

STATE OF OHIO  
DEPARTMENT OF TRANSPORTATION

# ASD-3-0.00

## VILLAGE OF LOUDONVILLE

### GREEN TOWNSHIP HANOVER TOWNSHIP

### ASHLAND COUNTY

**PROJECT DESCRIPTION**

THIS PROJECT INCLUDES RESURFACING OF STATE ROUTE 3 AND STATE ROUTE 60 WITH STRUCTURE REPAIRS, PAVEMENT REPAIRS, AND PAVEMENT MARKINGS

**EARTH DISTURBED AREAS**

PROJECT EARTH DISTURBED AREA: N/A  
(MAINTENANCE PROJECT)  
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: N/A  
(MAINTENANCE PROJECT)  
NOTICE OF INTENT EARTH DISTURBED AREA: N/A  
(MAINTENANCE PROJECT)

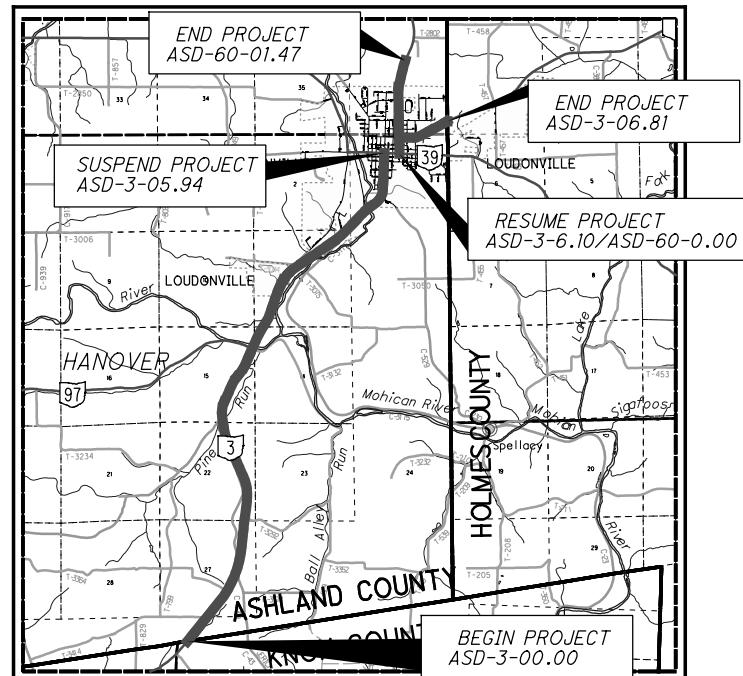
**2019 SPECIFICATIONS**

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.

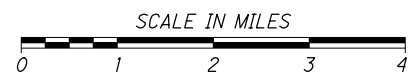
APPROVED   
DATE 01/14/2020 DISTRICT DEPUTY DIRECTOR

APPROVED \_\_\_\_\_  
DATE \_\_\_\_\_ DIRECTOR, DEPARTMENT OF TRANSPORTATION



LOCATION MAP

LATITUDE: 40° 36' 51" N LONGITUDE: 82° 15' 18" W



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

**DESIGN DESIGNATIONS**

SEE SHEET 2

**DESIGN EXCEPTIONS**


NONE

**INDEX OF SHEETS:**

TITLE SHEET	1
STRAIGHT LINE DIAGRAM	2
TYPICAL SECTIONS	3 - 5
GENERAL NOTES	6 - 10
GENERAL SUMMARY	11 - 12
PAVEMENT AND SHOULDER DATA	13
PAVEMENT MARKINGS AND RPMS	14 - 16
STRUCTURE DETAILS	
STRUCTURE NOTES	17
STRUCTURE SUBSUMMARY	18
ASD-3-0252	19 - 21
ASD-3-0336	22
ASD-3-0411	23
ASD-3-0537	24 - 25
ASD-3-0618	26

ENGINEERS SEAL



SIGNED:   
DATE: 2020.0113

PLANS PREPARED BY:  
 OHIO DEPARTMENT OF TRANSPORTATION  
DISTRICT THREE ENGINEERING

STANDARD CONSTRUCTION DRAWINGS										SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS	
BP-1.1	7/28/00	MGS-4.1	1/20/17	EXJ-3-82	1/18/13	MT-95.61	4/19/19	TC-52.10	10/18/13	800-2019	1/17/20	
BP-3.1	10/18/19	MGS-4.2	7/19/13	EXJ-4-87	1/19/18	MT-96.11	1/18/19	TC-52.20	7/20/18	821	4/20/12	
BP-3.2	1/18/19	MGS-4.3	1/18/13	EXJ-5-93	1/19/18	MT-96.20	7/15/16	TC-61.10	1/17/14	830	7/19/19	
		MGS-5.2	7/15/16	ICD-1-82	7/19/02	MT-97.10	4/19/19	TC-61.30	7/19/19	832	10/19/18	
DM-1.1	7/21/17	MGS-5.3	7/15/16	PCB-91	1/18/13	MT-97.12	1/20/17	TC-64.10	10/18/19	887	4/21/17	WATERWAY
DM-1.2	1/18/13	MGS-6.1	1/19/18	SB-1-08	1/19/18	MT-97.20	4/19/19	TC-65.10	1/17/14	921	4/20/12	
DM-2.1	1/18/13			SICD-1-96	7/18/14	MT-99.20	4/19/19	TC-65.11	7/21/17	930	7/19/19	PERMIT 03/16/2020
DM-4.1	1/18/19	RM-1.1	7/18/14	SICD-2-14	7/18/14	MT-99.30	1/19/18	TC-71.10	1/19/18	961	10/18/19	
DM-4.2	7/20/12			TBR-1-11	1/18/13	MT-101.70	7/20/18	TC-81.10	7/15/16	987	1/16/09	
DM-4.3	1/15/16	A-1-69	7/19/02	TST-1-99	7/20/18	MT-101.75	7/15/16					
DM-4.4	1/15/16	AS-1-15	7/17/15			MT-101.80	1/16/15					
		CPA-1-08	7/18/08	MT-95.31	7/19/19	MT-101.90	7/21/17					
MGS-1.1	1/19/18	CPP-1-08	7/21/17	MT-95.32	4/19/19	MT-105.10	7/19/13					
MGS-2.1	1/19/18	CS-1-08	1/19/18	MT-95.41	7/21/17							
MGS-3.1	1/19/18	DS-1-92	7/18/03	MT-95.50	7/21/17	TC-41.20	10/18/13					
MGS-3.2	1/18/13	EXJ-2-81	7/19/02	MT-95.60	4/19/19	TC-42.20	10/18/13					

