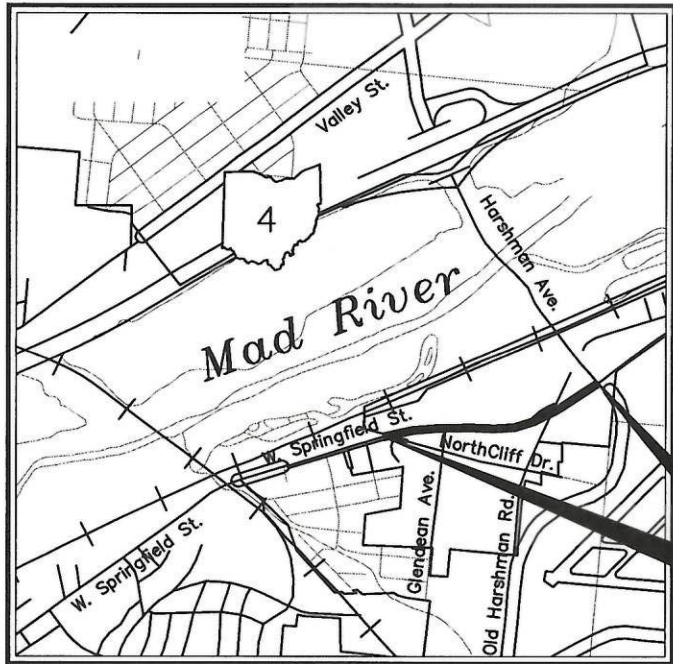


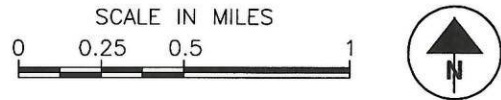
MOT - W Springfield St Recon  
 220375 PID - 105879  
 Dist 7 6/16/2022

Contract Proposal available @  
 www.contracts.dot.state.oh.us



LOCATION MAP

LATITUDE: N 39°-46'-52" LONGITUDE: W 84°-07'-25"



PORTION TO BE IMPROVED \_\_\_\_\_  
 STATE & FEDERAL ROUTES \_\_\_\_\_  
 OTHER ROADS \_\_\_\_\_

DESIGN DESIGNATION	SPRINGFIELD AT NORTHCLIFF	SPRINGFIELD AT NORMAN	SPRINGFIELD AT INTERCHANGE
CURRENT ADT (2022)	3774	4799	8672
DESIGN YEAR ADT (2042)	3925	4990	9019
DESIGN HOURLY VOLUME (2022)	390	500	902
DIRECTIONAL DISTRIBUTION	60%	60%	60%
TRUCKS (24 HOUR B&C)	3%	3%	3%
DESIGN SPEED	35 MPH	35 MPH	35 MPH
LEGAL SPEED	35 MPH	35 MPH	35 MPH

DESIGN FUNCTIONAL CLASSIFICATION:  
 04 - MINOR ARTERIAL (URBAN)

DESIGN EXCEPTIONS  
 NONE

ADA DESIGN WAIVER  
 NONE REQUIRED

PLAN PREPARED BY:



440 E. HOEWISHER ROAD • SIDNEY, OHIO 45365 • 937.497.0200  
 8956 GLENDALE MILFORD ROAD, SUITE 1 • LOVELAND, OHIO 45140 • 513.239.8554  
 www.CHOICEONEENGINEERING.com

ENGINEERS SEAL:

SIGNED: *Allan J. Heitbrink*  
 DATE: 8/3/2021

ENGINEERS SEAL:

SIGNED: *Mitchell Jay Thobe*  
 DATE: 8/3/2021

STATE OF OHIO  
 DEPARTMENT OF TRANSPORTATION  
**MOT-W. SPRINGFIELD STREET RECON.**  
 CITY OF RIVERSIDE  
 MONTGOMERY COUNTY

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PROJECT DESCRIPTION

RESURFACING OF WEST SPRINGFIELD STREET IN RIVERSIDE, OHIO INCLUDING THE RECONSTRUCTION OF CURB, GUTTER, SIDEWALK, STORM INFRASTRUCTURE, AND LIGHTING. IN ADDITION, PAVEMENT STRIPING RECONFIGURATION THAT WILL REDUCE FOUR LANES OF TRAVEL TO TWO LANES WITH A CENTER TWO-WAY LEFT TURN LANE AND BICYCLE FACILITY LANES. ACCESS MANAGEMENT WILL BE IMPROVED BY THE CLOSURE AND RECONFIGURATION OF THE INTERSECTIONS OF NORTHCLIFF STREET AND NORMAN BOULEVARD.

