

REVIEW OF CURB RAMPS

PRIOR TO THE START OF WORK, PERFORM AN INSPECTION WITH REPRESENTATIVES OF THE DEPARTMENT AND CONTRACTOR OF ALL CURB RAMPS INCLUDED IN THE PROJECT LIMITS. PRIOR TO THE INSPECTION, THE CONTRACTOR SHALL MARK THE WORK LIMITS OF ALL CURB RAMPS AND ASSOCIATED WORK TO IDENTIFY ANY CONDITIONS THE CONTRACTOR CANNOT BRING INTO ADA COMPLIANCE PER BP-7.1. THE DEPARTMENT SHALL HAVE TEN (10) BUSINESS DAYS TO RESOLVE ANY SUCH ANTICIPATED NON-COMPLIANCE WITH AN ADA WAIVER, QUANTITY CHANGE OR DESIGN REVISION PRIOR TO THE START OF WORK.

IMMEDIATELY FOLLOWING INSTALLATION OF FORMWORK FOR CURB RAMP CONCRETE PLACEMENT AND PRIOR TO PLACEMENT OF CONCRETE, THE CONTRACTOR SHALL VERIFY ADA COMPLIANCE BASED UPON MEASUREMENT OF THE FORMS. THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED OF ANY NON-COMPLIANT ADA CONDITIONS MEASURED BY THE CONTRACTOR WITHIN THE WORK LIMITS. THE ENGINEER SHALL HAVE THREE (3) BUSINESS DAYS TO RESOLVE ANY SUCH NON-COMPLIANCE WITH A CORRECTIVE FORM LAYOUT, ADA WAIVER, QUANTITY CHANGE OR DESIGN CHANGE PRIOR TO THE PLACEMENT OF CONCRETE.

THE CONTRACTOR IS RESPONSIBLE TO CORRECT ANY ADA NON-COMPLIANCE FOR ALL ISSUES NOT REPORTED TO THE ENGINEER IN THE INITIAL INSPECTION AND/OR THE FORM INSTALLATION MEASUREMENT. MODIFICATION OF FORMS INTO A COMPLIANT CONFIGURATION AND/OR REMOVAL AND RECONSTRUCTION OF FINISHED WORK SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE IS INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 608 CURB RAMP ITEMS.

RUMBLE STRIPES

THE FOLLOWING ITEMS AND QUANTITIES HAVE BEEN PROVIDED TO INSTALL RUMBLE STRIPES ALONG THE FOLLOWING ROUTES:

EDGE LINE:
SR 224: SLM 0.00 TO SLM 2.46
SR 534: SLM 10.77 TO SLM 11.28
SR 534: SLM 13.82 TO SLM 16.07

CENTERLINE:
SR 224: SLM 0.00 TO SLM 2.46
SR 534: SLM 9.23 TO SLM 16.26

THE LONGITUDINAL JOINT PREPARATION PAY ITEM IS ONLY PROVIDED FOR THE LOCATIONS OF THE INSTALLATION OF THE CENTERLINE RUMBLE STRIPES. IN ALL OTHER AREAS WHERE JOINTS ARE REQUIRED THE CONTRACTOR SHALL FOLLOW CMS 401.

QUANTITIES FOR THIS WORK ARE INCLUDED IN THE PAVEMENT CALCULATIONS ON SHEETS P.12 & P.13.

ROADWAY CROWN

A QUANTITY OF ITEM 441 - ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449) SHALL BY USED AS DIRECTED BY THE PROJECT ENGINEER TO RE-ESTABLISH THE 0.016 CROWN ON MAH-534 FROM SLM 8.46 TO SLM 13.73.

QUANTITIES FOR THIS WORK ARE INCLUDED IN THE PAVEMENT CALCULATIONS ON SHEET P.13.

THE THICKNESS OF THE ABOVE QUANTITY SHALL VARY FROM 1" TO 3", OR AS DIRECTED BY THE PROJECT ENGINEER. PAVEMENT PLANING AT THIS LOCATION SHALL VARY FROM 1" TO 4.25", OR AS DIRECTED BY THE PROJECT ENGINEER. PAYMENT FOR ADDITIONAL PAVEMENT PLANING SHALL BE INCIDENTAL TO ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN.