**UNDERGROUND UTILITIES**

Contact Two Working Days Before You Dig



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

FEDERAL PROJECT NO. E150746  
PID NO. 97045  
CONSTRUCTION PROJECT NO. NORFOLK SOUTHERN  
ASD-3-0.00  
1/26

I:\ProjectData\97045\Design\Roadway\Sheets\97045\_G1001.dgn TITLE 4/30/2020 11:58:46 AM cdevore

**UTILITIES**

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS.

GAS ASPIRE ENERGY 300 TRACY BIRDGE ROAD ORRVILLE, OH 44667 330.682.7726	CABLE CHARTER COMMUNICATIONS 5520 WHIPPLE AVENUE NW NORTH CANTON, OH 44720 330.494.9200
GAS COLUMBIA GAS OF OHIO 1021 N. MAIN ST. MANSFIELD, OH 44903 419.528.1137	GAS TRANSCANADA P.O. BOX 85 LAKEVILLE, OH 44638 419.827.2620
GAS DOMINION 320 SPRINGSIDE DRIVE, SUITE 320 AKRON, OH 44333 800.362.7557	COMMUNICATION FRONTIER COM 83 TOWNSEND AVENUE NORWALK, OH 44857 419.744.3613
ELECTRIC RURAL LICKING ELECTRIC CO-OP 11339 MT.VERNON ROAD UTICA, OH 43080 740.404.3006	VILLAGE VILLAGE OF LOUDONVILLE P.O. BOX 150 LOUDONVILLE, OH 44842 416.994.3270
VILLAGE VILLAGE OF LOUDONVILLE P.O. BOX 150 LOUDONVILLE, OH 44842 416.994.3270	VILLAGE VILLAGE OF LOUDONVILLE P.O. BOX 150 LOUDONVILLE, OH 44842 416.994.3270
VILLAGE VILLAGE OF LOUDONVILLE P.O. BOX 150 LOUDONVILLE, OH 44842 416.994.3270	GAS NATIONAL GAS & OIL 120 O'NEIL DRIVE HEBRON, OHIO 43025 740.348.1254
TRAFFIC ODOT DISTRICT THREE 906 CLARK AVENUE ASHLAND, OH 44805 419.207.7045	GAS OHIO CUMBERLAND GAS 20718 DANVILLE-AMITY ROAD MOUNT VERNON, OH 43050 740.392.2941
ELECTRIC OHIO EDISON 1717 ASHLAND ROAD MANSFIELD, OH 44905 419.521.6213	FIBER OPTIC SPRINT 11370 ENTERPRISE PARK DRIVE SHARONVILLE, OH 45241 513.612.4204

THE AFOREMENTIONED UTILITY COMPANIES AND AGENCIES HAVE VARIOUS FACILITIES IN THE AREA THAT WILL REMAIN IN PLACE DURING CONSTRUCTION.

EXTREME CAUTION SHOULD BE EXERCISED IN AREAS WITH UTILITIES. SECTIONS 105.07 AND 107.16 OF THE DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIALS SPECIFICATIONS REQUIRE, AMONG OTHER THINGS, THAT THE CONTRACTOR COOPERATE WITH ALL UTILITIES LOCATED WITHIN THE LIMITS OF THIS CONSTRUCTION PROJECT AND TAKE RESPONSIBILITY FOR THE PROTECTION OF THE UTILITY PROPERTY AND SERVICES.

**EXISTING PLANS**

EXISTING PLANS ENTITLED ASD-3-0.00 MAY BE INSPECTED IN THE ODOT DISTRICT 3 OFFICE IN ASHLAND.

**WORK LIMITS**

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

**ROUTINE MAINTENANCE**

BETWEEN THE TIME THAT BIDS ARE TAKEN AND THE START OF CONSTRUCTION, THE MAINTAINING AGENCY MAY ENTER UPON THE PROJECT AND PERFORM ROUTINE MAINTENANCE SUCH AS CRACK SEALING, PATCHING, AND BERM AND SHOULDER REPAIR. THE EFFECTS, IF ANY, OF THE PERFORMANCE OF ROUTINE MAINTENANCE SHALL BE CONSIDERED AS INHERENT IN WORK OF THE CHARACTER PROVIDED FOR IN THE PLAN AND THE RESULTING CONDITIONS SHALL NOT BE CONSIDERED AS DIFFERING MATERIALLY FROM THOSE EXISTING AT THE TIME BIDS WERE TAKEN.