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.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA = 3.4 ACRES  
 ESTIMATED CONTRACTOR EARTH DISTURBED AREA = 0.2 ACRES  
 NOTICE OF INTENT EARTH DISTURBED AREA = 3.6 ACRES

**UNDERGROUND UTILITIES**  
 Contact Two Working Days  
 Before You Dig

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

STANDARD CONSTRUCTION DRAWINGS							SUPPLEMENTAL SPECIFICATIONS		
BP-2.5	7-19-13	HL-20.11	1-15-21	MT-101.60	1-17-20	BP-2.2	1-15-21	800	5/02/22
BP-3.1	1-17-20	HL-20.21	1-15-21	MT-101.90	7-17-20			821	4-20-12
BP-4.1	7-19-13	HL-30.11	1-15-21	MT-105.10	1-17-20			826	1-15-16
BP-5.1	7-16-21	HL-30.22	1-15-21	MT-110.10	7-19-13			832	10-19-18
BP-7.1	7-17-20	HL-40.20	7-17-20					895	4-18-14
		HL-60.11	7-21-17	TC-41.20	10-18-13			916	10-16-20
08-2-2A, 2-2B, 2-2C	7-16-21	HL-60.21	7-20-18	TC-41.40	10-18-13			921	4-20-12
		HL-60.31	1-17-20	TC-42.20	10-18-13			995	7-17-15
DM-1.1	7-17-20			TC-52.10	10-18-13				
DM-1.2	7-16-21	MH-3	7-16-21	TC-52.20	1-15-21				
DM-4.4	1-15-16			TC-71.10	7-16-21				
		MT-95.31	7-19-19	TC-74.10	7-16-21				
HL-10.11	1-15-21	MT-95.32	4-19-19						
HL-10.12	1-20-17	MT-97.10	4-19-19						
HL-10.13	4-17-20	MT-97.12	1-20-17						
HL-10.31	4-17-20	MT-99.20	4-19-19						

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING OF THE HIGHWAY EXCEPT THE SIDE ROADS AS DESCRIBED ON SHEET 11 AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

