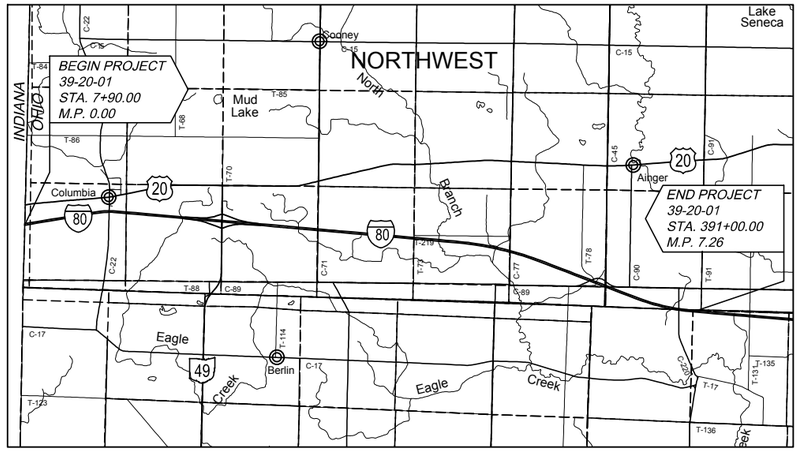
OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

THE JAMES W. SHOCKNESSY OHIO TURNPIKE



LOCATION MAP

LATITUDE: 41°37'42" N LONGITUDE: 84°44'12" W

SCALE IN MILES

0 1 2 3 4

N

PORTION TO BE IMPROVED
STATE & FEDERAL ROUTES — 21 224 76
COUNTY & TOWNSHIP ROUTES — C-000 T-000

PROJECT NO. 39-20-01A
MAINLINE PAVEMENT RECONSTRUCTION

MILEPOST 0.00 TO MILEPOST 7.26

STATION 7+90.00 TO STATION 391+00.00

WILLIAMS COUNTY

DATE PREPARED: 05/10/19

SITE OPERATOR:

TO BE DETERMINED

SWP3 AUTHORIZATION:

LEONARDO SFERRA, CPESC
GPD GROUP
520 SOUTH MAIN STREET
SUITE 2531
AKRON, OH 44311
330.572.2100
lsferra@gpdgroup.com

INDEX OF SHEETS

TITLE SHEET AND SWP3 QUANTITIES	175
GENERAL NOTES	176
STA. 7+90 TO STA. 59+00	177
STA. 59+00 TO STA. 114+00	178
STA. 114+00 TO STA. 172+00	179
STA. 172+00 TO STA. 201+00	180
STA. 201+00 TO STA. 230+00	181
STA. 230+00 TO STA. 287+00	182
STA. 287+00 TO STA. 345+00	183
STA. 345+00 TO STA. 391+00	184
GRADING ACTIVITY AND AMENDMENT LOG	185

POST-CONSTRUCTION STORM WATER TREATMENT:

THIS PLAN UTILIZES STRUCTURAL BEST MANAGEMENT PRACTICES (BMP'S) FOR POST CONSTRUCTION STORM WATER TREATMENT. EXTENDED DETENTION BASINS ARE PROVIDED FOR POST CONSTRUCTION STORM WATER TREATMENT AS NOTED BELOW.

PROJECT DESCRIPTION:

RECONSTRUCTION OF THE MAINLINE PAVEMENT OF THE OHIO TURNPIKE (IR-80) BETWEEN MILEPOSTS 0.00 AND 7.26, INCLUDING RELOCATION OF THE EXISTING WESTGATE TOLL PLAZA AT MILEPOST 2.70 TO THE PROPOSED LOCATION AT MILEPOST 3.60.

PROJECT DATA

TOTAL AREA (RIGHT-OF-WAY)	269.40 AC.
PROJECT EARTH DISTURBED AREA (FIGURE 1112-1)	188.02 AC.
ESTIMATED CONTRACTOR EARTH DISTURBED AREA (FIGURE 1112-1)	1.00 AC.
NOTICE OF INTENT EARTH DISTURBED AREA (FIGURE 1112-1)	189.02 AC.
RUNOFF COEFFICIENT FOR PRE-CONSTRUCTION SITE	0.63
RUNOFF COEFFICIENT FOR POST-CONSTRUCTION SITE	0.66
TOTAL IMPERVIOUS AREA (PRE-CONSTRUCTION)	88.38 AC.
TOTAL IMPERVIOUS AREA (POST-CONSTRUCTION)	106.19 AC.
PERCENT IMPERVIOUS (POST-CONSTRUCTION)	39.4%
SOIL MAP REFERENCE	WILLIAMS COUNTY SOIL SURVEY (NRCS WEB SOIL SURVEY)
IMMEDIATE RECEIVING WATERS	EAGLE CREEK AND NORTH BRANCH EAGLE CREEK
SUBSEQUENT RECEIVING WATERS	SAINT JOSEPH RIVER
LATITUDE	41°37'42" N
LONGITUDE	84°44'12" W
USGS MAP REFERENCE	CLEAR LAKE, EDON, NETTLE LAKE, AND BLAKESLEE QUADRANGLES