**CONSTRUCTION NOTIFICATION**

THE CONTRACTOR SHALL ADVISE THE PROJECT ENGINEER A MINIMUM OF FOURTEEN (14) DAYS PRIOR TO THE FOLLOWING: THE START OF CONSTRUCTION ACTIVITIES, LANE RESTRICTIONS, LANE CLOSURES, AND OR ROAD CLOSURES. THE PROJECT ENGINEER WILL FORWARD THIS INFORMATION TO THE FOLLOWING:

DISTRICT PUBLIC INFORMATION OFFICE (PIO) BY EMAIL AT D03.PIO@DOT.OHIO.GOV

DISTRICT PERMIT SECTION BY FAX AT (614) 887-4318 OR EMAIL AT LOUIS.TUMBLIN@DOT.OHIO.GOV

CENTRAL OFFICE SPECIAL HAUL PERMITS SECTION BY FAX AT (614) 728-4099 OR EMAIL AT HAULING.PERMITS@DOT.OHIO.GOV

THE PIO WILL, IN TURN, NOTIFY THE PUBLIC, THE LOCAL EMERGENCY SERVICES, AFFECTED SCHOOLS AND BUSINESSES, AND ANY OTHER IMPACTED LOCAL PUBLIC AGENCY OF ANY OF THE ABOVE MENTIONED ITEMS, VIA MEDIA SOURCES.

**PROFILE AND ALIGNMENT**

PLACE THE PROPOSED ASPHALT CONCRETE OVERLAY TO FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT. (PREVIOUS CONSTRUCTION PLANS SHOWING THE ORIGINAL ALIGNMENT AND PROFILE, ARE AVAILABLE FOR INSPECTION AT THE ODOT DISTRICT 3 OFFICE). PLACE THE PROPOSED ASPHALT CONCRETE OVERLAY AS SHOWN ON THE TYPICAL SECTIONS.

**ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (442)  
ITEM 253 - PAVEMENT REPAIR**

THESE ITEMS OF WORK SHALL CONSIST OF THE REMOVAL OF THE EXISTING PAVEMENT OR PAVED BERM WHICH MAY BE ASPHALT, BRICK, CONCRETE, OR A COMBINATION OF EACH, IN AREAS OF EXISTING PAVEMENT FAILURE. CORING HAS BEEN PERFORMED TO HELP DETERMINE THE COMPONENTS THAT MAY BE ENCOUNTERED DURING THIS ITEM OF WORK. THE PAVEMENT CORING INFORMATION IS SHOWN ON PLAN SHEET 8.

PAVEMENT REPAIR SHALL BE PERFORMED AFTER PAVEMENT PLANING AND BEFORE PLACEMENT OF THE INTERMEDIATE AND/OR SURFACE COURSE. THE DEPTH OF REMOVAL SHALL BE SUFFICIENT TO REMOVE ALL DETERIORATED PAVEMENT WITH A MAXIMUM DEPTH OF 4", BASED ON THE PAVEMENT DESIGN AND AN AVERAGE DEPTH OF 4" AND AN AVERAGE WIDTH OF 4 FT FOR ESTIMATING PURPOSES.

REPLACEMENT MATERIAL SHALL BE ITEM 301, OR ITEM 442 19MM, AS PER PLAN MATERIAL AND SHALL BE PLACED AND COMPACTED TO FINISH FLUSH WITH THE ADJACENT PAVEMENT SURFACE. ITEM 301 ASPHALT CONCRETE CAN BE USED WHEN THE DEPTH OF THE REPAIR IS BETWEEN 3" AND 12" WITH A MAXIMUM PAVEMENT LIFT OF 6". ITEM 442 19MM, AS PER PLAN CAN BE USED WHEN THE DEPTH OF THE REPAIR IS BETWEEN 1.5" AND 3". PG 64-22 ASPHALT BINDER SHALL BE USED FOR ALL OF THE ASPHALT CONCRETE MATERIALS FOR THESE REPAIRS.

FOR THE ITEM 442 19 MM, AS PER PLAN MATERIAL, REQUIREMENTS OF 442 APPLY EXCEPT AS FOLLOWS:  
MIX DESIGN: FOR N<sub>des</sub> USE 50 GYRATIONS, FOR N<sub>max</sub> USE 75 GYRATIONS. USE A PG 64-22 BINDER.  
MAXIMUM RECLAIMED ASPHALT CONCRETE PAVEMENT IS 30 PERCENT.  
APPLY 703.05 FOR COARSE AND FINE AGGREGATE EXCEPT GRADATION FOR FINE AGGREGATE DOES NOT APPLY.  
QUALITY CONTROL: DO NOT PERFORM N<sub>max</sub> IN QUALITY CONTROL TESTING. DO NOT TAKE EXTRA ASPHALT BINDER SAMPLES AS OUTLINED IN CMS 442.05.

PAYMENT SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO COMPLETE THE PAVEMENT REPAIR. FOR PAYMENT PURPOSES ITEM 251 PARTIAL DEPTH PAVEMENT REPAIR (442) IS TO BE A MAXIMUM OF 4" DEEP AND ITEM 253 PAVEMENT REPAIR IS FOR DEPTHS GREATER THAN 4". PAYMENT WILL BE MADE AT THE UNIT BID PRICE PER CUBIC YARD, (BY TICKET WEIGHT CONVERSION), OF ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (442) OR ITEM 253 - PAVEMENT REPAIR. THE FOLLOWING ESTIMATED QUANTITIES ARE PROVIDED IN THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER:

SR 3 ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (442)	1200 CY
SR 3 ITEM 253 - PAVEMENT REPAIR	120 CY

**ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE - 1.50"**

THE INTENT OF THIS PLANING IS TO MILL 1.50 INCHES AT THE CENTER OF PAVEMENT AT NON-CURBED AREAS. THE PAVEMENT SLOPE SHALL BE 0.010 MINIMUM AND 0.016 PREFERRED, CONTINUOUS BETWEEN THE CROWN AND THE PROPOSED EDGELINE/SHOULDER. THE MILLING DEPTH SHALL BE CONTROLLED FROM THE CENTER OF PAVEMENT IN CONFORMANCE WITH THE ABOVE GUIDELINES.

