

**UTILITIES (G102A)**

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

COMMUNICATION  
BRIGHTSPEED  
175 ASHLAND AVENUE  
MANSFIELD, OH 44907  
419.755.7956

CABLE  
CHARTER COMMUNICATIONS  
5520 WHIPPLE AVENUE NW  
NORTH CANTON, OH 44720  
330.494.9200

GAS  
COLUMBIA GAS OF OHIO  
1021 NORTH MAIN STREET  
MANSFIELD, OH 44903  
419.528.1134

GAS  
TC ENERGY  
589 N STATE ROAD  
MEDINA, OH 44256  
330.721.4163

ELECTRIC  
FIRELANDS ELECTRIC  
1 ENERGY PLACE  
NEW LONDON, OH 44851  
419.929.1571

WASTEWATER  
MUSKINGUM WATERSHED CONSERVANCY  
1319 3rd St NW  
New Philadelphia, OH 44663  
330.343.6647

ELECTRIC  
OHIO EDISON  
1717 ASHLAND ROAD  
MANSFIELD, OH 44905  
419.521.6213

COUNTY  
RICHLAND COUNTY SANITARY ENGINEER  
50 PARK AVENUE EAST  
MANSFIELD, OH 44902  
419.774.3548

COMMUNICATIONS  
AEP OHIO  
2552 QUAKER ROAD  
BUCYRUS, OH 44820  
419.563.1509

CABLE  
ARMSTRONG UTILITIES  
1215 CLAREMONT AVENUE  
ASHLAND, OH 44805  
419.289.0161

COMMUNICATION  
AT&T TRANSMISSION  
5980 WILCOX PLACE  
DUBLIN, OH 43016  
614.760.8320

GAS  
COLUMBIA GAS OF OHIO  
1021 N. MAIN ST.  
MANSFIELD, OH 44903  
419.528.1137

GAS  
DERBY OPERATING CORPORATION  
976 HEYL ROAD  
WOOSTER, OH 44691  
330.263.6736

COMMUNICATION  
EVERSTREAM SOLUTIONS  
800 W ST CLAIR, 2ND FLOOR  
CLEVELAND, OH 44113  
216.581.7972

GAS  
ASPIRE ENERGY  
300 TRACY BRIDGE ROAD  
ORRVILLE, OH 44667  
330.682.7726

COMMUNICATION  
FRONTIER COM  
83 TOWNSEND AVENUE  
NORWALK, OH 44857  
419.744.3613

GAS  
KINDER MORGAN  
605 WESTLAKE DRIVE  
ASHLAND, OH 44805  
714.560.4967

GAS  
MFC DRILLING COMPANY  
46281 U.S. HIGHWAY 36  
COSHOCOTON, OH 43812  
740.622.5600

GAS  
NORTHEAST OHIO NATURAL GAS  
9081 STATE ROUTE 250  
STRASBURG, OH 44680  
330.878.5589

TRAFFIC  
ODOT DISTRICT THREE  
906 CLARK AVENUE  
ASHLAND, OH 44805  
419.207.7045

WATER  
RLCWA  
42401 S.R. 303  
LAGRANGE, OH 44050  
440.355.6060

GAS  
ROVER PIPELINE  
1300 MAIN STREET  
HOUSTON, TX 77002  
501.322.9622

COMMUNICATION  
ZAYO FIBER SOLUTIONS  
4199 KINROSS LAKES PARKWAY  
RICHFIELD, OH 44286  
740.501.6921

CITY  
ROVER PIPELINE  
1300 MAIN STREET  
HOUSTON, TX 77002  
501.322.9622

CITY  
CITY OF ASHLAND  
206 CLAREMONT AVENUE  
ASHLAND, OH 44805  
419.289.8331

GAS  
NORTHEAST OHIO NATURAL GAS  
5640 LANCASTER-NEWARK ROAD NE  
PLEASANTVILLE, OH 43148  
800.237.2099

**UTILITIES (CONTINUED)**

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 MATERIAL 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 (G103)**

THE BELOW LISTED EXISTING PLANS MAY BE INSPECTED IN THE ODOT DISTRICT THREE OFFICE IN ASHLAND.