ESTIMATED QUANTITIES

STATION FROM	STATION TO OR AT	SHEET	832 PERIMETER GEOTEXTILE FABRIC FENCE	GEOTEXTILE FABRIC DITCH CHECK	CURB INLET PROTECTION, AS PER PLAN	INLET PROTECTION	ROCK CHANNEL PROTECTION, TYPE D WITHOUT FILTER	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	SEDIMENT BASINS	BASIN SEDIMENT REMOVAL	WINTER SEEDING AND MULCHING
			FT.	FT.	EA.	FT.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	SQ. YD.
7+90	59+00	177	545	525		315	16				
59+00	114+00	178	525	900		395	36				
114+00	172+00	179	1370	915	7	210	32				
172+00	201+00	180	330	510	3		32				
201+00	230+00	181	3495	630	5	150	20				
230+00	287+00	182	415	645	2	255	32				
287+00	345+00	183	310	600		300	32				
345+00	391+00	184	170	495		220	16				
SUBTOTALS FROM THIS SHEET			7160	5220	17	1845	216	0	0	0	0
CONTINGENCY QUANTITIES			720	530	2	190	22				
ADDITIONAL CONTINGENCY QUANTITIES (SEE NOTE 18)			15000					50	10000	2500	221100
TOTALS TO GENERAL SUMMARY			22880	5750	19	2035	238	50	10000	2500	221100

THESE QUANTITIES CARRIED TO GENERAL SUMMARY SHEET 162.

1

APPLICABLE STANDARD DRAWINGS:

ODOT HYDRAULIC STANDARD CONSTRUCTION DRAWING DM-4.3 (1-15-16)
ODOT HYDRAULIC STANDARD CONSTRUCTION DRAWING DM-4.4 (1-15-16)
ODOT ROADWAY STANDARD CONSTRUCTION DRAWING BP-4.1 (7-19-13)

WATERS OF THE STATE PROTECTION:

IF CONSTRUCTION ACTIVITIES DISTURB AREAS ADJACENT TO WATERS OF THE STATE, STRUCTURAL PRACTICES SHALL BE IMPLEMENTED ON SITE TO PROTECT ALL ADJACENT WATERS OF THE STATE FROM THE IMPACTS OF SEDIMENT RUNOFF. NO STRUCTURAL SEDIMENT CONTROLS SHALL BE USED IN THE WATERS OF THE STATE. FOR ALL CONSTRUCTION ACTIVITIES IMMEDIATELY ADJACENT TO SURFACE WATERS OF THE STATE, A FIFTY (50) FOOT PERMANENT BUFFER SETBACK FROM AN INTERMITTENT STREAM AND A SEVENTY-FIVE FOOT SETBACK FROM A PERENNIAL STREAM SHOULD BE MAINTAINED IN ITS NATURAL STATE AND LEFT UNDISTURBED ALONG WATERS OF THE STATE, AS MEASURED FROM THE ORDINARY HIGH WATER MARK OF THE SURFACE WATER. WHERE IMPACTS WITHIN THIS SETBACK ARE UNAVOIDABLE DUE TO THE NATURE OF THE CONSTRUCTION ACTIVITY, THE PROJECT SHALL BE DESIGNED SUCH THAT THE NUMBER OF STREAM CROSSINGS AND THE WIDTH OF THE DISTURBANCE WITHIN THE SETBACK AREA ARE MINIMIZED.

THE CONTRACTOR SHALL NOT PLACE ANY EQUIPMENT IN OR PERFORM ANY WORK IN ANY OF THE STREAMS CROSSING THE PROJECT AREA. EQUIPMENT SHALL BE MOVED ACROSS STREAM CHANNELS ON EXISTING BRIDGES. NO TEMPORARY STREAM CROSSINGS MAY BE CONSTRUCTED.

ADDITIONAL CONTROLS:

ANY ADDITIONAL SEDIMENT AND EROSION CONTROLS REQUIRED TO MANAGE SEDIMENT AND EROSION FOR THIS PROJECT, NOT SEPARATELY ITEMIZED BELOW, AND REQUIRED IN THE STORM WATER POLLUTION PREVENTION PLAN (SWP3) AND/OR REQUIRED AS PART OF SUPPLEMENTAL SPECIFICATION 832, SHALL BE PAID FOR AT THE LUMP SUM BID PRICE FOR ITEM 832 - EROSION CONTROL.