GAS LINE LOCATED AT US-224, SLM 2.34 - 2.38

THE CONTRACTOR SHALL NOT USE VIBRATORY ROLLERS TO COMPACT ASPHALT CONCRETE WITHIN THE LIMITS OF US-224, SLM 2.34 TO 2.38. THE CONTRACTOR SHALL USE OTHER MEANS OF COMPACTION TO AVOID DISTURBING THE EXISTING GAS LINE, SUCH AS STATIC WHEEL OR PNEUMATIC TIRE ROLLERS. THE CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGES TO THE GAS LINE.

ENDANGERED SPECIES HABITAT - INDIANA BAT/NORTHERN LONG-EARED BAT/TRI-COLORED BAT: MAH-534-10.82 AND MAH-534-11.94

THE AFORMENTIONED PROJECT SITES ARE LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT, NORTHERN LONG-EARED BAT AND TRI-COLORED BAT. NO TREES SHALL BE REMOVED AT THESE LOCATIONS FROM APRIL 1 THROUGH SEPTEMBER 30. ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1 THROUGH MARCH 31. THIS REQUIREMENT IS NECESSARY TO ABOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT. FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS A LIVE, DYING OR DEAD WOODY PLANT, WITH A TRUNK THREE INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.

RECREATIONAL BOATING ACCESS - BERLIN RESEVOIR (MAH-224-0.10)

THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO MAINTAIN SAFE ACCESS UNDER THE BRIDGE FOR PADDLERS/BOATERS AT ALL TIMES DURING THE PROJECT CONSTRUCTION DURATION. IF FOR ANY REASON THE CONTRACTOR CAN NOT MAINTAIN AN OPEN CHANNEL, OR IF THE WORK WILL HAVE AN IMPACT ON RECREATIONAL BOATING, THE CONTRACTOR SHALL TEMPORARY CEASE ALL CONSTRUCTION OPERATIONS THAT WOULD IMPACT OR RESTRICT RECREATIONAL BOATING AND NOTIFY THE PROJECT ENFINEER AND ODOT DISTRICT 4 ENVIRONMENTAL SECTION (SEAN CARPENTER, 330-786-2274) SO COORDINATION WITH IDNR CAN BE INITIATED.

DRINKING WATER RESOURCES

THE PROJECT IS LOCATED IN OR NEAR THE SOURCE OF A PUBLIC DRINKING WATER SUPPLY. IN ORDER TO MINIMIZE THE POTENTIAL TO CONTAMINATE THIS WATER SUPPLY, PROJECT RELATED REFUELING AND EQUIPMENT MAINTENANCE ACTIVITIES SHALL NOT BE PERFORMED WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL IMMEDIATELY TAKE STEPS TO MITIGATE ANY EVENT, SUCH AS A SPILL OF FUELS, OILS, OR OTHER CHEMICALS THAT COULD THREATEN TO CONTAMINATE THE DRINKING WATER SUPPLY. IN CASE OF AN INCIDENT AND/OR SPILL, THE CONTRACTOR SHALL, AS SOON AS POSSIBLE, NOTIFY THE ENGINEER/SUPERVISOR AND CONTACT THE NEWTON FALLS WATER TREATMENT SUPERVISOR, JEFF HAWKINS: 330-872-1808, MAHONING COUNTY EMERGENCY MANAGEMENT AGENCY: 330-740-2200 OR 24-HOUR EMERGENCY/SPILL REPORTING: 330-799-9721 AND OHIO EPA SPILL REPORTING 24 HOUR EMERGENCY SERVICE: 1-800-282-9378 OR NEDO (330) 963-1200 AND PROVIDE AS MUCH OF THE FOLLOWING INFORMATION AS POSSIBLE: 1. TIME OBSERVED 2. LOCATION 3. MATERIAL RELEASED 4. PROBABLE SOURCE 5. VOLUME & DURATION 6. PRESENT & ANTICIPATED MOVEMENT OF CONTAMINANT 7. PERSONNEL ON SCENE 8. ACTIONS ALREADY INITIATED 9. PERSON(S) ON THE SCENE TO CONTACT.

CATCH BASIN REPLACEMENT

THE CONTRACTOR SHALL REPLACE THE CATCH BASIN AT THE FOLLOWING LOCATION:

MAH-534-9.173 (CFN 1992582), LOCATED OFF THE RIGHT SHOULDER

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE PROJECT ENGINEER:

ITEM 203 - BORROW, 5 CY
ITEM 611 - CATCH BASIN, NO. 2-2B, AS PER PLAN, 1 EACH
ITEM 659 - SEEDING AND MULCHING, 50 SY

THE CONTRACTOR SHALL FIELD VERIFY THE CATCH BASIN DIMENSIONS PRIOR TO ORDERING AND ISNTALLING THE NEW CATCH BASINS. THIS SHALL BE INCIDENTAL TO ITEM 611, CATCH BASIN, NO. 2-2B, AS PER PLAN.