ROUTES	TITLE	DATE
RIC/ASD 430	RIC-430-10.11 / ASD-430-0.00	2015
ASD 511	ASD-511-0.00	2013
ASD 89	ASD-89-12.03	2015

**WORK LIMITS (G106)**

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.

**PROFILE AND ALIGNMENT**

PLACE THE PROPOSED CHIP SEAL 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 CHIP SEAL AS SHOWN ON THE TYPICAL SECTIONS.

**INTERSECTIONS, DRIVES, AND MAILBOX APPROACHES**

DO NOT TREAT THE APRONS OF INTERSECTING ROADWAYS, EXISTING PAVED DRIVE APRONS, OR EXISTING MAILBOX APPROACHES WITH THIS PROJECT. THE INTENT IS TO MAINTAIN THE MAINLINE TREATMENT WIDTH THROUGH THE INTERSECTIONS ON THIS PROJECT WITHOUT TREATING ANY INTERSECTION APRONS.

PERFORM NO TREATMENT OUTSIDE OF THE EXISTING PAVEMENT. NO ADDED AGGREGATE IS TO BE PLACED ON AGGREGATE DRIVES WITHIN THE PROJECT LIMITS.

ANY HAZARD OR UNSAFE CONDITION RESULTING FROM THE ABOVE WORK MUST BE CORRECTED IMMEDIATELY. THE CONTRACTOR IS REMINDED OF SECTIONS 105.01, 107.07 & 614.02A OF THE CONSTRUCTION AND MATERIALS SPECIFICATIONS.

**ITEM 618 – RUMBLE STRIPS, TRANSVERSE (ASPHALT CONCRETE), AS PER PLAN**

THERE ARE 3 AREAS OF RUMBLE STRIPS ON THE APPROACH OF STATE ROUTE 42 FROM STATE ROUTE 89 SOUTHBOUND. EACH AREA OF RUMBLE STRIPS SHALL BE COMPLETELY REMOVED USING ITEM 251 – PARTIAL DEPTH PAVEMENT REPAIR (442). THE REPLACEMENT MATERIAL SHALL BE ITEM 442 9.5 MM MATERIAL AND SHALL BE PLACED AND COMPACTED TO FINISH FLUSH WITH THE ADJACENT PAVEMENT SURFACE. ITEM 442 SHALL USE A PG64-22 BINDER.

PAVEMENT REPAIRS AND RUMBLE STRIP REINSTALLATION SHALL BE PERFORMED BEFORE PLACEMENT OF THE SINGLE CHIP SEAL TREATMENT. THE DEPTH OF THE REMOVAL SHALL BE 2 INCHES. THE RUMBLE STRIPS SHALL BE REINSTALLED PER SCD BP-9.2. REMOVAL AND REPLACEMENT OF THE RUMBLE STRIPS SHALL OCCUR WITHIN 7 CALENDAR DAYS. DURING THE PERIOD OF TIME WHEN THE RUMBLE STRIPS ARE REMOVED AND THE NEW ONES ARE NOT INSTALLED YET, A PORTABLE MESSAGE SIGN IS TO BE PLACED ON THE APPROACH OF STATE ROUTE 39 TO WARN DRIVERS OF THE UPCOMING INTERSECTION. THE LOCATION AND MESSAGE IS TO BE AS DIRECTED BY THE PROJECT ENGINEER.

THE CHIP SEAL PROCEDURE SHALL BE SUSPENDED AND RESUMED AT OCCURRENCES OF RUMBLE STRIPS AS TO AVOID PLACING EMULSION OR CHIP SEAL IN THE RUMBLE STRIP AREA. THE CHIP SEAL SHALL EXTEND TO WITHIN 6 INCHES ALONG THE INSIDE (TOWARDS CENTERLINE) AND OUTSIDE (TOWARDS EDGE OF TRAVELED WAY) OF THE TRANSVERSE RUMBLE STRIPS. IN ADDITION, THE CHIP SEAL SHALL EXTEND TO WITHIN 6 INCHES FROM THE START AND END OF THE 14'-4", 15 GROOVES ALONG THE DIRECTION OF TRAVEL AS SHOWN IN SCD BP-9.2. DO NOT PLACE ANY CHIP SEAL MATERIAL IN THE 8" GAP BETWEEN PARALLEL GROOVES.