APPROVED: *Kathy Bartlett, PE*  
 DATE: 7/29/21 PUBLIC SERVICE DIRECTOR, CITY OF RIVERSIDE

APPROVED: *Randall Chvalby, PE, PS*  
 DATE: 8-10-2021 DISTRICT DEPUTY DIRECTOR

APPROVED: *Jack Machbanks, PE*  
 DATE: 4-25-22 DIRECTOR, DEPARTMENT OF TRANSPORTATION

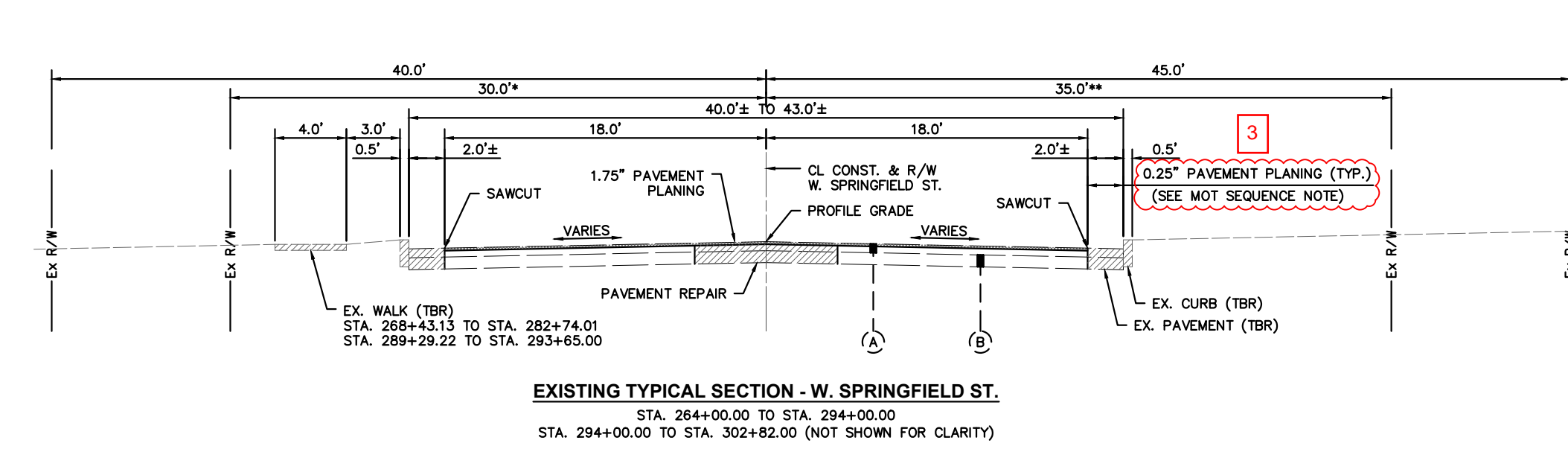
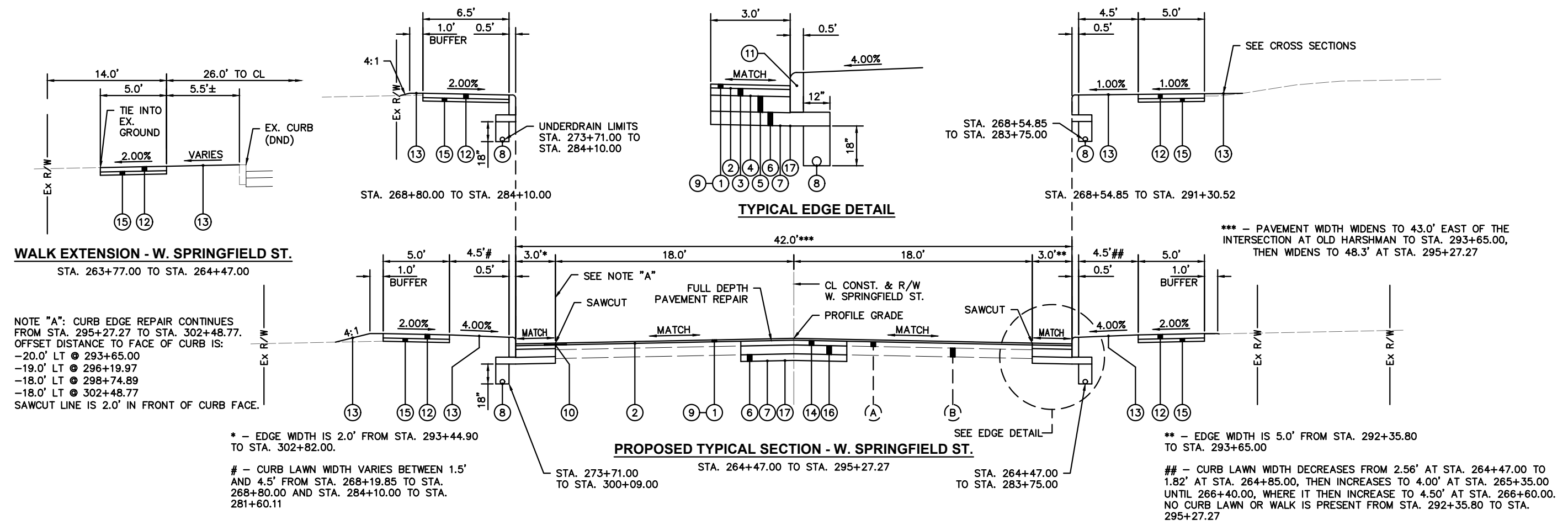
FEDERAL PROJECT NO.  
**E171(400)**

PID NO.  
**105879**

CONSTRUCTION PROJECT NO.