SPECIAL ATTENTION SHALL BE GIVEN TO SUPERELEVATED CURVES. THE SUPERELEVATION SHALL BE MAINTAINED AND/OR RESTORED, IF NECESSARY, AS DIRECTED BY THE ENGINEER. IF THERE IS NO INFORMATION IN THE PLANS TO CHANGE THE SUPERELEVATION, THE INTENT IS TO MAINTAIN THE EXISTING SUPERELEVATION.

THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE TO ALL CATCH BASINS AND INLETS.

THE PROGRESSION OF THE PLANING SHALL PROCEED IN SUCH A MANNER THAT NORMAL TRAFFIC WILL NOT BE REQUIRED TO RUN OVER THE PLANNED ROADWAY SURFACE MORE THAN FOURTEEN (14) CALENDAR DAYS. FOR EACH CALENDAR DAY BEYOND THE 14 DAYS THAT THE ROADWAY REMAINS EXPOSED TO THE PLANNED SURFACE, THE CONTRACTOR WILL BE ASSESSED A DISINCENTIVE FEE OF \$1000 PER DAY.

DRAINAGE SLOTS SHALL BE CUT INTO THE SHOULDER(S) AT THE LOW POINT OF EACH PLANNED SECTION TO PREVENT TRAPPED WATER PUDDLES, AND REFILLED DURING RESURFACING. CUTTING AND FILLING DRAINAGE SLOTS SHALL BE INCLUDED IN PAYMENT WITH ITEM 254 PAVEMENT PLANING, ASPHALT CONCRETE.

THE AMOUNT OF GRINDINGS RESULTING FROM THIS WORK MAY PRODUCE UNEXPECTED VOLUMES OF GRINDINGS DUE TO THE EXISTING TRANSVERSE SLOPE OF THE PAVEMENT.

PAYMENT SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO COMPLETE THE PAVEMENT PLANING, ASPHALT CONCRETE. PAYMENT WILL BE MADE AT THE UNIT BID PRICE PER SQUARE YARD OF ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (1.50").

**ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE - 3.0"**

THE INTENT OF THE PLANING IS TO MILL 3.0 INCHES AT THE CENTER OF PAVEMENT AT NON-CURBED AREAS. THE PAVEMENT SLOPE SHALL BE 0.010 MINIMUM AND 0.016 PREFERRED, CONTINUOUS BETWEEN THE CROWN AND THE PROPOSED EDGELINE/SHOULDER. THE MILLING DEPTH SHALL BE CONTROLLED FROM THE CENTER OF PAVEMENT IN CONFORMANCE WITH THE ABOVE GUIDELINES, IF BRICK IS ENCOUNTERED ADJUST MILLING DEPTH TO ONLY PLANE TO TOP OF BRICK.

SPECIAL ATTENTION SHALL BE GIVEN TO SUPERELEVATED CURVES. THE SUPERELEVATION SHALL BE MAINTAINED AND/OR RESTORED, IF NECESSARY, AS DIRECTED BY THE ENGINEER. IF THERE IS NO INFORMATION IN THE PLANS TO CHANGE THE SUPERELEVATION, THE INTENT IS TO MAINTAIN THE EXISTING SUPERELEVATION.

THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE TO ALL CATCH BASINS AND INLETS.

THE PROGRESSION OF THE PLANING SHALL PROCEED IN SUCH A MANNER THAT NORMAL TRAFFIC WILL NOT BE REQUIRED TO RUN OVER THE PLANNED ROADWAY SURFACE MORE THAN SEVEN (7) CALENDAR DAYS. FOR EACH CALENDAR DAY BEYOND THE 7 DAYS THAT THE ROADWAY REMAINS EXPOSED TO THE PLANNED SURFACE, THE CONTRACTOR WILL BE ASSESSED A DISINCENTIVE FEE OF \$1000 PER DAY.

DRAINAGE SLOTS SHALL BE CUT INTO THE SHOULDER(S) AT THE LOW POINT OF EACH PLANNED SECTION TO PREVENT TRAPPED WATER PUDDLES, AND REFILLED DURING RESURFACING. CUTTING AND FILLING DRAINAGE SLOTS SHALL BE INCLUDED IN PAYMENT WITH ITEM 254 PAVEMENT PLANING, ASPHALT CONCRETE.

THE AMOUNT OF GRINDINGS RESULTING FROM THIS WORK MAY PRODUCE UNEXPECTED VOLUMES OF GRINDINGS DUE TO THE EXISTING TRANSVERSE SLOPE OF THE PAVEMENT.

PAYMENT SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO COMPLETE THE PAVEMENT PLANING, ASPHALT CONCRETE. PAYMENT WILL BE MADE AT THE UNIT BID PRICE PER SQUARE YARD OF ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (3.0").

