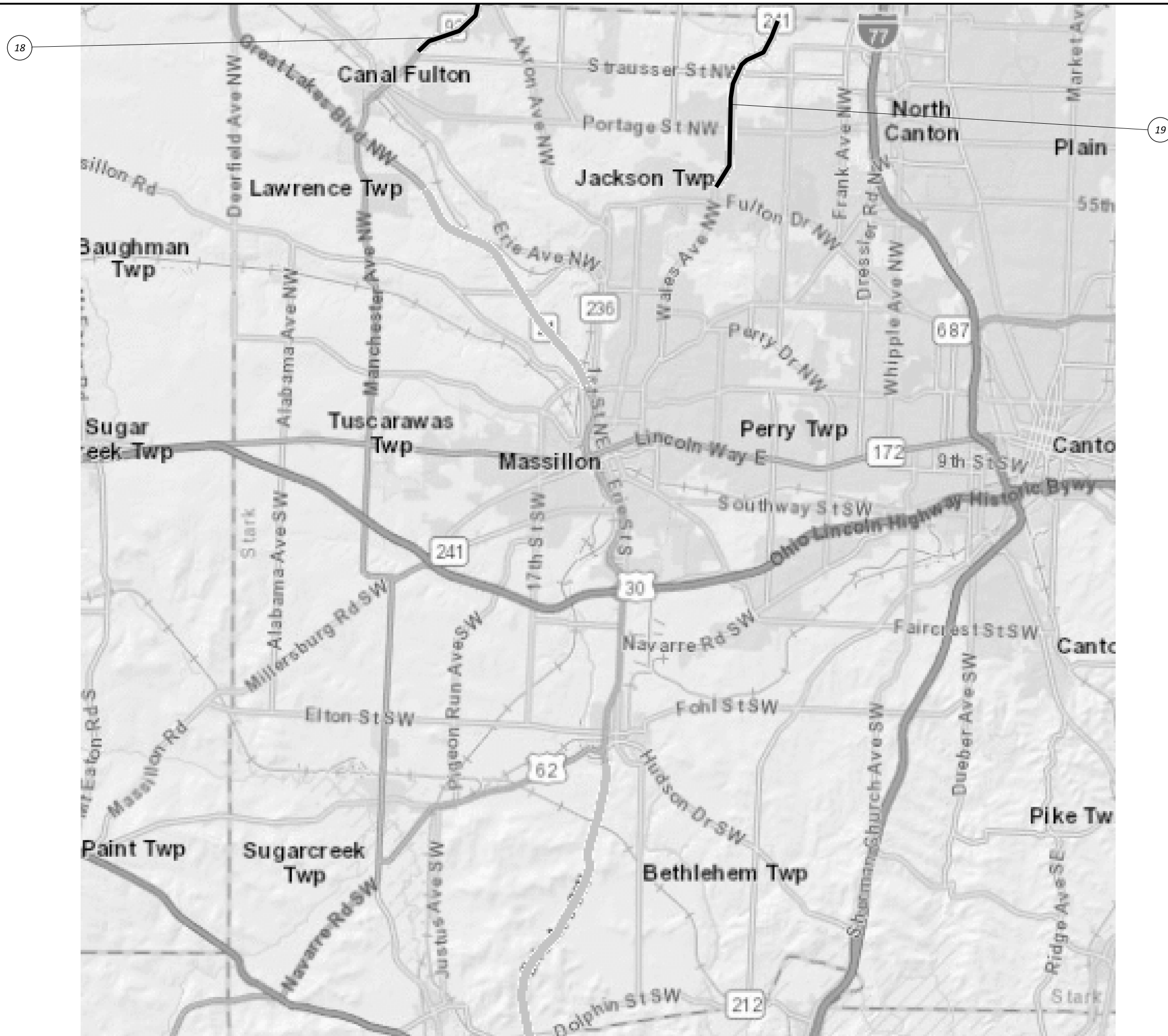
116077

SHEET

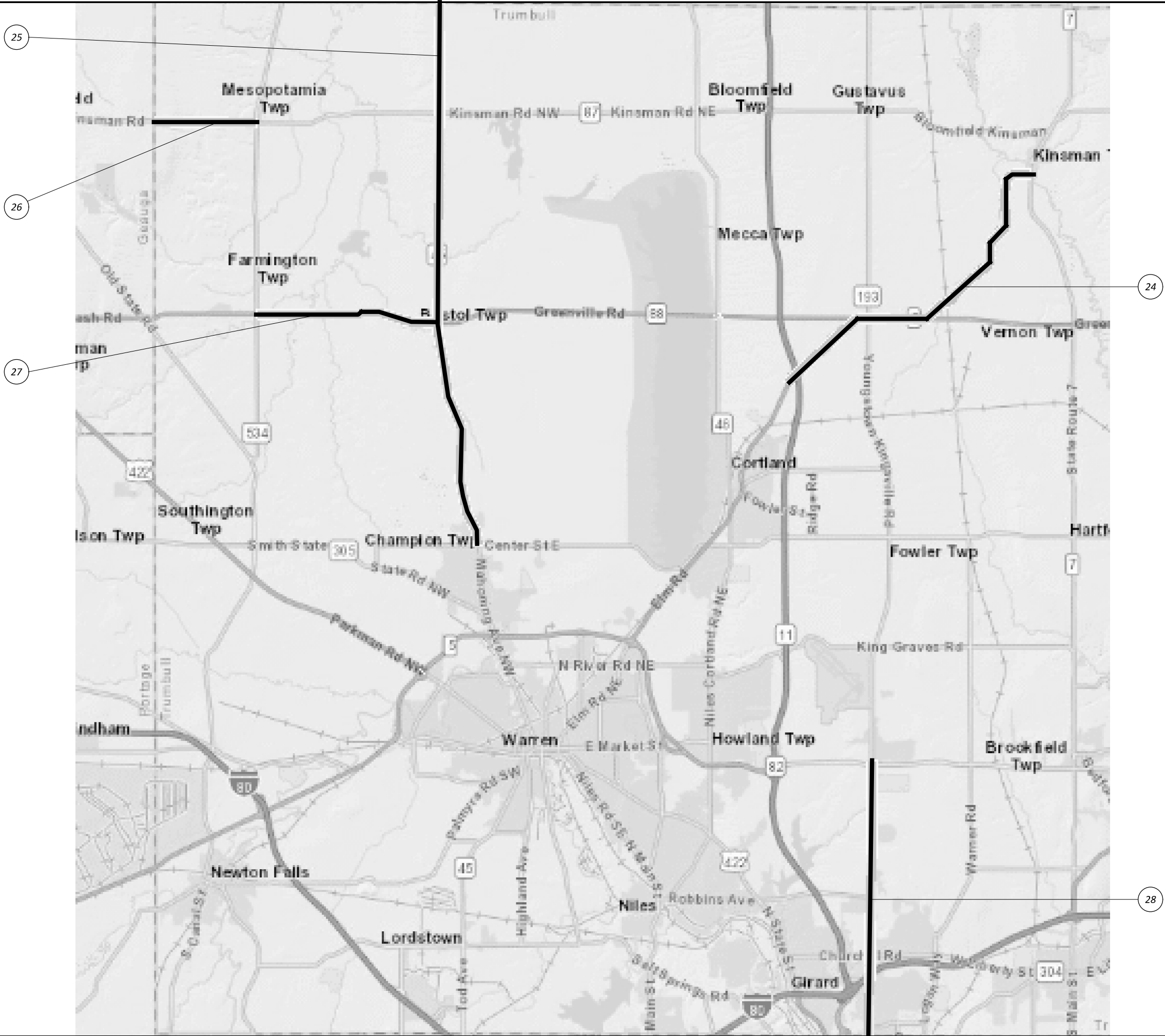
P.5

TOTAL

17







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 PERFORMED ON ANY RAILROAD RIGHT-OF-WAY.

