

ATHENS COUNTY ENGINEER

ATH-CR29-0.00

DOVER TOWNSHIP ATHENS COUNTY

FEDERAL PROJECT NO.
FLAP030

PID NO.
115266

CONSTRUCTION PROJECT NO.

RAILROAD INVOLVEMENT
NONE

ATH-CR29-0.00

1
4

2019 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL 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.

DESIGN EXCEPTIONS
NONE REQUIRED

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF 4.154 MILES OF DOUBLE CHIP SEAL ON COUNTY ROAD 29 - BIG BAILEY RUN RD.

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)

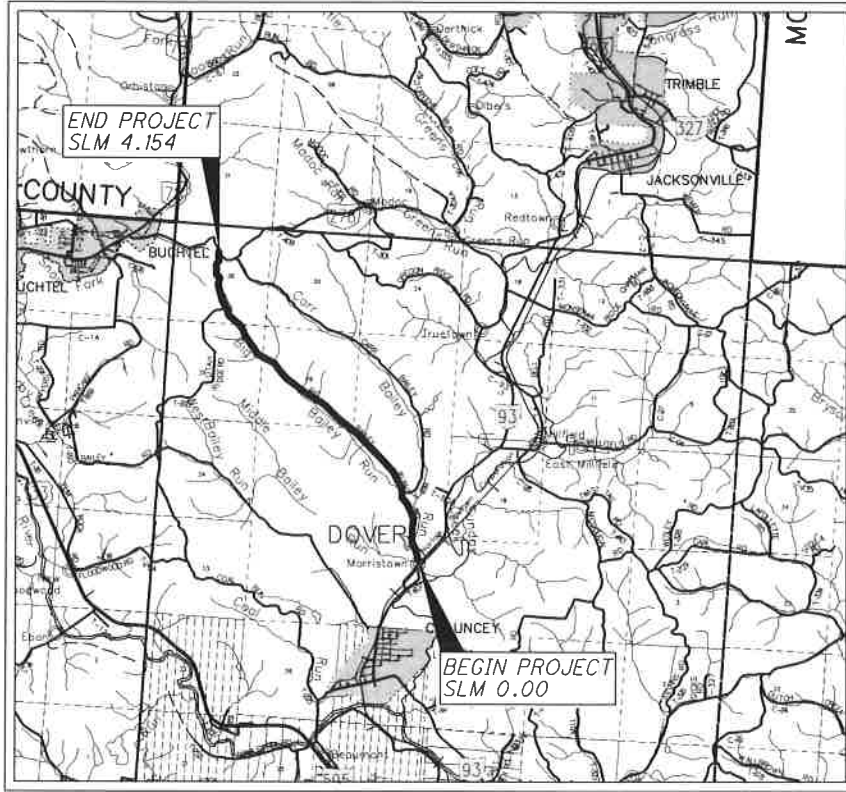
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UNDERGROUND UTILITIES	
CONTACT BOTH SERVICES CALL TWO WORKING DAYS BEFORE YOU DIG	
	
CALL 1-800-362-2764 (TOLL FREE)	
OHIO UTILITIES PROTECTION SERVICE NON-MEMBERS MUST BE CALLED DIRECTLY	
OIL & GAS PRODUCERS UNDERGROUND PROTECTION SERVICE CALL: 1-800-925-0988	

PLANS PREPARED BY:
ATHENS COUNTY ENGINEER'S OFFICE
16000 CANAANVILLE RD
ATHENS, OHIO 45701

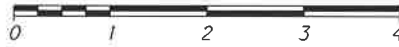
ENGINEER'S SEAL	STANDARD CONSTRUCTION DRAWINGS	SUPPLEMENTAL SPECIFICATIONS
 SIGNED:  DATE: 6/28/21	MT-97.12 1-20-17	SS-800 4-16-21
	MT-101.60 1-17-20	SS-832 10-19-18
	MT-105.10 1-17-20	



LOCATION MAP

LATITUDE: N39°26'21" LONGITUDE: W82°08'22"

SCALE IN MILES



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

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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.

CONSTRUCTION NOTIFICATION

THE CONTRACTOR WILL ADVISE THE PROJECT ENGINEER A MINIMUM OF TWENTY-ONE (21) DAYS PRIOR TO THE FOLLOWING: THE START OF CONSTRUCTION ACTIVITIES, LANE RESTRICTIONS, LANE CLOSURES, AND/OR ROAD CLOSURES.

ROAD CLOSED/MAINTENANCE OF TRAFFIC

DUE TO THE NATURE OF "FULL-WIDTH CHIP SEALING", THE CONTRACTOR MAY CLOSE THE ROAD BUT MUST ALLOW ACCESS FOR EMERGENCY VEHICLES AND LOCAL RESIDENTS AS NEEDED.