**ITEM 408 - PRIME COAT, AS PER PLAN**

THE CONTRACTOR SHALL APPLY ONE COAT OF MC-70 (AS PER SECTION 702) AT A RATE OF 0.40 GAL/SY TO THE COMPLETED AGGREGATE SHOULDER (ITEM 617) AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE A SHIELD TO PREVENT THE SPRAYING OR DRIFTING OF LIQUID BITUMINOUS MATERIAL ONTO THE EDGE OF PAVEMENT OR EDGE LINE. THE ATTENTION OF THE CONTRACTOR IS DIRECTED TO 107.10 OF THE SPECIFICATIONS.

CALCULATED  
JLB  
CHECKED  
KCC

GENERAL NOTES

ASD-3-0.00

6  
26

**ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 9.5 MM.**  
**TYPE A (446), AS PER PLAN - 1.25"**

ALL OPEN TRANSVERSE JOINTS SHALL BE TAPERED TO MEET EXISTING PAVEMENT BEFORE INTRODUCING TRAFFIC. A "BUMP" SIGN (W8-1-36) SHALL BE ERECTED ON EACH SIDE OF TRANSVERSE JOINTS LEFT OPEN OVER NIGHT, INCLUDING A SPEED ADVISORY SIGN. THESE SIGNS SHALL BE REMOVED IMMEDIATELY AFTER JOINT HAS BEEN CLOSED. PLACEMENT OF SIGNS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 614 MAINTAINING TRAFFIC.

CARE SHALL BE TAKEN TO MATCH EXISTING PAVEMENT ELEVATIONS AT EXISTING PAVED BERMS, DRIVES, INTERSECTIONS, ETC.

REQUIREMENTS OF 442 APPLY EXCEPT AS FOLLOWS:

MIX DESIGN: FOR Ndes USE 50 GYRATIONS, FOR Nmax USE 75 GYRATIONS. CHOOSE OPTIMUM BINDER CONTENT AT DESIGN AIR VOIDS OF 3.5%.

MINIMUM TOTAL PG BINDER CONTENT IS 6.3 PERCENT.

MINIMUM VIRGIN PG BINDER CONTENT IS 5.2 PERCENT.

USE A PG 64-22 BINDER.

WHEN AN AGGREGATE SOURCE IS SPECIALLY DESIGNATED WITH AN SR ON THE AGGREGATE GRAVITY LIST DO NOT USE THE AGGREGATE EXCEPT AS ALLOWED FOR MEDIUM TRAFFIC IN THE GUIDELINES FOR MAINTAINING ADEQUATE PAVEMENT FRICTION IN SURFACE PAVEMENT.

QUALITY CONTROL: DO NOT PERFORM Nmax IN QUALITY CONTROL TESTING. DO NOT TAKE EXTRA ASPHALT BINDER SAMPLES AS OUTLINED IN CMS 442.05.

**ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 9.5 MM.**  
**TYPE A (446), AS PER PLAN - 1.50"**

ALL OPEN TRANSVERSE JOINTS SHALL BE TAPERED TO MEET EXISTING PAVEMENT BEFORE INTRODUCING TRAFFIC. A "BUMP" SIGN (W8-1-36) SHALL BE ERECTED ON EACH SIDE OF TRANSVERSE JOINTS LEFT OPEN OVER NIGHT, INCLUDING A SPEED ADVISORY SIGN. THESE SIGNS SHALL BE REMOVED IMMEDIATELY AFTER JOINT HAS BEEN CLOSED. PLACEMENT OF SIGNS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 614 MAINTAINING TRAFFIC.

CARE SHALL BE TAKEN TO MATCH EXISTING PAVEMENT ELEVATIONS AT EXISTING PAVED BERMS, DRIVES, INTERSECTIONS, ETC.

REQUIREMENTS OF 442 APPLY EXCEPT AS FOLLOWS:

MIX DESIGN: FOR Ndes USE 50 GYRATIONS, FOR Nmax USE 75 GYRATIONS. CHOOSE OPTIMUM BINDER CONTENT AT DESIGN AIR VOIDS OF 3.5%.

MINIMUM TOTAL PG BINDER CONTENT IS 6.3 PERCENT.

MINIMUM VIRGIN PG BINDER CONTENT IS 5.2 PERCENT.

USE A PG 64-22 BINDER.

WHEN AN AGGREGATE SOURCE IS SPECIALLY DESIGNATED WITH AN SR ON THE AGGREGATE GRAVITY LIST DO NOT USE THE AGGREGATE EXCEPT AS ALLOWED FOR MEDIUM TRAFFIC IN THE GUIDELINES FOR MAINTAINING ADEQUATE PAVEMENT FRICTION IN SURFACE PAVEMENT.

QUALITY CONTROL: DO NOT PERFORM Nmax IN QUALITY CONTROL TESTING. DO NOT TAKE EXTRA ASPHALT BINDER SAMPLES AS OUTLINED IN CMS 442.05.

**ITEM 442 - ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM.**  
**TYPE A (448), AS PER PLAN - 1.75"**

THIS ITEM SHALL BE USED FOR CORRECTION OF CROWN, PROFILE AND ANY OTHER IRREGULARITIES.

ALL OPEN TRANSVERSE JOINTS SHALL BE TAPERED TO MEET EXISTING PAVEMENT BEFORE INTRODUCING TRAFFIC. A "BUMP" SIGN (W8-1-36) SHALL BE ERECTED ON EACH SIDE OF TRANSVERSE JOINTS LEFT OPEN OVER NIGHT, INCLUDING A SPEED ADVISORY SIGN. THESE SIGNS SHALL BE REMOVED IMMEDIATELY AFTER JOINT HAS BEEN CLOSED. PLACEMENT OF SIGNS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 614 MAINTAINING TRAFFIC.