STATE SCENIC RIVER - WEST BRANCH OF THE ASHTABULA RIVER AND PYMATUNING CREEK

THE CONTRACTOR SHALL NOT DISCHARGE TOXIC OR HAZARDOUS MATERIALS SUCH AS SEALANTS, PAINT, SOLVENTS, CLEANING AGENTS, EARTHEN MATERIALS, WASTE-WATER, FUELS OR DEBRIS OF ANY KIND TO A SCENIC RIVER, ITS TRIBUTARIES, OR DRAINAGE WAYS. IF REFUELING OF IMMOBILE EQUIPMENT IS NECESSARY WITHIN THE FLOODPLAIN OR NEAR ANY TRIBUTARY DRAINAGE WAYS, DITCHES, OR STREAM, THE CONTRACTOR SHALL PROVIDE SECONDARY CONTAINMENT WITH ENOUGH CAPACITY TO COMPLETELY CONTAIN AND COLLECT ALL POTENTIAL LIQUID WASTES IN THE EVENT OF A SPILL.

ANY AND ALL CONSTRUCTION DEBRIS, EARTHEN DEBRIS, EXCESS ASPHALT OR CONCRETE, WOOD DEBRIS FROM CLEARING, EXCESS FILL MATERIAL, AND TRASH SHOULD BE DISPOSED OF AT AN APPROVED UPLAND SITE OR LAND FILL ABOVE FEMA 100-YEAR FLOOD ELEVATIONS. DISPOSAL OF ANY SUCH MATERIALS WITHIN 1000 FEET OF THE STATE SCENIC WEST BRANCH OF THE ASHTABULA RIVER AND STATE SCENIC PYMATUNING CREEK IS PROHIBITED.

IN ACCORDANCE WITH ORC 3750.06, REPORTABLE SPILLS MUST BE REPORTED TO THE LOCAL FIRE DEPARTMENT (911), THE LOCAL EMERGENCY COORDINATORS MIKE FITCHET, ASHTABULA COUNTY EMA DIRECTOR (440-576-3500) AND JOHN HICKEY, TRUMBULL COUNTY EMA DIRECTOR (330-770-0222), AND THE OHIO SPILL LINE (1-800-282-9378).

THE CONTRACTOR SHALL KEEP ALL IDLE EQUIPMENT, FUELS, LUBRICANTS, AND ANY STORAGE FOR/OF POTENTIALLY TOXIC OR HAZARDOUS MATERIALS OUT OF THE FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA AND NOT WITHIN 1000 FEET OF THE STATE SCENIC WEST BRANCH OF THE ASHTABULA RIVER AND STATE SCENIC PYMATUNING CREEK.

THE CONTRACTOR SHALL NOTIFIY THE PROJECT ENGINEER 40 DAYS PRIOR TO WORK WITHIN 1000 FEET OF THE STATE SCENIC WEST BRANCH OF THE ASHTABULA RIVER AND STATE PYMATUNING CREEK. THE PROJECT ENGINEER SHALL NOTIFY THE DISTRICT ENVIRONMENTAL COORDINATOR 35 DAYS PRIOR TO WORK WITHIN 1000 FEET OF THE SCENIC RIVER. THE DISTRICT ENVIRONMENTAL COORDINATOR SHALL COORDINATE WITH ODNR SCENIC RIVERS A MINIMUM OF 30 DAYS PRIOR TO ANY WORK WITHIN 1000 FEET OF STATE SCENIC WEST BRANCH OF THE ASHTABULA RIVER AND STATE SCENIC PYMATUNING CREEK.

GENERAL NOTES

DESIGN AGENCY



DESIGNER

CMR

REVIEWER

CLG 01-13-22

PROJECT ID

116077

SHEET

P.9

TOTAL

17

ITEM 614, 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. FOR WORK AREAS OF THREE LANES OR LESS:
A MINIMUM OF ONE TEN FOOT BIDIRECTIONAL LANE SHALL BE MAINTAINED ON THE EXISTING PAVEMENT OR COMPLETED PAVEMENT DURING CONSTRUCTION OF THE WORK. MAINTAIN TRAFFIC IN ACCORDANCE WITH THE APPLICABLE STANDARD DRAWINGS.
- FOR WORK AREAS OF FOUR LANES OR MORE:
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. MAINTAIN TRAFFIC IN ACCORDANCE WITH THE APPLICABLE STANDARD DRAWINGS.
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.

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.