RAILROAD INVOLVEMENT  
**NONE**

MOT-W. SPRINGFIELD ST. RECON



- LEGEND - THIS SHEET ONLY**
- ① - ITEM 826 - 1.75" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), FIBER TYPE C, AS PER PLAN
  - ② - ITEM 407 - NON-TRACKING TACK COAT (APPLIED @ 0.09 GAL/SY)
  - ③ - ITEM 441 - 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449) (PLACED IN 1 LIFT)
  - ④ - ITEM 407 - NON-TRACKING TACK COAT (APPLIED @ 0.06 GAL/SY)
  - ⑤ - ITEM 613 - 7.25" LOW STRENGTH MORTAR BACKFILL
  - ⑥ - ITEM 304 - 6" AGGREGATE BASE
  - ⑦ - ITEM 204 - SUBGRADE COMPACTION
  - ⑧ - ITEM 605 - 4" BASE PIPE UNDERDRAINS
  - ⑨ - ITEM SPECIAL - ASPHALT REJUVENATING AGENT
  - ⑩ - ITEM SPECIAL - PAVEMENT CRACKING AND JOINT REINFORCING FABRIC
  - ⑪ - ITEM 609 - CURB, TYPE 6, AS PER PLAN
  - ⑫ - ITEM 608 - 4" CONCRETE WALK, AS PER PLAN
  - ⑬ - ITEM 659 - SEEDING AND MULCHING, CLASS 1
  - ⑭ - ITEM 301 - 4" ASPHALT CONCRETE BASE, PG64-22, (449)
  - ⑮ - ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
  - ⑯ - ITEM 255 - FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS QC FS (7" THICK)
  - ⑰ - ITEM 204 - GEOGRID
  - (A) - EXISTING ±4" ASPHALT CONCRETE PAVEMENT
  - (B) - EXISTING ±7" CONCRETE BASE

**ITEM 255 - FULL DEPTH PAVEMENT REPAIR AND RIGID REPLACEMENT CONSTRUCTION SEQUENCE**

CONSTRUCT THE SUBGRADE FOR THE PAVEMENT REPAIR AREAS AS FOLLOWS AND IN THE FOLLOWING SEQUENCE:

1. REMOVE THE EXISTING FAILING PAVEMENT (ASPHALT AND CONCRETE BASE) AND PAVEMENT JOINTS DOWN TO THE ORIGINAL AGGREGATE SUBGRADE. REMOVAL OF ASPHALT AND CONCRETE BASE FOR PAVEMENT REPAIRS ARE INCLUDED IN THIS PAY ITEM.
2. EXCAVATE TO 6" BELOW THE EXISTING CONCRETE BASE, COMPACT THE SUBGRADE ACCORDING TO CMS 204.03, INSTALL ITEM 204 - GEOGRID, AND PLACE 6" OF AGGREGATE BASE ON TOP OF THE GEOGRID. THE COST OF EXCAVATION OF AGGREGATES IN THE PAVEMENT REPAIR AREAS IS INCLUDED IN THIS PAY ITEM.

3. RE-COMPACT THE AGGREGATE BASE AND FINE GRADE THE AGGREGATES TO THE SPECIFIED ELEVATIONS AND GRADES.

4. INSTALL DOWELL CONNECTIONS AND WIRE MESH IN ACCORDANCE WITH STD. DWG. BP-2.5 AND AS DESCRIBED IN CMS 255.05. POUR CONCRETE PAVEMENT, CLASS QC FS, TO MATCH THE EXISTING CONCRETE BASE MATERIAL ADJACENT TO THE PAVEMENT REPAIRS. ADJACENT TRANSVERSE JOINTS CROSSED SHALL BE BROUGHT THROUGH REPAIRS USING DOWEL BASKETS PER STD. DWG. BP-2.2.

5. AFTER CURING, CONSTRUCT AND PAVE 301 ASPHALT BASE TO THE REQUIRED DEPTH NECESSARY FOR THE PROPOSED SURFACE TO BE FLUSH WITH ADJACENT EXISTING PAVEMENT SURFACE.

**ITEM 608 - CURB RAMP, AS PER PLAN**

THIS ITEM OF WORK SHALL CONSIST OF THE WORK AS DESCRIBED IN OHIO DEPARTMENT OF TRANSPORTATION ITEM 608 WALKS, CURB RAMPS, AND STEPS, EXCEPT HEREIN MODIFIED.

TRUNCATED DOME SPECIFICATIONS:

INSTALL DETECTABLE WARNINGS (TRUNCATED DOMES) FOR A DISTANCE OF 24" FROM THE BACK OF CURB FOR THE ENTIRE WIDTH OF THE RAMP OPENING WHERE IT IS FLUSH WITH THE PAVEMENT.

THE PANELS SHALL BE CAST IRON MATERIAL. THE PANELS SHALL BE ORDERED TO FIT RADIUS TIGHT. COLOR OF THE PANEL SHALL BE APPROVED BY THE ENGINEER PRIOR TO ORDERING.

PAYMENT FOR ITEM 608 - CURB RAMP, AS PER PLAN, FOR ALL OPERATIONS DESCRIBED ABOVE, SHALL BE AT THE CONTRACT SQUARE FOOT BID PRICE AND SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK PER RAMP.