ITEM 614 - MAINTAINING TRAFFIC

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES AND RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

THE CONTRACTOR SHALL PROVIDE, ERECT, AND MAINTAIN STANDARD 48" x 30" - "ROAD CLOSED" SIGNS, SIGN SUPPORTS, BARRICADES, GATES, AND LIGHTS, AS DETAILED IN STANDARD CONSTRUCTION DRAWING MT-101.60 DURING PERIODS IN WHICH THE AFFECTED ROADS ARE CLOSED TO TRAFFIC.

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.

BRIDGE NOTES

ALL STRUCTURES NOT LISTED ARE TO BE CHIP SEALED OVER

BRIDGE	TREATMENT
ATH-CR29-0.60	SEAL OVER
ATH-CR29-2.16	SEAL OVER
ATH-CR29-2.79	SEAL OVER

CHIP SEAL CONSTRUCTION DETAILS

MATERIAL PLACEMENT: ASPHALT EMULSIONS AND AGGREGATE SHALL BE PLACED ON THE SURFACE OF THE ROADWAY WITH COMPUTER CONTROLLED APPLICATION EQUIPMENT ON BOTH THE DISTRIBUTOR AND THE CHIP SPREADER. THE MATERIALS SHALL BE APPLIED "FULL WIDTH" ON THE DRIVING SURFACE AT THE WIDTHS SPECIFIED, EXCEPTING THOSE ROADWAYS IDENTIFIED AS LESS THAN FULL WIDTH IN THE BIDDING DOCUMENTS.

ALL ROAD SURFACES SHALL BE SWEEPED BEFORE COMMENCEMENT OF WORK.

DOUBLE CHIP SEAL SHALL CONSIST OF #67 STONE @ 36#/SY AND CRS-2P @ 0.6 GAL/SY (FIRST LAYER) AND #8 STONE @ 24#/SY AND CRS-2P @ 0.4 GAL/SY (SECOND LAYER). THESE QUANTITIES MAY BE ADJUSTED BY THE ENGINEER TO ACHIEVE 2/3 AGGREGATE EMBEDMENT DEPTH AS OUTLINED IN ODOT CMS ITEM 422.

EMULSION THAT FAILS TO PERFORM SATISFACTORILY IN THE FIELD WITH PAVING EQUIPMENT AND WITH THE AGGREGATE SHALL BE IMMEDIATELY REPORTED TO THE INSPECTOR. ALL CHIP SEAL APPLICATIONS ON ALL ROADS IN THIS CONTRACT SHALL BE ROLLED TO PROPER COMPACTION AS DIRECTED BY THE ENGINEER. CONTRACTORS SHALL ALWAYS USE PNEUMATIC TIRED ROLLERS.

THE PROJECT INSPECTOR MUST BE ON-SITE BEFORE ANY WORK COMMENCES. DELIVERY TICKETS OR SLIPS FOR EVERY LOAD OF STONE AND ASPHALT DELIVERED AND/OR USED AT THE WORK SITE SHALL BE GIVEN TO THE INSPECTOR. SUCH DELIVERY TICKETS WILL BE USED TO VERIFY THE WORK PERFORMED BY THE CONTRACTOR AND PAY THE CONTRACTOR FOR HIS APPLICATION OF THE COLD MIX MATERIAL.

CHIP SEAL BID ITEMS

ITEM SPECIAL-MISC.: EMULSION (CRS-2P)

SHALL INCLUDE THE PRICE OF MATERIAL, LABOR, AND EQUIPMENT TO SUPPLY AND PLACE MIX LIQUID IN THE PER GALLON UNIT BID PRICE.

ITEM SPECIAL-MISC.: No. 67 LIMESTONE

SHALL INCLUDE THE PRICE OF MATERIAL, LABOR, AND EQUIPMENT TO SUPPLY AND PLACE THE LIMESTONE IN THE PER TON UNIT BID PRICE.

ITEM SPECIAL-MISC.: No. 8 LIMESTONE

SHALL INCLUDE THE PRICE OF MATERIAL, LABOR, AND EQUIPMENT TO SUPPLY AND PLACE THE LIMESTONE IN THE PER TON UNIT BID PRICE.

PAVEMENT CALCULATIONS

LOCATION	ROUTE	ROAD NAME	LOG POINT TO LOG POINT		LENGTH L MILES	LENGTH L FT	AVERAGE WIDTH W FT	SURFACE AREA A A=L x W SY	690	690	690	690
			MILE	MILE					#67 (36#/SY)	EMULSION (CRS-2P) (0.6 GAL/SY)	EMULSION (CRS-2P) (0.4 GAL/SY)	#8 (24#/SY)
									TON	GAL	GAL	TON
1	CR 29	BIG BAILEY RUN	0.00	0.390	0.390	2,059	18	4,118	74	2,471	1,647	49
2	CR 29	BIG BAILEY RUN	0.39	4.154	3.764	19,874	18	39,748	716	23,849	15,899	477
TOTALS CARRIED TO GENERAL SUMMARY									790	43,866		526

CALCULATED
DES
CHECKED
RJM

GENERAL NOTES & CALCULATIONS

ATH-CR29--0.00