ATB-84/VAR-21.80/VAR (PID: 96551)
TRU-87-2.26 (PID: 98491)
TRU-534/VAR-0.00/VAR (PID: 101951)
MAH WESTERN RD. (PHASE 1) (PID: 80674)
MAH-680-0.00 (PID: 91898)
MAH-680-0.68/3.73 (PID: 105857)
MAH-12/VAR-0.00/VAR (PID: 111581)
MAH-76/80-3.53/0.00 (PID: 115092)
POR-44/VAR-16.48/VAR (PID: 102394)
POR-76-16.58/21.18 (PID: 102858)
POR/SUM-MCRO FY2022 (PID: 105120)
POR-14-12.96 (PID: 105860)
POR PAVEMENT MARKINGS FY2021 (PID: 112261)
POR NEW MILFORD/TALLMADGE RD. (PID: 112755)
SUM OLDE EIGHT RESURFACING (PID: 108454)
CUY/SUM-48/91-29.69/19.07 (PID: 110698)
SUM-17-23.27 BRECKSVILLE RD. (PID: 115338)
STA-93/236-11.71/0.00 (PID: 101417)
STA-21-2.80 (PID: 106134)
D04-BH-FY2022 A (PID: 103025)
D04-CULVERTS-FY2022 (PID: 106199)
D04-CHIP-FY2022 (PID: 109580)

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.

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.

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.

DESIGN AGENCY



DESIGNER

CMR

REVIEWER

CLG 01-13-22

PROJECT ID

116077

SHEET

P.10

TOTAL

17

[illegible]

LOCATION													423	REMARKS
COUNTY	ROUTE	SECTION (S.L.M.)		LENGTH (MI)	AVERAGE WIDTH (FT)								CRACK SEALING, TYPE IV	
		FROM	TO										SY	
ATB	84	3.85	7.78	3.93	26								59946	
ATB	86	0.00	3.33	3.33	24								46886	
ATB	167	7.69	10.46	2.77	24								39002	
ATB	167	11.37	14.08	2.71	24								38157	
ATB	193	2.47	7.45	4.98	24								70118	
TOTALS CARRIED TO GENERAL SUMMARY													254109	

ATB INTERSECTIONS

<u>SR 84</u>				<u>SR 167</u>			
WALNUT	SLM 3.89	STANHOPE-KELLOGSVILLE	SLM 7.69	US 322	SLM 2.47	BABCOCK	SLM 3.54
CENTENNIAL	SLM 3.98	LEWIS	SLM 9.22	WINDSOR	SLM 4.07	LINTON	SLM 4.98
BARNUM	SLM 4.70	SR 7	SLM 10.46	DODGEVILLE	SLM 6.37	CHERRY VALLEY	SLM 7.40
SYLVAN	SLM 4.87	SR 7	SLM 11.37	US 6	SLM 7.45		
MYERS	SLM 5.03	CREEK	SLM 11.73				
TUTTLE	SLM 5.39	MIDDLE	SLM 13.25				
SEXTON	SLM 5.91	STATE LINE	SLM 14.08				
BROWN	SLM 7.04						
<u>SR 86</u>							
CHARDON WINDSOR	SLM 0.06						
IRELAND	SLM 0.59						
HYDE	SLM 1.64						
STONEVILLE	SLM 1.94						
WISWELL	SLM 2.28						
SR 534	SLM 3.33						

ATB CALCULATIONS

DESIGN AGENCY



DESIGNER

CMR

REVIEWER

CLG 01-13-22

PROJECT ID

116077

SHEET

P.12

TOTAL

17

LOCATION													
COUNTY	ROUTE	SECTION (S.L.M.)		LENGTH (MI)	AVERAGE WIDTH (FT)							423	REMARKS
												CRACK SEALING, TYPE IV	
		FROM	TO									SY	
MAH	164	5.54	7.05	1.51	32							28348	
MAH	164	7.05	7.17	0.12	39							2746	
MAH	164	7.17	7.36	0.19	45							5016	
MAH	170	0.00	0.79	0.79	24							11123	
MAH	224	2.88	7.60	4.72	30							83072	
MAH	617	3.78	4.74	0.96	28							15770	
TOTALS CARRIED TO GENERAL SUMMARY												146075	