**ITEM 690 - SPECIAL - PAVEMENT CRACK AND JOINT REINFORCING FABRIC**

A POLYPROPYLENE, STAPLE FIBER, NEEDLE PUNCHED, NON-WOVEN GEOTEXTILE SHALL BE PROVIDED. ACCEPTABLE FABRIC MATERIAL SHALL INCLUDE THE FOLLOWING OR APPROVED EQUAL: GLASGRID CG200 FROM TENSAR INTERNATIONAL, TRUPAVE ENGINEERED PAVING MAT FROM OWENS CORNING, OR PAVEPREP SA FROM CRAFCO INCORPORATED.

THE MATERIAL SHALL BE 20" WIDE AND BE INSTALLED ALONG ALL LONGITUDINAL SAWCUT JOINTS RUNNING PARALLEL WITH THE CURB AND ALL SAWCUT JOINTS FOR FULL DEPTH REPAIR FOR ALL WORK WITHIN THE CURB ON SPRINGFIELD STREET.

THE MATERIAL SHALL BE INSTALLED AFTER THE ADJACENT PAVEMENT HAS BEEN PLANED.

A CALCULATED MEASURED LENGTH OF 11,165 FT HAS BEEN DETERMINED FOR THE PLANS, EQUATING TO 2067 SQ. YD.

THE ENGINEER MAY DETERMINE IN THE FIELD TO COVER ADDITIONAL CRACKS IN THE FIELD. THE FOLLOWING ADDITIONAL ESTIMATED QUANTITIES HAVE BEEN CALCULATED FOR THIS REASON (ADDITIONAL 1% OF PLANED SURFACE) = 212 SQ. YD.

THE FOLLOWING QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY:

ITEM 690 SPECIAL - PAVEMENT CRACK AND JOINT REINFORCING FABRIC..... 2279 SQ. YD.

PAYMENT FOR ITEM 690 SPECIAL - PAVEMENT CRACK AND JOINT REINFORCING FABRIC FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE AT THE CONTRACT SQUARE YARD BID PRICE AND SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

**CROSSING AND CONNECTIONS TO EXISTING PIPES AND UTILITIES**

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEM.

**REVIEW OF DRAINAGE FACILITIES**

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE CITY, REPRESENTATIVES OF THE CITY AND THE CONTRACTOR, ALONG WITH ANY OTHER REPRESENTATIVES, SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCE SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING ALONG WITH PHOTOS BY THE CITY.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE STATE.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEMS.

**UNRECORDED STORM WATER DRAINAGE**

FURNISH A CONTINUANCE FOR ALL UNRECORDED STORM WATER DRAINAGE, SUCH AS ROOF DRAINS, FOOTER DRAINS, OR YARD DRAINS, DISTURBED BY THE WORK. FURNISH EITHER AN OPEN CONTINUANCE OR AN UNOBSTRUCTED CONTINUANCE BY CONNECTING A CONDUIT THROUGH THE CURB OR INTO A DRAINAGE STRUCTURE. THE LOCATION, TYPE, SIZE, AND GRADE OF THE NEEDED CONDUIT TO REPLACE OR EXTEND AN EXISTING DRAIN WILL BE DETERMINED BY THE ENGINEER. ALL SUCH CONTINUANCE REQUIRES A RIGHT OF WAY USE PERMIT.

THE FOLLOWING CONDUIT TYPES MAY BE USED: 707.33, 707.41 NON-PERFORATED, 707.42, 707.43, 707.45, 707.46, 707.47, 707.51, 707.52 SRD35.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER FOR THE WORK NOTED ABOVE:

ITEM 611 - 6" CONDUIT, TYPE B 50 FT  
 ITEM 611 - 6" CONDUIT, TYPE E 50 FT  
 ITEM 611 - 8" CONDUIT, TYPE B 50 FT  
 ITEM 611 - 8" CONDUIT, TYPE E 50 FT

**EXISTING SUBSURFACE DRAINAGE**

PROVIDE UNOBSTRUCTED OUTLETS FOR ALL EXISTING UNDERDRAINS OR AGGREGATE DRAINS ENCOUNTERED DURING CONSTRUCTION.