REQUIREMENTS OF 442 APPLY EXCEPT AS FOLLOWS:

MIX DESIGN: FOR Ndes USE 50 GYRATIONS, FOR Nmax USE 75 GYRATIONS. CHOOSE OPTIMUM BINDER CONTENT AT DESIGN AIR VOIDS OF 3.5%.

USE A PG 64-22 BINDER.

MAXIMUM RECLAIMED ASPHALT CONCRETE PAVEMENT IS 30 PERCENT. APPLY 703.05 FOR COARSE AND FINE AGGREGATE EXCEPT GRADATION FOR FINE AGGREGATE DOES NOT APPLY.

QUALITY CONTROL: DO NOT PERFORM Nmax IN QUALITY CONTROL TESTING. DO NOT TAKE EXTRA ASPHALT BINDER SAMPLES AS OUTLINED IN CMS 442.05.

**ITEM 614 - LANE DROP-OFFS**

MAINTAIN LANE DROP OFFS AS PER STANDARD CONSTRUCTION DRAWING MT-101.90.

CALCULATED  
JLB  
CHECKED  
KCK

GENERAL NOTES

ASD - 3 - 0.00

7  
26

I:\ProjectData\97045\Design\Roadway\Sheets\97045\_GN001.dgn GENERAL NOTES 2 4/30/2020 11:58:58 AM cdevore

I:\ProjectData\97045\Design\Roadway\Sheets\97045\_GG001.dgn GENERAL SUMMARY 2 4/30/2020 11:59:47 AM cdevore

SHEET NUM.												PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
7	8	9	10	11	12	13	14	15	16	17	18	01/STR/P V	02/STR/B R						
											171		171	512	10401	171	SY	STRUCTURE REPAIR (ASD-3-0411)	
											10		10	519	11100	10	SF	TREATING OF CONCRETE BRIDGE DECK WITH SRS, AS PER PLAN	17
											4		4	606	35150	4	EACH	PATCHING CONCRETE STRUCTURE	
																		BRIDGE TERMINAL ASSEMBLY REBUILT, TYPE 4	
																		STRUCTURE REPAIR (ASD-3-0537)	
											104		104	202	98200	104	FT	REMOVAL MISC.: JOINT SEALER	17
											198		198	512	10401	198	SY	TREATING OF CONCRETE BRIDGE DECK WITH SRS, AS PER PLAN	17
											114		114	516	31000	114	FT	JOINT SEALER	
											32		32	519	11100	32	SF	PATCHING CONCRETE STRUCTURE	
											24		24	519	12300	24	SY	PATCHING CONCRETE BRIDGE DECK - TYPE B	
											6		6	601	32200	6	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	
																		STRUCTURE REPAIR (ASD-3-0618)	
											56		56	409	30000	56	FT	SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS	
																		MAINTENANCE OF TRAFFIC	
			80									80		614	11110	80	hour	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
			45									45		614	12460	45	EACH	WORK ZONE MARKING SIGN	
			25									25		614	17000	25	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
											16.12		16.12	614	21550	16.12	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	
											3,253		3,253	614	23680	3,253	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 8", 642 PAINT	
											1,240		1,240	614	26610	1,240	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	
											50		50	614	30650	50	EACH	WORK ZONE ARROW, CLASS III, 642 PAINT	
																		INCIDENTALS	
												LS		614	11000	LS		MAINTAINING TRAFFIC	
												4		619	16010	4	MNTH	FIELD OFFICE, TYPE B	
												LS		623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
												LS		624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

ASD - 3 - 0.00

### AUXILIARY & LONG LINE MARKINGS

DIRECTION	COUNTY & ROUTE	STATION / SLM		HIGHWAY MILES	614			642, TYPE 1				644															
					WORK ZONE CHANNELIZING LINE, CLASS III, 642 PAINT			EDGE LINE, 6" (WHITE)	LANE LINE, 6"	CENTER LINE (SOLID LINE EQUIVALENT)	CENTER LINE (TOTAL PAY QUANTITY)	AUXILIARY MARKINGS (740.04)															
					WORK ZONE CENTER LINE, CLASS III, 642 PAINT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	WORK ZONE ARROW, CLASS III, 642 PAINT					STOP LINE, 24"	CROSSWALK LINE, 12"	CROSSWALK LINE, 12', AS PER PLAN	TRANSVERSE / DIAGONAL LINE, (WHITE)	TRANSVERSE / DIAGONAL LINE, (YELLOW)	SCHOOL SYMBOL MARKING (72 INCH)	CHANNELIZING LINE, 8"	LANE ARROW			ISLAND MARKING	PARKING LOT STALL MARKING	BIKE LANE SYMBOL MARKING (SEE NOTE 2)	BIKE CROSSING SYMBOL (SEE NOTE 1)		
FROM	TO	MILE	FT	MILE	FT	EACH	EACH	COMB.	MILE	MILE	MILE	MILE	FT	FT	FT	FT	EACH	EACH	FT	EACH	EACH	EACH	SF	FT	EACH	EACH	
NB & SB	ASD-3	0.00	3.41	3.41	6.82	408				6.82			3.41	204													
NB & SB	ASD-3	3.41	3.54	0.13	0.26				0.26			0.13					453										1
NB & SB	ASD-3	3.54	3.59	0.05	506	0.10	4		0.10			0.05		114					253	2						1	
NB & SB	ASD-3	3.59	3.62	0.03	0.06	116		2	0.06			0.03	58								1	1	50				1
NB & SB	ASD-3	3.62	3.67	0.05	1080	0.10	4	4	0.10			0.05							540	2	2						1
NB & SB	ASD-3	3.67	3.83	0.16	0.32				0.32			0.16	60				600										1
NB & SB	ASD-3	3.83	5.15	1.32	2.64	82			2.64			1.32	41														2
NB & SB	ASD-3	5.15	5.52	0.37	250	0.74	4		0.74	0.65		0.37	48						125	2							
NB & SB	ASD-3	5.52	5.88	0.36	699	1.08	6			0.36		0.36		710		150	180		233	3				750			
NB & SB	ASD-3	5.88	5.94	0.06	450	0.18		6				0.06	38	302					150		2	2		750			
NB & SB	ASD-3	6.10	6.25	0.15	268	0.30		4				0.30	67	292	100				134		2	2					
NB & SB	ASD-3	6.25	6.81	0.56	1.12	70				2.24		1.07	35	50													
NB & SB	ASD-60	0.67	0.86	0.19	0.57	108						1.03	54	432													
NB & SB	ASD-60	0.86	1.47	0.61	1.83	112				3.66		1.10	56	52													
TOTALS					3253	16.12	1240		46		16.94	1.01	13.01	7.45	601	2012	100	150	1233	1435		21		50	1500	2	4