MAH INTERSECTIONS

- SR 164
- PAULIN

CALLA

CALLA

NORTH LIMA

KREIDLER

RAMP FROM IR 680

RAMP TO IR 680
- SLM 5.73

SLM 6.23

SLM 6.28

SLM 6.36

SLM 6.68

SLM 7.23

SLM 7.33

- SR 170
- SPRING
- SLM 0.78

- US 224
- PRICETOWN

WEAVER

DUCK CREEK

BAILEY

ELLSWORTH

SALEM-WARREN
- SLM 2.88

SLM 4.25

SLM 5.09

SLM 6.09

SLM 7.50

SLM 7.60

- SR 617
- YOUNGSTOWN PITTSBURG

SPRING

CHERRY

STATE LINE
- SLM 7.77

SLM 3.83

SLM 4.00

SLM 4.74

LOCATION													423	REMARKS
COUNTY	ROUTE	SECTION (S.L.M.)		LENGTH (MI)	AVERAGE WIDTH (FT)							CRACK SEALING, TYPE IV		
		FROM	TO										SY	
POR	14	25.25	25.34	0.09	28								1478	
POR	43	0.00	2.66	2.66	25								39013	
POR	43	2.66	2.82	0.16	35								3285	
POR	43	2.82	3.56	0.74	26								11287	
POR	43	3.56	3.95	0.39	30								6864	
POR	43	3.95	7.51	3.56	31								64745	
POR	43	7.51	7.65	0.14	50								4107	
POR	43	7.65	8.02	0.37	69								14978	
POR	43	8.02	8.15	0.13	80								6101	
POR	43	8.15	9.89	1.74	69								70435	
POR	59	3.32	3.67	0.35	64								13141	
POR	59	3.67	3.80	0.13	72								5491	
POR	59	3.80	4.10	0.30	53								9328	
POR	59	4.10	4.18	0.08	38								1783	
POR	59	4.18	4.44	0.26	40								6101	
POR	59	4.44	4.51	0.07	36								1478	
POR	59	4.51	4.61	0.10	32								1877	
POR	59	4.61	4.68	0.07	41								1684	
POR	59	4.68	4.81	0.13	68								5186	
POR	59	4.81	5.87	1.06	56								34825	
POR	59	5.87	6.19	0.32	51								9574	
POR	59	6.19	6.38	0.19	62								6911	
POR	59	6.38	6.83	0.45	50								13200	
POR	76	9.73	21.20	11.47	76								511409	
POR	88	7.90	10.98	3.08	24								43366	
POR	224DC	0.00	0.04	0.04	35								821	
POR	224	13.51	18.50	4.99	30								87824	
POR	224	18.50	18.67	0.17	34								3391	
POR	225	0.00	2.53	2.53	30								44528	
POR	261	0.00	0.68	0.68	38								15159	
POR	261	0.68	0.76	0.08	57								2675	
POR	261	0.76	0.93	0.17	70								6981	
POR	261	0.93	0.99	0.06	82								2886	
TOTALS CARRIED TO GENERAL SUMMARY													1051917	

POR INTERSECTIONS

SR 14

SR 225 SLM 25.25
SR 225 SLM 25.34

SR 43

MANNING SLM 0.63
LAURA SLM 0.78
SWARTZ SLM 0.97
WINGFOOT LAKE SLM 1.38
SUFFIELD OAKS SLM 1.82
WATERLOO SLM 2.46

SR 224
SR 224
ETTER
TRARES
RANDOLPH
SAXE
SQUIRES
CHEROKEE PARK CAMP
DORALEE
OVERLOOK
SUNVIEW
HILLTOP
PARKSIDE
SUNVIEW

SLM 2.73
SLM 2.74
SLM 2.78
SLM 2.86
SLM 3.93
SLM 5.38
SLM 5.57
SLM 5.87
SLM 5.88
SLM 6.14
SLM 6.19
SLM 6.21
SLM 6.25
SLM 6.44

OLD FORGE
HIGHPOINT
ARCADIA
DUSSEL
TALLMADGE
KELSO
TOWN SQUARE
BEAL
RAMPS IR 76
EDSON
RAMPS IR 76
HOLIDAY
SANCTUARY VIEW
BRIMFIELD