UNDERDRAINS THAT CAN BE CONNECTED TO THE NEW OR EXISTING UNDERDRAINS OR NEW OR EXISTING DRAINAGE STRUCTURES AT THE END OF THE PROJECT LIMITS AS WELL AS ALL NECESSARY BENDS OR BRANCHES REQUIRED FOR CONNECTION ARE INCLUDED IN THE BASIS OF PAYMENT FOR UNCLASSIFIED PIPE UNDERDRAINS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

ITEM 611 - 4" CONDUIT, TYPE F 50 FT  
 ITEM 611 - 6" CONDUIT, TYPE F 50 FT

**SEEDING AND MULCHING**

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

ITEM 659 - TOPSOIL 968 CU. YD.  
 ITEM 659 - SEEDING AND MULCHING, CLASS 1 8725 SQ. YD.  
 ITEM 659 - REPAIR SEEDING AND MULCHING 436 SQ. YD.  
 ITEM 659 - INTER-SEEDING 436 SQ. YD.  
 ITEM 659 - COMMERCIAL FERTILIZER 1.96 TON  
 ITEM 659 - LIME 1.80 ACRES  
 ITEM 659 - WATER 47.1 M. GAL.

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

**ITEM 826 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), FIBER TYPE C, AS PER PLAN**

THIS ITEM OF WORK SHALL CONSIST OF THE WORK AS DESCRIBED IN OHIO DEPARTMENT OF TRANSPORTATION ITEM 441 ASPHALT CONCRETE - MIX DESIGN AND QUALITY CONTROL AND SUPPLEMENTAL SPECIFICATION 826 ASPHALT CONCRETE WITH FIBERS, EXCEPT AS HEREIN MODIFIED:

FURNISH ALL MATERIALS, EQUIPMENT, LABOR, AND INCIDENTALS FOR MIXING ARAMID FIBER INTO HOT MIX ASPHALT (HMA) OR WARM MIX ASPHALT (WMA) PER THIS SPECIFICATION. ARAMID FIBERS MUST BE COATED TO PREVENT THEM FROM BECOMING AIRBORNE DURING THE MIXING PROCESS, AND THE COATING MUST BECOME SOLUBLE IN THE ASPHALT. COATED ARAMID FIBER SHALL BE CONTINUOUSLY FED AND MIXED INTO HMA OR WMA PER DOSAGE AND MIXING REQUIREMENTS OF THIS SPECIFICATION. A CERTIFIED QA/QC MIXING TECHNICIAN SHALL PERFORM CONTINUOUS FEEDING OF THE COATED ARAMID FIBERS INTO THE ASPHALT DURING PLANT MIXING OPERATIONS FOR ALL OF THE FIBER REINFORCED HMA/WMA QUANTITIES REQUIRED FOR THE PROJECT, AND A P.E. STAMPED CERTIFICATION REPORT MUST BE SUBMITTED UNDER PROJECT COMPLETION.

ACCEPTANCE OF THE REINFORCED HMA/WMA WILL INCLUDE THE FOLLOWING FACTORS:

1. THE OWNER/SPECIFIER SHALL RECEIVE FROM THE CONTRACTOR A PROFESSIONAL ENGINEER STAMPED QA/QC REPORT WHICH CERTIFIES THAT THE METERING AND CONTINUOUS FEEDING WAS PERFORMED PER THE DOSAGE RATE AND ALL OTHER REQUIREMENTS OF THIS SPECIFICATION BY A CERTIFIED TECHNICIAN, AND THAT VISUAL INSPECTION WAS PERFORMED DURING THE MIXING PROCESS TO CERTIFY THAT NO CLUMPING OF ARAMID FIBER OR COATING PRODUCT OCCURRED.
2. ALL OTHER CONSTRUCTION, MIXTURE AND DENSITY REQUIREMENTS OF THE ASPHALT AS DETAILED IN THE STANDARD SPECIFICATIONS SHALL APPLY.

ALL SAWCUTTING OF PAVEMENT SHALL BE INCLUDED IN THIS PAY ITEM.

