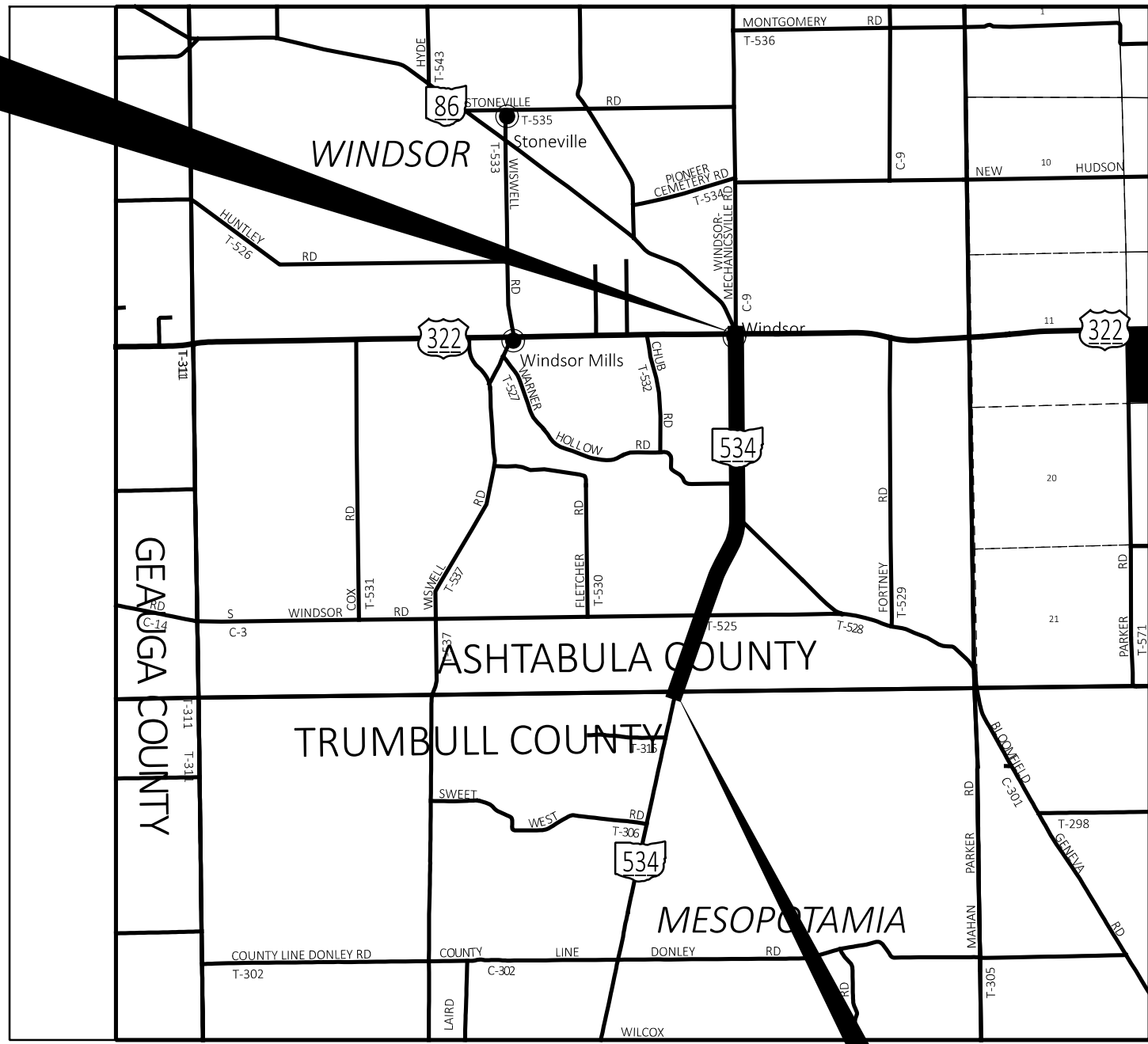




LOCATION 2
 END PROJECT
 ATB-534 SLM 2.43

LOCATION 1
 END PROJECT