ITEM 832 - CURB INLET PROTECTION, AS PER PLAN

CURB INLET PROTECTION SHALL BE DANDY CURB OR APPROVED EQUAL.

REQUIRED SWP3 SUBMITTALS:

THE CONTRACTOR SHALL PREPARE AND SUBMIT THE FOLLOWING TO THE OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION IN ORDER TO FINALIZE THE STORM WATER POLLUTION PREVENTION PLAN:

- NOI CO-PERMITTEE FORM (SUBMIT TO OHIO EPA).
- SCHEDULE OF DISTURBANCE.
- IDENTIFICATION OF ALL ON-SITE BATCH PLANTS (IF ANY).
- IDENTIFICATION OF PROPOSED WASTE AND BORROW AREAS.
- IDENTIFICATION OF PROPOSED ON-SITE FUELING AREAS.
- IDENTIFICATION OF STAGING AND MATERIAL STORAGE AREAS.
- IDENTIFICATION OF BATCHING AREAS AND MIXING AREAS.
- SPILL PREVENTION CONTROL AND COUNTER MEASURES PLAN (IF NEC.).
- WASTE HANDLING PLAN.
- HAZARDOUS WASTE SPILL PLAN.

SWP3 NOTES:

THIS SWP3 IS MEANT TO BE USED AS A BASE PLAN FOR THE CONTRACTOR AND IS REQUIRED TO BE MODIFIED, AS NECESSARY, AND CERTIFIED THAT THE PLAN IS APPROPRIATE FOR THE MEANS, METHODS, AND CONSTRUCTION SCHEDULE TO BE EMPLOYED BY THE CONTRACTOR DURING CONSTRUCTION OF THIS PROJECT. FURTHERMORE, ANY MODIFICATIONS TO THE SWP3 REQUIRED AS A RESULT OF A CONTROL(S) NOT PERFORMING AS INTENDED, NOT INITIALLY PROPOSED, OR NOT REQUIRED SHALL BE TREATED AS A CHANGE ORDER ITEM. ONCE A CHANGE ORDER IS APPROVED, THE CONTRACTOR IS RESPONSIBLE FOR MAKING SURE THE SWP3 IS REVISED AND LOGGED IN THE SWP3 REVISION LOG.

BASED ON SOIL MAPPING IN THE WILLIAMS COUNTY SOIL SURVEYS, NO HIGHLY UNSTABLE OR ERODIBLE NATIVE SOILS ARE PRESENT. THE ERODIBLE PROPERTIES OF FILL MATERIAL USED FOR LOCAL ROAD OVERPASSES IS UNKNOWN BUT THE CONTRACTOR SHALL TAKE CARE TO AVOID DISTURBING OVERPASS EMBANKMENTS FOR ANY LOCAL ROAD CROSSING IN THE PROJECT AREA. FOR EXISTING SOIL DATA, SEE SOIL BORINGS.

EXTENDED DETENTION BASINS ARE PROPOSED AS PART OF THIS PROJECT FOR PERMANENT STORM WATER MANAGEMENT AND EROSION AND SEDIMENT CONTROL.

EXTENDED DETENTION BASIN

THIS PLAN UTILIZES EXTENDED DETENTION BASIN(S) FOR POST CONSTRUCTION STORM WATER TREATMENT. DETENTION BASINS MAY BE USED AS SEDIMENT CONTROL DEVICES DURING CONSTRUCTION. FOLLOWING STABILIZATION OF THE TRIBUTARY AREA, FINAL GRADING OF THE DETENTION BASIN MUST MATCH THE PLANS. THE DETENTION BASIN OUTLET STRUCTURE FOR CONSTRUCTION SEDIMENT CONTROL MUST BE REMOVED AND THE OUTLET STRUCTURE MUST BE MADE TO MATCH THE DESIGN SHOWN IN THE PLANS.

THE FOLLOWING ESTIMATED CONTINGENCY QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER:

ITEM 832 - BASIN SEDIMENT REMOVAL 1163 CU. YD.

CHECKING PRINT
CHECKED: DATE: CORRECTED: DATE:
BACKCHECKED: DATE: APPROVED: DATE:

2018161DE001.dwg; 8/26/20 - 3:06pm

DESIGN AGENCY
GPD GROUP®
Akron, Ohio 44311
330.572.2100 www.gpdgroup.com

NO.	REVISIONS	BY	DATE
1	ADDENDUM #5	PJF	8/26/20

DESIGNED	CHECKED	DRAWN	IN CHARGE
BGC	JLR	BGC	MRG

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

SWP3
TITLE SHEET AND SWP3 QUANTITIES

PROJECT 39-20-01A
DATE: 06/26/20