PAYMENT FOR ITEM 826 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), FIBER TYPE C, AS PER PLAN FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE AT THE CONTRACT CUBIC YARD BID PRICE AND SHALL INCLUDE ALL MATERIAL, LABOR, AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

**EXISTING PAVEMENT COMPOSITION**

BORING	STATION	OFFSET	THICKNESS (IN)			
			ASPHALT SURFACE	CONCRETE BASE	AGG. SUBBASE	TOTAL
B-001-0-17	264+59	15' RT	3.0	8.0	9.0	20.0
B-002-0-17	268+16	14' LT	5.0	7.0	6.0	18.0
B-003-0-17	272+58	13' RT	4.0	7.0	-	11.0
B-004-0-17	276+16	13' LT	4.5	8.5	5.0	18.0
B-005-0-17	280+43	6' RT	4.0	3.0	-	7.0
B-006-0-17	284+25	14' LT	5.5	6.5	-	12.0
B-007-0-17	288+14	15' RT	3.0	7.0	-	10.0
B-008-0-17	293+69	14' LT	5.0	7.0	-	12.0
B-009-0-17	288+13	40' LT	2.0	5.0	6.0	13.0
B-010-0-17	289+26	37' LT	N/A	N/A	N/A	N/A
B-011-0-17	1+20	2' RT	5.0	-	9.5	14.5
B-012-0-17	22+77	6' RT	5.0	-	11.0	16.0
B-013-0-17	0+32	5' RT	8.0	-	14.0	22.0
B-014-0-17	0+44	27' LT	-	6.0	-	6.0
B-015-0-17	2+58	6' RT	8.0	-	5.0	13.0
B-016-0-17	19+80	4' RT	2.0	8.0	2.0	12.0
X-001-0-17	264+55	15' LT	4.0	6.5	-	10.5
X-002-0-17	268+14	16' RT	5.0	7.0	-	12.0
X-003-0-17	272+60	14' LT	4.5	8.0	4.0	16.5
X-004-0-17	276+14	14' RT	4.0	7.0	-	11.0
X-005-0-17	280+46	14' LT	5.0	7.5	-	12.5
X-006-0-17	284+25	15' RT	3.0	6.0	-	9.0
X-007-0-17	288+17	21' LT	7.0	9.0	-	16.0
X-008-0-17	293+66	7' RT	5.0	7.0	-	12.0
X-009-0-17	287+79	38' RT	5.0	8.0	-	13.0
AVERAGE			4.63	6.95	7.15	12.67
MINIMUM			2.0	3.0	2.0	6.0
MAXIMUM			8.0	9.0	14.0	22.0

**ITEM 202 - CATCH BASIN REMOVED ITEM 202 - MANHOLE REMOVED**

THIS ITEM OF WORK SHALL CONSIST OF THE WORK AS DESCRIBED IN THE OHIO DEPARTMENT OF TRANSPORTATION ITEM 202 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS, IN PARTICULAR SECTIONS 202.01, 202.02, 202.04, AND 202.10.

THE CONTRACTOR SHALL TAKE NOTE THAT NUMEROUS STRUCTURES ALONG SPRINGFIELD STREET ARE A COMBINATION CURB INLET AND MANHOLE JUNCTION BOX STRUCTURE. THE PLANS HAVE QUANTITY CALL OUTS TO REMOVE BOTH CATCH BASIN AND THE MANHOLE, EVEN THOUGH SOME OF THESE STRUCTURES ARE A SINGLE UNIT. IN ADDITION, THE CONTRACTOR SHALL BE AWARE OF THE SIZE OF THESE STRUCTURES. NO ADDITIONAL PAYMENT WILL BE GRANTED FOR ADDITIONAL BACKFILL MATERIALS NECESSARY TO FILL THE VOIDS REQUIRED IN THE REPLACEMENT OF THESE STRUCTURES.

THE CONTRACTOR SHALL BACKFILL VOIDS CREATED IN THE REMOVAL PROCESS IN ACCORDANCE WITH SECTION 202.02: WHEN BACKFILL IS REQUIRED, BACKFILL THE RESULTING CAVITIES, VOIDS, OR TRENCHES WITH EITHER ITEM 203 EMBANKMENT MATERIAL OR ITEM 611 STRUCTURAL BACKFILL TYPE 1 OR 2. USE ITEM 611 STRUCTURAL BACKFILL WHEN THE REMOVED ITEM IS UNDER THE PROPOSED PAVEMENT OR PAVED SHOULDER AND WHEN THE SITE LIMITS THE USE OF COMPACTION EQUIPMENT LARGER THAN AN 8-TON ROLLER; OTHERWISE THE CONTRACTOR MAY USE ITEM 203 EMBANKMENT MATERIAL. PLACE AND COMPACT THE EMBANKMENT OR ITEM 611 STRUCTURAL BACKFILL ACCORDING TO 203.