 ATB-7 SLM 25.23

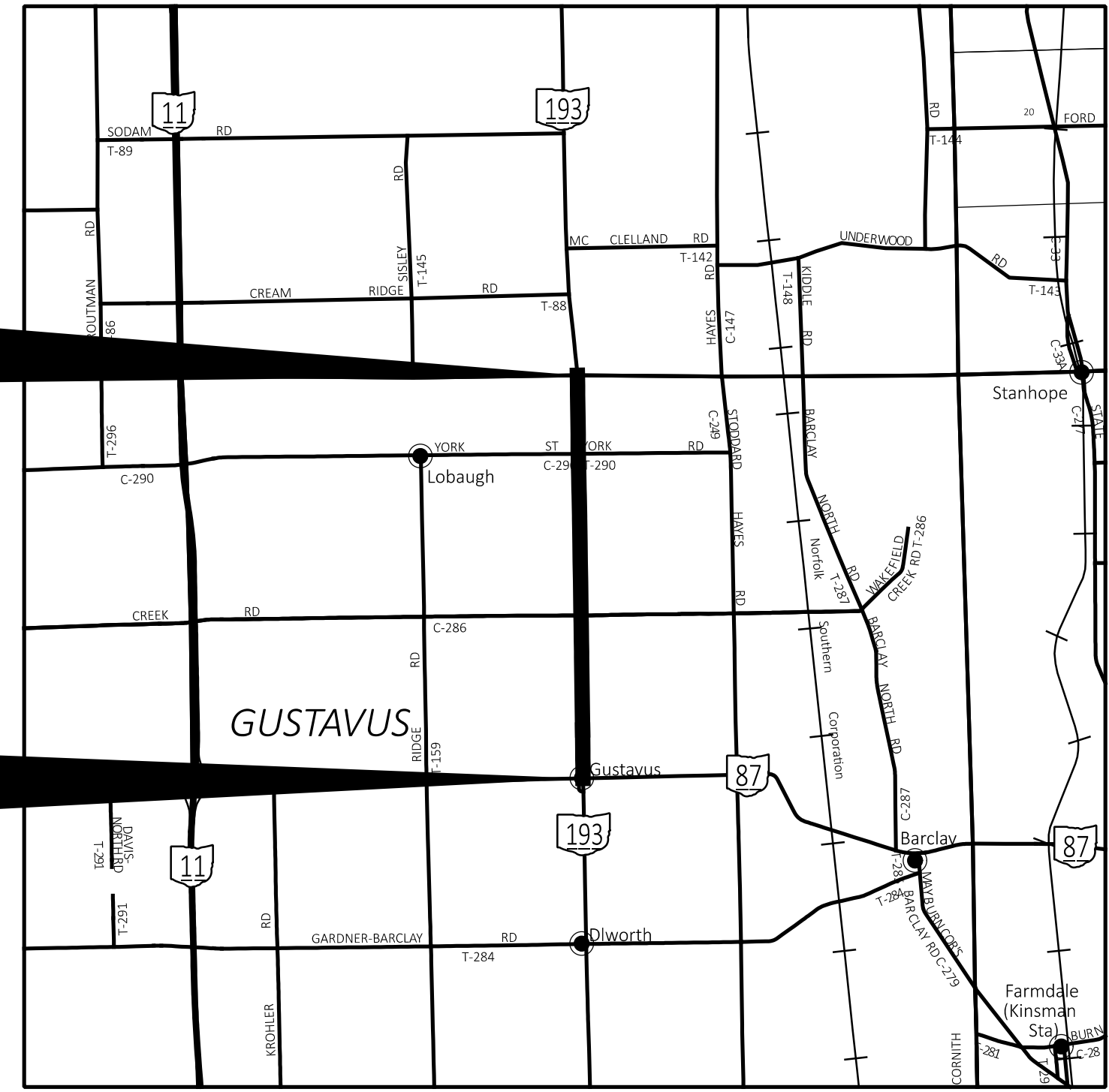
LOCATION 1
 BEGIN PROJECT
 ATB-7 SLM 18.30