PAYMENT SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO COMPLETE THE RUMBLE STRIPS AND WILL BE MADE AT THE UNIT BID PRICE PER EACH OF ITEM 618 – RUMBLE STRIPS, TRANSVERSE (ASPHALT CONCRETE), AS PER PLAN. A SEPARATE QUANTITY OF ITEM 251 – PARTIAL DEPTH PAVEMENT REPAIR (442) IS PROVIDED FOR USE AT THESE THREE RUMBLE STRIPS AREAS.

ITEM 618 – RUMBLE STRIPS, TRANSVERSE (ASPHALT CONCRETE), AS PER PLAN 3 EACH  
ITEM 251 – PARTIAL DEPTH PAVEMENT REPAIR (442) 3 CY

**ITEM 251 – PARTIAL DEPTH PAVEMENT REPAIR (442)**

THIS ITEM SHALL BE USED WHEN THE REPAIR IS BETWEEN 1.75" AND 3.00" IN DEPTH. THE REPLACEMENT MATERIAL SHALL BE ITEM 442 9.5MM MATERIAL AND SHALL BE PLACED AND COMPACTED TO FINISH FLUSH WITH THE ADJACENT PAVEMENT SURFACE. ITEM 442 SHALL USE A PG64-22 BINDER.

FOR ESTIMATING PURPOSES, AN AVERAGE DEPTH OF REPAIR OF 2" WAS USED.

THIS ITEM 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.

PAVEMENT REPAIR SHALL BE PERFORMED BEFORE PLACEMENT OF THE SINGLE CHIP SEAL TREATMENT. THE DEPTH OF THE REMOVAL SHALL BE SUFFICIENT TO REMOVE ALL DETERIORATED PAVEMENT.

THE CONTRACTOR SHALL BE CAPABLE OF PERFORMING PAVEMENT REPAIRS 4 FEET WIDE.

PAYMENT SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO COMPLETE THE PAVEMENT REPAIR AND WILL BE MADE AT THE UNIT BID PRICE PER CUBIC YARD, (BY TICKET WEIGHT CONVERSION), OF ITEM 251 – PARTIAL DEPTH PAVEMENT REPAIR (442). ESTIMATED QUANTITIES ARE PROVIDED ON THE PAVEMENT AND SHOULDER DATA SHEET AND ARE CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER.