SLM 6.57
SLM 6.79
SLM 7.10
SLM 7.14
SLM 7.76
SLM 7.91
SLM 8.13
SLM 8.18
SLM 8.19
SLM 8.35
SLM 8.36
SLM 8.42
SLM 8.52
SLM 8.74

HOWE
SHERMAN

SR 59

ALPHA
RHODES
WHISPERING PINES
SR 261
ERIE
COX
PEBBLEBROOK
PEBBLEBROOK APT
APPLE BLOSSOM
VILLAGE ESTATES

SLM 8.98
SLM 9.45

SLM 3.39
SLM 3.47
SLM 3.65
SLM 3.79
SLM 4.30
SLM 4.41
SLM 4.70
SLM 4.80
SLM 4.92
SLM 5.70

VILLAGES ESTATES
MENOUGH
BRADY LAKE
HOOVER
SHORT
SPRING
HILL
BRIDGE
BRAMLEY
MORGAN

SR 88
SR 303
NICHOLS

SLM 5.83
SLM 5.86
SLM 6.31
SLM 6.33
SLM 6.38
SLM 6.44
SLM 6.51
SLM 6.58
SLM 6.66
SLM 6.79

SLM 7.94
SLM 8.00

ANDERSON
SLAGLE
HEWINS

US 224
WATERLOO
PORTER
ALLIANCE
NOTMAN
WATSON
US 224
SR 14
US 224

SLM 8.59
SLM 9.56
SLM 9.90

SLM 13.51
SLM 14.79
SLM 16.09
SLM 17.10
SLM 17.85
SLM 18.59
SLM 18.63
SLM 18.67

SR 225
GERMAN CHURCH
VIRGINIA
FEWTOWN
ALLIANCE

SR 261
CHERRY
MOGADORE

SLM 0.00
SLM 1.17
SLM 1.27
SLM 2.53

SLM 0.41
SLM 0.99

POR CALCULATIONS

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CLG 01-13-22

PROJECT ID

116077

SHEET

P.14

TOTAL

17

LOCATION													423	REMARKS
COUNTY	ROUTE	SECTION (S.L.M.)		LENGTH (MI)	AVERAGE WIDTH (FT)								CRACK SEALING, TYPE IV	
		FROM	TO										SY	
STA	93	19.24	20.64	1.40	28								22997	
STA	241	14.58	15.36	0.78	30								13728	
STA	241	15.36	15.81	0.45	65								17160	
STA	241	15.81	15.95	0.14	40								3285	
STA	241	15.95	17.90	1.95	30								34320	
TOTALS CARRIED TO GENERAL SUMMARY													91491	

STA INTERSECTIONS

<u>SR 93</u>	
TRITTS	SLM 20.01
CAMELOT	SLM 20.04
SPRING GROVE	SLM 20.31
BABST	SLM 20.46
<u>SR 241</u>	
MUDBROOK	SLM 14.58
PONTBERRY	SLM 14.71
SUWANEE	SLM 15.13
PINELANE	SLM 15.18
THORNWOOD	SLM 15.21
CELINA	SLM 15.26
PORTAGE	SLM 15.59
GLORINE	SLM 15.76
NANCY JO	SLM 15.82
BRAUCHER	SLM 16.10
HUCKLEBERRY	SLM 16.19
STRAUSSER	SLM 16.62
WILLOWDALE	SLM 16.86
SHUFFEL	SLM 17.38
MT PLEASANT	SLM 17.90