LOCATION 3
 END PROJECT
 TRU-193 SLM 25.39

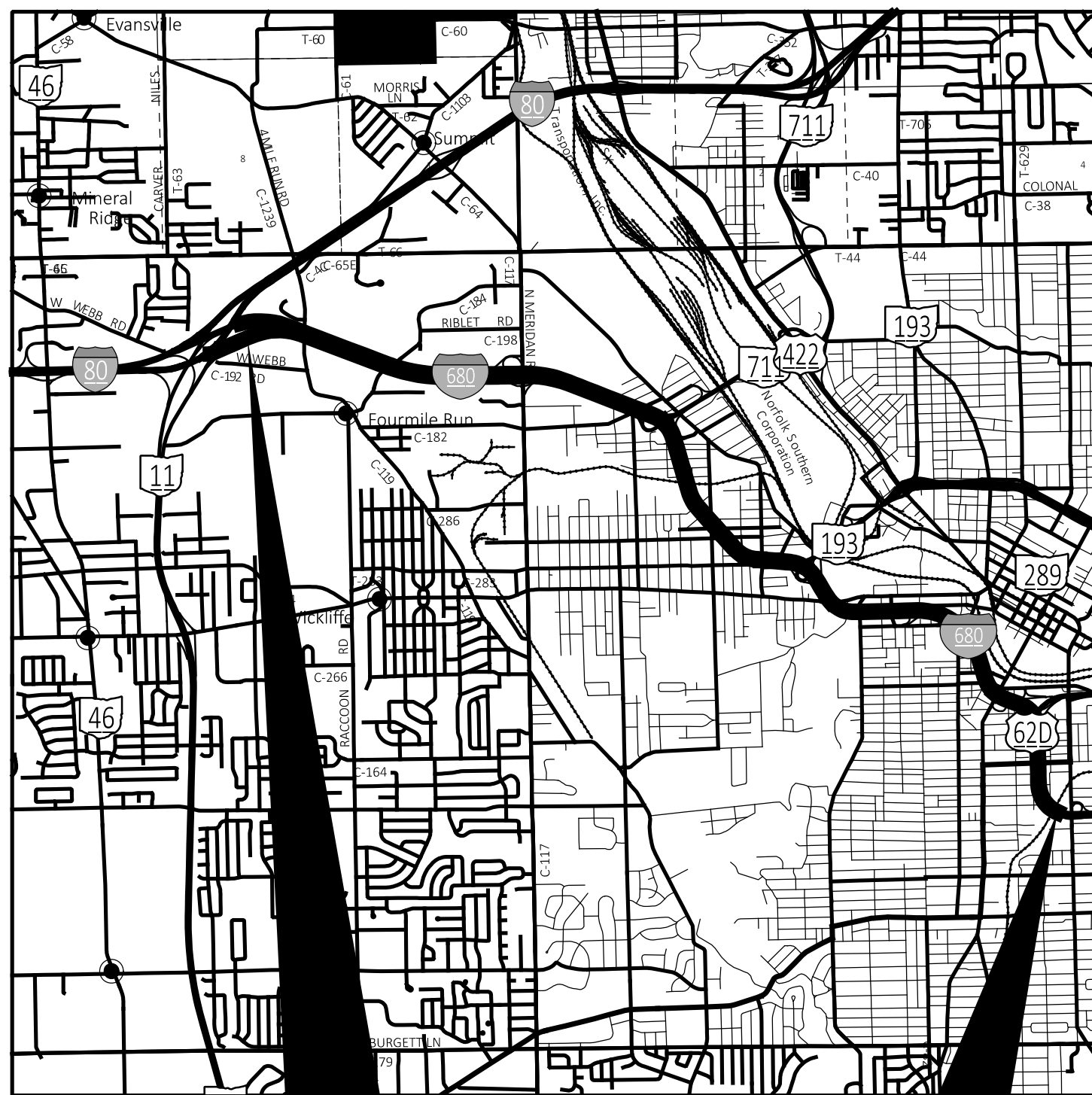
LOCATION 3
 BEGIN PROJECT
 TRU-193 SLM 22.80