### RAISED PAVEMENT MARKERS

COUNTY	ROUTE	STATION/SLM		DETAIL	621					621				REMARKS	DETAIL	DESCRIPTION
					RAISED PAVEMENT MARKER REMOVED		RPM	PRISMATIC RETRO-REFLECTOR TYPES								
					EACH	EACH		ONE-WAY	TWO-WAY							
FROM	TO	GAP	GAP	WHITE	YELLOW / YELLOW	WHITE / RED	YELLOW / RED	BLUE / BLUE								
ASD	SR-3	0.00	3.17	GAP	207	207					194					CONTINUOUS ROUTE TREATMENT
ASD	SR-3	3.17	3.93	8	82	82				61	21					THRU APPROACH @ SR 97 W/TR & LT LANES @ MOHICAN
ASD	SR-3	3.93	5.15	GAP	81	81				81						CONTINUOUS ROUTE TREATMENT
ASD	SR-3	5.15	5.94	1	51	51				51						CONTINUOUS ROUTE TREATMENT
ASD	SR-60	1.22	1.47	GAP	18	18				18						CONTINUOUS ROUTE TREATMENT
TOTALS					439	439										13

NOTE:

- ONE BIKE CROSSING SYMBOL SHALL BE PLACED ON THE APPROACH ROADWAY A MINIMUM OF 500 FT AWAY FROM THE BIKE CROSSING. A SYMBOL SHALL BE PLACED ON THE APPROACH ROADWAY FOR BOTH DIRECTIONS OF TRAVEL.
- ONE BIKE LANE SYMBOL MARKING SHALL BE PLACED ON THE RIGHT SHOULDER ±10 FEET NORTH OF THE BIKE CROSSING AT SLM 3.59. ONE BIKE LANE SYMBOL MARKING SHALL BE PLACED AT SLM 3.94 ON THE LEFT SHOULDER OF THE LOCATION WHERE THE BIKE LANE MERGES WITH THE ROADWAY SHOULDER.

PAVEMENT MARKING SUBSUMMARY

ASD-3-0.00

I:\ProjectData\97045\Design\Structures\GEN\_SHEETS\Sheets\GENSTR\_SN001.dgn 97045\_STRUCTURE NOTES 4/30/2020 11:59:53 AM cdevore

**DESIGN SPECIFICATIONS**

DESIGN SPECIFICATIONS: THIS STRUCTURE CONFORMS TO "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2002, INCLUDING THE 2003-2007 INTERIM SPECIFICATIONS AND THE ODOT BRIDGE DESIGN MANUAL.

**DESIGN DATA**

CONCRETE CLASS QC1 - COMPRESSIVE STRENGTH 4,000 PSI  
 REINFORCING STEEL - ASTM A615 OR A998, GRADE 60, MINIMUM YIELD STRENGTH 60,000 PSI

**EXISTING PLANS**

THE FOLLOWING EXISTING PLANS MAY BE INSPECTED IN THE ODOT DISTRICT 3 OFFICE IN ASHLAND, OHIO:

STRUCTURE	PLAN NAME	DATE
ASD-3-0252	ASD-3-0.00; ASD-97-0.00	2008
ASD-3-0336	ASD-3-0.00; ASD-97-0.00	2008
ASD-3-0411	ASD-3-0.00; ASD-97-0.00	2008
ASD-3-0537	ASD-3-0.00; ASD-97-0.00	2008
ASD-3-0618	ASD-3-0.00; ASD-97-0.00	2008

**UTILITIES**

THERE ARE NO UNDERGROUND UTILITIES SHOWN ON THIS PLAN. THE NATURE OF THE WORK REQUIRED BY THIS PROJECT WILL NOT AFFECT ANY KNOWN UNDERGROUND UTILITIES THAT EXIST UNDER OR ADJACENT TO THE WORK AREA.