STA CALCULATIONS

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REVIEWER

CLG 01-13-22

PROJECT ID

116077

SHEET TOTAL

P.15 17

LOCATION													423	REMARKS
COUNTY	ROUTE	SECTION (S.L.M.)		LENGTH (MI)	AVERAGE WIDTH (FT)								CRACK SEALING, TYPE IV	
		FROM	TO										SY	
SUM	18	0.00	0.55	0.55	72								23232	
SUM	18	0.55	0.56	0.01	81								475	
SUM	18	0.56	1.01	0.45	72								19008	
SUM	18	1.01	1.26	0.25	83								12173	
SUM	18	1.26	1.55	0.29	100								17013	
SUM	21	19.40	19.57	0.17	44								4388	
SUM	21	19.57	19.69	0.12	48								3379	
SUM	21	19.69	19.82	0.13	68								5186	
SUM	21	19.82	20.12	0.30	65								11440	
SUM	21	20.12	20.18	0.06	68								2394	
SUM	21	20.18	20.21	0.03	75								1320	
SUM	21	20.21	20.26	0.05	69								2024	
SUM	21	20.26	20.36	0.10	75								4400	
SUM	21	20.36	20.43	0.07	63								2587	
SUM	21	20.43	20.77	0.34	69								13763	
SUM	76	0.00	0.48	0.48	88								24781	
SUM	76	0.48	4.02	3.54	120								249216	
SUM	271	11.22	11.45	0.23	80								10795	
SUM	271	11.45	11.84	0.39	96								21965	
SUM	271	11.84	12.40	0.56	156								51251	
SUM	271	12.40	15.24	2.84	120								199936	
TOTALS CARRIED TO GENERAL SUMMARY													680727	

SUM INTERSECTIONS

<u>SR 18</u>	
MEDINA LINE	SLM 0.00
HARMONY HILLS	SLM 0.34
CREEKSIDE	SLM 0.61
HAMETOWN	SLM 0.87
HAMETOWN	SLM 1.01
SCENICVIEW	SLM 1.19
HERITAGE WOODS	SLM 1.43
CRTSTAL LAKE	SLM 1.55
<u>SR 21</u>	
RAMP TO IR 77	SLM 19.57
BOSTON MILLS	SLM 19.68
FARNHAM	SLM 19.88
BURSHWOOD	SLM 20.17
RAMPS IR 77	SLM 20.23
RAMPS IR 77	SLM 20.38
COLUMBIA	SLM 20.77

SUM CALCULATIONS

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CLG 01-13-22

PROJECT ID

116077

SHEET

P.16

TOTAL

17

MODEL: Sheet PAPER SIZE: 17x11 (in.) DATE: 2/7/2022 TIME: 2:11:14 PM USER: crees pwc\ohiohdot-pw-bentley.com\shahidol-pw-02\Documents\01 Active Projects\District 04_D04\116077\400-Engineering\Roadway\Sheets\116077_GS007.dgn

LOCATION													423	REMARKS
COUNTY	ROUTE	SECTION (S.L.M.)		LENGTH (MI)	AVERAGE WIDTH (FT)							CRACK SEALING, TYPE IV		
		FROM	TO										SY	
TRU	5	22.00	22.55	0.55	36								11616	
TRU	5	22.55	24.20	1.65	27								26136	
TRU	5	24.20	24.61	0.41	29								6975	
TRU	5	24.61	26.02	1.41	28								23162	
TRU	5	26.02	31.00	4.98	25								73040	
TRU	45	12.90	13.08	0.18	34								3590	
TRU	45	13.08	13.39	0.31	36								6547	
TRU	45	13.39	18.47	5.08	32								95369	
TRU	45	18.47	18.53	0.06	46								1619	
TRU	45	18.53	18.55	0.02	60								704	
TRU	45	18.55	18.60	0.05	64.5								1892	
TRU	45	18.60	18.70	0.10	34								1995	
TRU	45	18.70	20.08	1.38	32								25907	
TRU	45	20.08	20.18	0.10	42								2464	
TRU	45	20.18	21.14	0.96	32								18022	
TRU	87	0.00	1.80	1.80	38								40128	
TRU	87	1.80	2.23	0.43	39								9838	
TRU	87	2.23	2.51	0.28	31								5092	
TRU	88	2.54	7.03	4.49	34								89561	
TRU	193	0.00	0.87	0.87	56								28582	
TRU	193	0.87	0.92	0.05	69								2024	
TRU	193	0.92	0.97	0.05	56								1643	
TRU	193	0.97	1.03	0.06	69								2429	
TRU	193	1.03	1.56	0.53	56								17412	
TRU	193	1.56	1.68	0.12	79								5562	
TRU	193	1.68	1.73	0.05	55								1613	
TRU	193	1.73	1.78	0.05	56								1643	
TRU	193	1.78	1.90	0.12	68								4787	
TRU	193	1.90	1.97	0.07	80								3285	
TRU	193	1.97	2.05	0.08	71								3332	
TRU	193	2.05	3.39	1.34	65								51099	
TRU	193	3.39	3.50	0.11	67								4324	
TRU	193	3.50	3.96	0.46	54								14573	
TRU	193	3.96	4.05	0.09	65								3432	
TRU	193	4.05	6.56	2.51	54								79517	
TRU	193	6.56	6.60	0.04	64								1502	
TRU	193	6.60	6.70	0.10	29								1701	
TRU	193	6.70	6.77	0.07	64								2628	
TOTALS CARRIED TO GENERAL SUMMARY													674746	