LOCATION 2
 BEGIN PROJECT
 ATB-534 SLM 0.00



LOCATION 4
 BEGIN PROJECT
 TRU-609 SLM 0.00

LOCATION 4
 END PROJECT
 TRU-609 SLM 2.50



LOCATION 5 AND 5A
 BEGIN PROJECT
 MAH-680 SLM 0.00

LOCATION 5 AND 5A
 END PROJECT
 MAH-680 SLM 7.00

LEGEND

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

LOCATION MAPS

DESIGN AGENCY



DESIGNER
 CLG
 REVIEWER
 EMS 01-10-24
 PROJECT ID
 116095
 SHEET TOTAL
 P:2 10

UTILITIES

THE CONTRACTOR SHALL USE THE FOLLOWING PROCEDURE AT EACH LOCATION WHERE WORK IS PERFORMED, IN ACCORDANCE WITH SECTIONS 105.07 AND 107.16 IN THE CONSTRUCTION AND MATERIALS SPECIFICATIONS.

THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, OHIO811, THE OHIO DEPARTMENT OF TRANSPORTATION DISTRICT 4 HEADQUARTERS (MICHELLE CHANEY AT 330-786-2267) AND ALL NON REGISTERED UTILITY OWNERS AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS IN ALL AREAS.

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE NOT SHOWN ON THE PLANS, BUT CAN BE OBTAINED FROM THE OWNERS OF THE UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO UTILITIES.

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.

ITEM 621 - RAISED PAVEMENT MARKER REMOVED

IN AREAS WHERE THE RAISED PAVEMENT MARKER CASTINGS CANNOT BE REPLACED BECAUSE OF PAVEMENT CONDITIONS, USE THIS ITEM INSTEAD OF ITEM 621 RPM, INSTALLATION ONLY TO COMPENSATE THE CONTRACTOR FOR REMOVAL OF THE EXISTING RPM AND RESTORATION OF THE PAVEMENT.

ALL BROKEN, CRACKED, FRAGMENTED OR PARTIAL REMNANTS OF RAISED PAVEMENT MARKERS OR MISSING RAISED PAVEMENT MARKERS SHALL BE TOTALLY REMOVED AND THE PAVEMENT RESTORED AS DESCRIBED IN CONSTRUCTION AND MATERIAL SPECIFICATION ITEM 621.08.

THE FOLLOWING IS AN ESTIMATED QUANTITY TO BE USED AS DIRECTED BY THE ENGINEER FOR THE ABOVE WORK:

621, RAISED PAVEMENT MARKER REMOVED 50 EACH

ITEM 621 - RAISED PAVEMENT MARKERS (IR-680 RAMPS)

THE FOLLOWING QUANTITIES HAVE BEEN PROVIDED TO BE USED AS DIRECTED BY THE PROJECT ENGINEER FOR RAMPS THAT ARE RESURFACED WITHIN THE PROJECT LIMITS ON MAH-IR-680.

621, RPM 533 EACH
 621, RAISED PAVEMENT MARKER REMOVED 427 EACH

ITEM 624 - MOBILIZATION, AS PER PLAN

THE PAY REQUIREMENTS UNDER CMS ITEM 624.04.A-C WILL BE WAIVED BY THE DEPARTMENT FOR THIS PROJECT. THE DEPARTMENT FOR THIS PROJECT WILL PAY CMS ITEM 624 MOBILIZATION ON A PER LOCATION BASIS. THIS ITEM WILL BE PAID AT THE COMPLETION OF WORK AT EACH LOCATION LISTED ON THIS SHEET.

