

**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 19 MM 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.

GENERAL NOTES

DESIGN AGENCY	DISTRICT 3
ENGINEERING TEAM FOUR	
DESIGNER	JLB
REVIEWER	NRF
PROJECT ID	01-05-23
SHEET	115132
TOTAL	4   11



PLAN SPLIT	COUNTY	ROUTE	LOG POINT TO LOG POINT		LENGTH		AVERAGE WIDTH	TYPICAL SECTION NUMBER (SEE TYP SECTION SHEETS)	PAVEMENT AREA	251	422	422	886		
			STRAIGHT LINE MILEAGE	MILE	FEET	FT							SQ YD	PARTIAL DEPTH PAVEMENT REPAIR (442) (2" DEPTH FOR ESTIMATING PURPOSES)	AGGREGATE, SINGLE CHIP SEAL, TYPE A
										CU YD	SQ YD	GAL/SY	GALLONS	GAL/SY	GALLONS
01/STR/05	RIC	430	10.11	12.50	2.39	12619	29	1	40,662	12	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	3	9327	0.40	3731	0.15	1400
01/STR/05	ASD	511	6.97	8.40	1.43	7550	27	1	22,650	7	22650	0.40	9060	0.15	3398
01/STR/05	ASD	511	8.40	9.50	1.10	5808	29	1	18,715	6	18715	0.40	7486	0.15	2808
01/STR/05	ASD	511	9.50	10.59	1.09	5755	26	1	16,626	5	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	2	4730	0.40	1892	0.15	710
02/S5K/05	ASD	511	10.96	11.18	0.22	1162	26	1	3,357	1	3357	0.40	1343	0.15	504
01/STR/05	ASD	89	0.00	2.92	2.92	15418	25	1	42,828	12	42828	0.40	17132	0.15	6425
01/STR/05	ASD	89	0.00	2.92	2.92	15418	26	1	44,541	13	44541	0.40	17817	0.15	6682
01/STR/05	ASD	89	2.94	3.60	0.66	3485	25	1	9,681	3	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	2	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	1	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	2	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	15	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	6	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	6	18334	0.40	7334	0.15	2751
01/STR/05	ASD	89	11.50	12.00	0.50	2640	33	1	9,680	3	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	3	8336	0.40	3335	0.15	1251
01/STR/05	ASD	89	12.50	14.54	2.04	10771	25	1	29,920	9	29920	0.40	11968	0.15	4488
PLAN SPLIT: 01/STR/05 SUBTOTAL									363,358	111	363,358	145,349	54,513		
PLAN SPLIT: 02/S5K/05 SUBTOTAL									3,357	1	3,357	1,343	504		
	RIC	430	SUBTOTAL						40,662	12	40,662	16,265	6100		
	ASD	430	SUBTOTAL						9,837	4	9,837	3,935	1,477		
	ASD	511	SUBTOTAL						66,078	21	66,078	26,432	9,914		
	ADS	89	SUBTOTAL						250,138	75	250,138	100,060	37,526		
GRAND TOTAL CARRIED TO GENERAL SUMMARY									366,715	112	366,715	146,692	55,017		