GENERAL NOTES

DESIGN AGENCY



DESIGNER
SBD

REVIEWER
MJA 08-26-25


PROJECT ID
112817

SHEET	TOTAL
P.6	27

SHEET NUM.										PART.				ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
P.4	P.5	P.6	P.12	P.13	P.14	P.15	P.16	P.17		01/STR	02/IMS	03/STR	04/STR						
																		ROADWAY	
			105	738		196				843				202	23500	843	SY	WEARING COURSE REMOVED	
										196				202	30000	196	SF	WALK REMOVED	
121										121				202	98100	121	EACH	REMOVAL MISC.: BARRIER REFLECTOR	P.4
50		5								50				203	10000	50	CY	EXCAVATION (FOR PAVEMENT REPAIR)	
										5				203	40000	5	CY	BORROW	
203				556						203				209	60200	203	STA	LINEAR GRADING	
						160				556				209	72000	556	STA	PREPARING SUBGRADE FOR SHOULDER PAVING	
						36				160				608	10000	160	SF	4" CONCRETE WALK	
	11									36				608	52001	36	SF	CURB RAMP, AS PER PLAN	P.4
										11				623	39501	11	EACH	MONUMENT ASSEMBLY ADJUSTED TO GRADE, AS PER PLAN	P.5
	LS									LS				SPECIAL	69091000	LS		AS-BUILT CONSTRUCTION PLANS	P.5
		50								50				659	10000	50	SY	SEEDING AND MULCHING	
										3,000				832	30000	3,000	EACH	EROSION CONTROL	
		1								1				611	98471	1	EACH	CATCH BASIN, NO. 2-2B, AS PER PLAN	P.6
																		PAVEMENT	
3,250										3,250				251	01000	3,250	SY	PARTIAL DEPTH PAVEMENT REPAIR (441) (LONGITUDINAL)	
500										500				251	01000	500	SY	PARTIAL DEPTH PAVEMENT REPAIR (441) (TRANSVERSE)	
	750									750				253	01000	750	SY	PAVEMENT REPAIR (T = 19")	
	150									150				253	01000	150	SY	PAVEMENT REPAIR (T = 8")	
			54,711	46,116						100,827				254	01000	100,827	SY	PAVEMENT PLANING, ASPHALT CONCRETE (T = 1.5")	
				84,583						84,583				254	01001	84,583	SY	PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN (T = 1" - 4.25")	
50										50				304	20000	50	CY	AGGREGATE BASE (FOR PAVEMENT REPAIR)	
			4,934	16,905						21,893				407	20000	21,839	GAL	NON-TRACKING TACK COAT	
			2,629	7,256						9,885				408	10001	9,885	GAL	PRIME COAT, AS PER PLAN @ 0.40 GAL/SY	P.4
			2,284	4,988						7,272				441	50100	7,272	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M	
				4,112						4,112				441	70300	4,112	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)	
			3	21						24				441	70500	24	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS)	
			183	504						687				617	10101	687	CY	COMPACTED AGGREGATE, AS PER PLAN	P.5
			5	6						11				618	41000	11	MILE	RUMBLE STRIPES, EDGE LINE (ASPHALT CONCRETE)	
			3	7						10				618	43000	10	MILE	RUMBLE STRIPES, CENTER LINE (ASPHALT CONCRETE)	
			12,567	36,802						49,369				874	20000	49,369	FT	LONGITUDINAL JOINT PREPARATION	
																		TRAFFIC CONTROL	
					769					769				621	00100	769	EACH	RPM	
					591					591				621	54000	591	EACH	RAISED PAVEMENT MARKER REMOVED	
20										20				626	00102	20	EACH	BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL)	
131										131				626	00110	131	EACH	BARRIER REFLECTOR, TYPE 2 (BIDIRECTIONAL)	
								193			59	74	60	630	02100	193	FT	GROUND MOUNTED SUPPORT, NO. 2 POST	
								24			12	12		630	80100	24	SF	SIGN, FLAT SHEET	
								18			4	6	8	630	80100	18	SF	SIGN, FLAT SHEET, 730.20	
								22			8	6	8	630	84900	22	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
								20			6	6	8	630	86002	20	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
							21.38			21.38				646	10010	21.38	MILE	EDGE LINE, 6"	
							10.69			10.69				646	10200	10.69	MILE	CENTER LINE	
							103			103				646	10400	103	FT	STOP LINE	
	2									2				809	69001	2	EACH	ADVANCE RADAR DETECTION, AS PER PLAN	P.5
	4									4				809	69101	4	EACH	STOP LINE RADAR DETECTION, AS PER PLAN	P.5
																		Structure repairs moved to P.11	