SHEET NUM.												PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.		
7	8	9	47	49	50	51	52	53	58	CALCS	01/S-2/P V	EXT	TOTAL							
												<b>DRAINAGE</b>								
				29								29	611	06100	29	FT	15" CONDUIT, TYPE C			
				296								296	611	07400	296	FT	18" CONDUIT, TYPE B			
				2								2	611	98470	2	EACH	CATCH BASIN, NO. 2-2B			
				26								26	611	98690	26	EACH	CATCH BASIN, MISC.:TYPE D CATCH BASIN	10		
				2								2	611	99574	2	EACH	MANHOLE, NO. 3			
				1								1	611	99582	1	EACH	MANHOLE, NO. 3 WITH 90" BASE I.D. AND 8" WEIR			
				4								4	611	99654	4	EACH	MANHOLE ADJUSTED TO GRADE			
				1								1	895	10020	1	EACH	MANUFACTURED WATER QUALITY STRUCTURE, TYPE 2			
												<b>PAVEMENT</b>								
												760	760	3	254	01000	760	SY	PAVEMENT PLANING, ASPHALT CONCRETE, (VARIABLE DEPTH)	
												2,232	2,232		254	01000	2,232	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 0.25" THICK	
												18,132	18,132		254	01000	18,132	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.75" THICK	
1,050			1,552									2,602			255	10110	2,602	SY	FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS QC FS	
2,950			4,540									7,490			255	20000	7,490	FT	FULL DEPTH PAVEMENT SAWING	
167			249									326	742		301	56000	742	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
175			259					192				1,086	1,712		304	20000	1,712	CY	AGGREGATE BASE	
												2,390	2,390		407	20000	2,390	GAL	NON-TRACKING TACK COAT	
						301	17					318			411	10000	318	CY	STABILIZED CRUSHED AGGREGATE	
												345	345		441	70300	345	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)	
								14				14			441	70500	14	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS)	
								31				31			441	70700	31	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449), (DRIVEWAYS)	
								79				79			452	10011	79	SY	6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN	7
								538				538			452	13011	538	SY	9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN	7
						8,185		34				8,219			609	26001	8,219	FT	CURB, TYPE 6, AS PER PLAN	7
						8.5						8.5			609	72000	8.5	SY	CONCRETE MEDIAN	
												447	447		613	41200	447	CY	LOW STRENGTH MORTAR BACKFILL	
	2,279											2,279			SPECIAL	69012040	2,279	SY	PAVEMENT CRACK AND JOINT REINFORCING FABRIC	8
		783										783			SPECIAL	69012150	783	GAL	ASPHALT REJUVENATING AGENT	9
		LS										LS			SPECIAL	69012160	LS		TESTING	9
												1,130	1,130		826	10041	1,130	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), FIBER TYPE C, AS PER PLAN	8
												<b>WATER WORK</b>								
								1				1			638	10501	1	EACH	FIRE HYDRANT REMOVED AND RESET, AS PER PLAN	9
								11				11			638	10800	11	EACH	VALVE BOX ADJUSTED TO GRADE	
								2				2			638	10900	2	EACH	SERVICE BOX ADJUSTED TO GRADE	
												<b>SANITARY SEWER</b>								
				14	2							16			611	99654	16	EACH	MANHOLE ADJUSTED TO GRADE (SANITARY)	
												<b>LIGHTING</b>								
								34				34			625	00450	34	EACH	CONNECTION, FUSED PULL APART	
								6				6			625	00470	6	EACH	CONNECTION, UNFUSED BOLTED	
								17				17			625	10500	17	EACH	LIGHT POLE, MISC.:MONO ARM LIGHT POLE (AT12B32.5)	131
								17				17			625	14100	17	EACH	LIGHT POLE FOUNDATION, 24" X8' DEEP	
								9,582				9,582			625	22990	9,582	FT	NO. 6 AWG 600 VOLT DISTRIBUTION CABLE	
								2,856				2,856			625	23400	2,856	FT	NO. 10 AWG POLE AND BRACKET CABLE	
								2,888				2,888			625	25408	2,888	FT	CONDUIT, 2", 725.051	
								124				124			625	25909	124	FT	CONDUIT, JACKED OR DRILLED, 725.052, AS PER PLAN, 2"	131
								231				231			625	25909	231	FT	CONDUIT, JACKED OR DRILLED, 725.052, AS PER PLAN, 3"	131
								17				17			625	26253	17	EACH	LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN	131

CALCULATED DMS CHECKED MUT

**GENERAL SUMMARY**

**MOT-W. SPRINGFIELD ST. RECON**

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