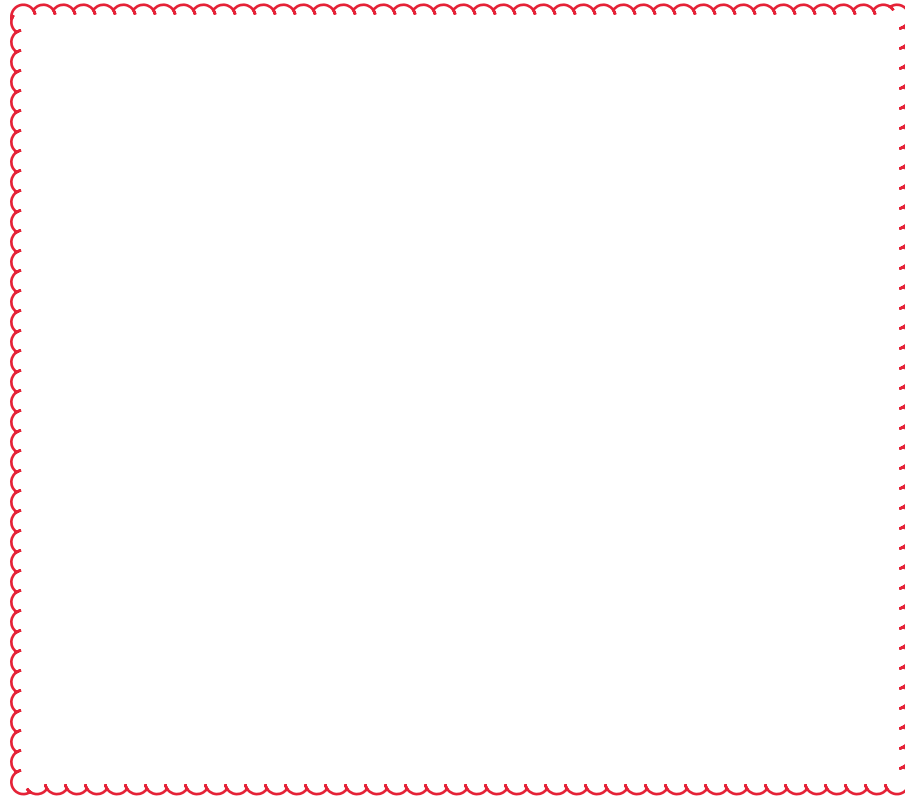
**EXISTING STRUCTURE VERIFICATION**

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURES HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURES AND FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURES AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO CMS SECTIONS 102.05 AND 105.02.

BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURES. HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS WHICH HAVE BEEN VERIFIED IN THE FIELD.

**SCENIC RIVER**

NO TOXIC OR HAZARDOUS MATERIALS SUCH AS SEALANTS, PAINT, SOLVENTS, CLEANING AGENTS, EARTHEN MATERIALS, WASTE-WATER, FUELS OR DEBRIS OF ANY KIND SHALL BE DISCHARGED TO A SCENIC RIVER OR ANY TRIBUTARY WATER COURSE. ALL ASPHALT OR CONCRETE GRINDINGS, EXCESS ASPHALTIC OR CONCRETE MATERIALS OR ANY OTHER DEBRIS GENERATED DURING RESURFACING OR OTHER SIMILAR ACTIVITIES SHALL BE REMOVED IMMEDIATELY FROM WITHIN 1000 FEET OF A SCENIC RIVER AND DISPOSED OF AT AN APPROPRIATE FACILITY ABOVE THE FEMA 100 YEAR FLOOD ELEVATION AND NOT WITHIN 1000 FEET OF THE DESIGNATED SCENIC RIVER.



**ITEM 202 - REMOVAL, MISC.: JOINT SEALER**

REMOVE THE EXISTING JOINT SEALER IN ITS ENTIRETY AS SPECIFIED ON THE DETAILED DRAWINGS INCLUDED IN THIS PLAN.

**ITEM 511 - CLASS QC1 CONCRETE, PIER, AS PER PLAN**

PRIOR TO POURING OF THE NEW PILE ENCASEMENTS, EMPLOY HAND TOOLS, MECHANICAL GRINDERS, AND OTHER SUITABLE METHODS TO REMOVE ALL LOOSE RUST AND PAINT FROM THE EXISTING STEEL PILING SURFACES.

**ITEM 512 - TREATING OF CONCRETE BRIDGE DECK WITH SRS, AS PER PLAN**

REMOVE ALL SPALLED CONCRETE IN THE IMMEDIATE AREA PRIOR TO SEALING THE SURFACE WITH SRS

**ITEM 614 - MAINTAINING TRAFFIC FOR ALL STRUCTURES**

ALL LANES OF TRAFFIC SHALL BE MAINTAINED AT ALL TIMES EXCEPT THAT THROUGH TRAFFIC ON THESE STRUCTURES MAY HAVE LANE CLOSURES USING BARRELS ACCORDING TO THE APPROPRIATE STANDARD CONSTRUCTION DRAWINGS AND THE PERMITTED LANE CLOSURE MAPS (SEE LANE CLOSURE RESTRICTION NOTE IN GENERAL NOTES). THE LAYOUT OF THE MAINTENANCE OF TRAFFIC SCHEME SHALL BE APPROVED BY THE ENGINEER PRIOR TO IMPLEMENTATION AND MUST BE INSPECTED AFTER ERECTION OF SUCH MEASURES. THE ENGINEER RESERVES THE RIGHT TO MODIFY THE MAINTENANCE OF TRAFFIC SCHEME AT ANY TIME.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH CMS 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.

<b>ASD - 3 - 0.00</b> PID No. 97045	<b>STRUCTURE NOTES</b> GENERAL STRUCTURE NOTES APPLICABLE TO ALL STRUCTURES ON THIS PROJECT	DESIGNED JLB CHECKED XXX	DRAWN JLB REVISED XXX	REVIEWED CAD STRUCTURE FILE NUMBER VARIOUS	DATE 12/13/2019	DESIGN AGENCY ODOT DISTRICT THREE CAPITAL PROGRAMS - ENGINEERING
1 / 1	17 26					