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER

SBD

REVIEWER

MJA 08-26-25

PROJECT ID

112817

SHEET

P.10

TOTAL

27

MAH-224/534-0.00/8.46

MODEL: Sheet 2 PAPER SIZE: 34x22 (in.) DATE: 11/24/2025 TIME: 10:25:42 AM PLT DRV: OHDOT_PDF.plt DRV: OHDOT_PDF.plt DRV: PENTBL: OHDOT_Pen.tbl USER: Joel.Fitzsimmons@dot.ohio.gov WORKSPACE: OHDOTCE\02 WORKSET: 112817 PRODUCT: OpenRoads Designer 24.00.00.2025
pw:\ohdotdot-pw.bentley.com\ohdotdot-pw\02\Documents\01 Active Projects\District 04\Mahoning\112817\400-Engineering\Roadway\Sheets\112817_GG001.dgn

[illegible]

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER

SBD

REVIEWER

MJA 08-26-25

PROJECT ID

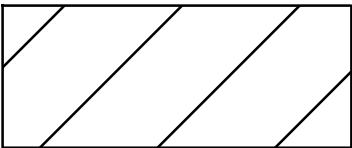
112817

SHEET TOTAL

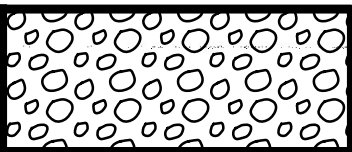
P.11 | 2

PROPOSED WORK LAYOUT

LEGEND



ITEM 202 - REMOVAL MISC.:
CHANNEL CLEANOUT



ITEM 601 - ROCK CHANNEL PROTECTION,
TYPE C WITH FILTER

OHWM = 1082.72

CHARLEY RUN CREEK

FED. RD. DIVISION	STATE	PROJECT	FISCAL YEAR
2	OHIO		

MAH-534-11.96
R/W SHEET 3 of 3

SCALE 1"=10'

ERNEST C. & LEONA M. HUGLI
TOTAL TBA 0.089
TOTAL PRO 0.217
TOTAL 0.306 ACRES

EXISTING R/W

BEARING DUE NORTH

ERNEST C. & LEONA M. HUGLI

STATE HIGHWAY DEPT.
DIVISION No. 4
NOV 2 1961
RAYENNA, OHIO
R/W

SUMMARY OF ADDITIONAL RIGHT OF WAY REQUIRED

PARCEL NO.	OWNER	DEED BOOK	DEED PAGE	DEED AREA	TO BE ACQUIRED LAND	BLDG'S	EXISTING LEFT RIGHT	REMARKS
1	ERNEST C. & LEONA M. HUGLI	525	337	51.57	0.089		29.942 51.539	
1-TS	"	"	"	30.00	.033		Ac. Ac.	
1-A-TS	"	"	"	"	.034			
2	DONALD J. & THELMA M. HUGLI	645	647	145.008			1.442 AC	

COMPLETED DATE OCTOBER 16, 1961

BRIDGE No. MAH-534-1200

PERMANENT R/W & TEMPORARY SPECIAL CHANNEL EASEMENTS
BRIDGE No. MAH-534-1200

CHARLEY RUN CREEK

UTILITIES AFFECTED:
OHIO CENTRAL TELEPHONE Co - LIMA, OHIO
OHIO EDISON Co - YOUNGSTOWN, OHIO

SCOUR REPAIR AND CHANNEL CLEANOUT
BRIDGE: MAH-534-11.943
OVER CHARLEY RUN CREEK

SFN
5005892

DESIGN AGENCY



DESIGNER
SBD

CHECKER
JF

REVIEWER

MJA 08-26-25

PROJECT ID

112817

SUBSET

9 TOTAL 10

SHEET

P.26 TOTAL 27