DESIGN AGENCY

DISTRICT 3



ENGINEERING TEAM FOUR

DESIGNER

JLB

REVIEWER

NRF 01-05-23

PROJECT ID

115132

SHEET TOTAL

4 11



PLAN SPLIT	COUNTY	ROUTE	LOG POINT TO LOG POINT		LENGTH		AVERAGE WIDTH FT	TYPICAL SECTION NUMBER (SEE TYP SECTION SHEETS)	PAVEMENT AREA SQ YD	251		422		422		886	
			STRAIGHT LINE MILEAGE	MILE	FEET	PARTIAL DEPTH PAVEMENT REPAIR (442) (2" DEPTH FOR ESTIMATING PURPOSES) CU YD				AGGREGATE, SINGLE CHIP SEAL, TYPE A SQ YD	EMULSION, CHIP SEAL GAL/SY	GALLONS	FOG SEAL GAL/SY	GALLONS			
01/STR/05	RIC	430	10.11	12.50	2.39	12619	29	1	40,662	51	40662	0.40	16265	0.15	6100		
01/STR/05	ASD	430	0.00	0.03	0.03	158	29	1	510	1	510	0.40	204	0.15	77		
01/STR/05	ASD	430	0.03	0.07	0.04	211				SUSPEND AND RESUME AT STRUCTURE APPROACH SLABS							
01/STR/05	ASD	430	0.07	0.60	0.53	2798	30	1	9,327	12	9327	0.40	3731	0.15	1400		
01/STR/05	ASD	511	6.97	8.40	1.43	7550	27	1	22,650	29	22650	0.40	9060	0.15	3398		
01/STR/05	ASD	511	8.40	9.50	1.10	5808	29	1	18,715	24	18715	0.40	7486	0.15	2808		
01/STR/05	ASD	511	9.50	10.59	1.09	5755	26	1	16,626	21	16626	0.40	6651	0.15	2494		
01/STR/05	ASD	511	10.59	10.65	0.06	317				SUSPEND AND RESUME AT STRUCTURE APPROACH SLABS							
01/STR/05	ASD	511	10.65	10.96	0.31	1637	26	1	4,730	6	4730	0.40	1892	0.15	710		
02/S5K/05	ASD	511	10.96	11.18	0.22	1162	26	1	3,357	5	3357	0.40	1343	0.15	504		
01/STR/05	ASD	89	0.00	2.92	2.92	15418	25	1	42,828	54	42828	0.40	17132	0.15	6425		
01/STR/05	ASD	89	0.00	2.92	2.92	15418	26	1	44,541	56	44541	0.40	17817	0.15	6682		
01/STR/05	ASD	89	2.94	3.60	0.66	3485	25	1	9,681	13	9681	0.40	3873	0.15	1453		
01/STR/05	ASD	89	3.60	3.63	0.03	158				SUSPEND AND RESUME AT US 30 R-CUT PROJECT LIMITS							
01/STR/05	ASD	89	3.63	4.02	0.39	2059	25	1	5,720	8	5720	0.40	2288	0.15	858		
01/STR/05	ASD	89	4.02	4.04	0.02	106				SUSPEND AND RESUME AT STRUCTURE APPROACH SLABS							
01/STR/05	ASD	89	4.04	4.26	0.22	1162	26	1	3,357	5	3357	0.40	1343	0.15	504		
01/STR/05	ASD	89	4.26	4.30	0.04	211				SUSPEND AND RESUME AT STRUCTURE APPROACH SLABS							
01/STR/05	ASD	89	4.30	4.68	0.38	2006	25	1	5,573	7	5573	0.40	2230	0.15	836		
01/STR/05	ASD	89	4.68	5.40	0.72	3802				SUSPEND AND RESUME AT JEROMESVILLE CORP. LIMITS							
01/STR/05	ASD	89	5.40	8.91	3.51	18533	26	1	53,540	67	53540	0.40	21416	0.15	8031		
01/STR/05	ASD	89	8.91	8.92	0.01	53				SUSPEND AND RESUME AT US 250 PAVEMENT JOINTS							
01/STR/05	ASD	89	8.92	10.19	1.27	6706	25	1	18,628	24	18628	0.40	7452	0.15	2795		
01/STR/05	ASD	89	10.19	10.25	0.06	317				SUSPEND AND RESUME AT STRUCTURE APPROACH SLABS							
01/STR/05	ASD	89	10.25	11.50	1.25	6600	25	1	18,334	23	18334	0.40	7334	0.15	2751		
01/STR/05	ASD	89	11.50	12.00	0.50	2640	33	1	9,680	13	9680	0.40	3872	0.15	1452		
01/STR/05	ASD	89	12.00	12.01	0.01	53.00				SUSPEND AND RESUME AT US 42 PAVEMENT JOINTS							
01/STR/05	ASD	89	12.01	12.50	0.49	2587	29	1	8,336	11	8336	0.40	3335	0.15	1251		
01/STR/05	ASD	89	12.50	14.54	2.04	10771	25	1	29,920	38	29920	0.40	11968	0.15	4488		
PLAN SPLIT: 01/STR/05 SUBTOTAL									363,358	463	363,358	145,349	54,513				
PLAN SPLIT: 02/S5K/05 SUBTOTAL									3,357	5	3,357	1,343	504				
	RIC	430	SUBTOTAL						40,662	51	40,662	16,265	6100				
	ASD	430	SUBTOTAL						9,837	13	9,837	3,935	1,477				
	ASD	511	SUBTOTAL						66,078	85	66,078	26,432	9,914				
	ADS	89	SUBTOTAL						250,138	319	250,138	100,060	37,526				
GRAND TOTAL CARRIED TO GENERAL SUMMARY									366,715	468	366,715	146,692	55,017				