TRU INTERSECTIONS

SR 5

RAMPS SR 11	SLM 22.22
RAMPS SR 11	SLM 22.40
RIDGE	SLM 22.65
SR 88	SLM 24.29
SR 88	SLM 24.35
SR 193	SLM 24.59
PORTER	SLM 24.71
STODDARD HAYES	SLM 25.35
SODOM HUTCHINGS	SLM 25.98
SR 88	SLM 26.01

SR 88	SLM 26.08
OLD SR 5	SLM 27.07
CORINTH COURT	SLM 27.45
HAYNES SOUTH	SLM 27.75
BUSHNELL CAMPBELL	SLM 28.94
MAYBURN BARCLAY	SLM 29.70
OLD SR 5	SLM 30.28
BURNETT EAST	SLM 30.43
OLD SR 5	SLM 30.53
OLD SR 5	SLM 30.79
SR 7	SLM 30.95
SR 45	
CENTER	SLM 12.90
EDWARD	SLM 13.16

DURST	SLM 13.25
EARL	SLM 13.39
WARRENTON	SLM 13.51
RIDGE RUN	SLM 13.54
AIRPORT	SLM 14.23
PRENTICE	SLM 14.74
BRISTOL CHAMPION	SLM 15.73
NELSON	SLM 16.20
HOUSEL CRAFT	SLM 16.76
HOUSEL CRAFT	SLM 16.84
HYDE SHAFFER	SLM 17.39
PHELPS	SLM 17.92
SR 88	SLM 18.51
PARK	SLM 18.56
HYDE OAKFIELD	SLM 19.98

NURSE EAST	SLM 20.66
PECK LEACH	SLM 21.13
SR 87	
BUNDYSBURG WIND	SLM 0.00
PARKMAN MESO	SLM 1.10
SR 534	SLM 2.50
SR 88	
SR 534	SLM 2.54
STROUPS HICKOX	SLM 3.70
HOFFMAN NORTON	SLM 4.68
COREY HUNT	SLM 5.76
SR 45	SLM 7.02

SR 193	
GYPSY	SLM 0.00
CRUMRINE	SLM 0.10
BELGRADE	SLM 0.15
COLONIAL	SLM 0.23
AMHERST	SLM 0.26
DARLINGTON	SLM 0.31
TRUMBULL	SLM 0.51
EUCLID	SLM 0.58
MANSELL	SLM 0.65
GOLDIE	SLM 0.82
HAZELWOOD	SLM 0.94
LIBERTY PLAZA	SLM 1.01
LAUREL	SLM 1.11

MONTROSE	SLM 1.19
CATHERINE	SLM 1.27
LIBERTY	SLM 1.35
MOTOR INN	SLM 1.57
CHURCHILL	SLM 1.97
EXCELLENCE	SLM 2.40
NAYLOR LLOYD	SLM 2.76
TERRA BELLA	SLM 2.97
WILSON	SLM 3.04
HARDING	SLM 3.09
LINCOLN	SLM 3.14
PARK	SLM 3.20
LIBERTY	SLM 3.25
GARFIELD	SLM 3.31

TIBBETTS WICK	SLM 3.41
KLINES	SLM 4.03
LUCRETIA	SLM 4.08
TUTTLE	SLM 4.38
CREWS HOOD	SLM 4.79
LITCO	SLM 4.98
SMITH STEWART	SLM 5.18
SMITH STEWART	SLM 5.37
SQUAW CREEK	SLM 6.16
SHERIDAN	SLM 6.29
CREEKSIDE	SLM 6.52

TRU CALCULATIONS

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116077

SHEET

P.17

TOTAL

17