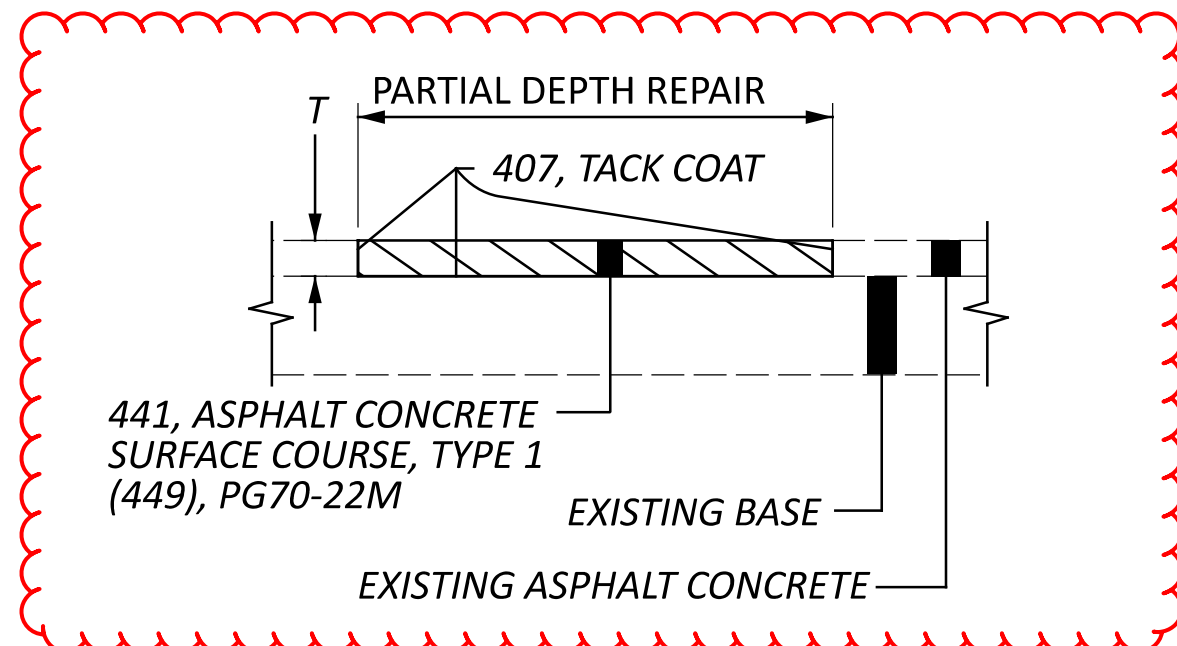
624, MOBILIZATION, AS PER PLAN, 6 EACH

ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (441) (REPAIR TYPE 1)

A QUANTITY OF THESE ITEMS SHALL BE PROVIDED FOR USE AS DIRECTED BY THE ENGINEER. THESE ITEMS SHALL CONSIST OF REPAIRING EXISTING LOCATIONS EXHIBITING SURFACE DETERIORATION AND PLACING ITEM 441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (449), PG70-22M. IT IS NOT THE INTENT TO REPAIR EVERY DETERIORATED AREA WITHIN THE PROJECT. PAVEMENT REPAIRS WILL BE MARKED IN THE FIELD BY THE PROJECT ENGINEER ACCORDING TO CMS 251.02. MINIMUM WIDTH IS 4 FEET PAYMENT SHALL BE BASED ON THE ACTUAL NUMBER OF SQUARE YARDS OF PAVEMENT REPAIR.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

251, PARTIAL DEPTH PAVEMENT REPAIR (441), (T = 3"), 650 SQ. YD.
 251, PARTIAL DEPTH PAVEMENT REPAIR (441), (T = 1.5"), 2,500 SQ. YD.



BREAKDOWN OF TOTAL BY LOCATION:

LOCATION 2
 ATB-SR 534: (WHEEL TRACK AND PAVEMENT EDGE DETERIORATION) (SLM 0.00 TO 2.43, TRUMBULL COUNTY LINE TO US 322)
 ITEM 251, PARTIAL DEPTH PAVEMENT REPAIR (441), (T = 3") @ 650 SQ. YD.

LOCATION 5
 MAH-IR 680 MAINLINE: (SLM 0.00 TO 7.00)
 ITEM 251, PARTIAL DEPTH PAVEMENT REPAIR (441), (T = 1.5") @ 2,500 SQ. YD.

ITEM 642 - PAVEMENT MARKINGS

THE FOLLOWING QUANTITIES HAVE BEEN PROVIDED TO BE USED AS DIRECTED BY THE PROJECT ENGINEER TO MATCH EXISTING PAVEMENT MARKINGS.

AT THE END OF EACH DAY OF WORK, THE CONTRACTOR SHALL REPLACE ALL LANE, CENTER, STOP OR CHANNELIZING LINES THAT WERE REMOVED OR COVERED DURING THE PAVEMENT REMOVAL OR PLACING OPERATIONS.

THE UNIT BID PRICES ON THESE ITEMS WILL NOT BE ADJUSTED AS PER CMS 104.02.D.

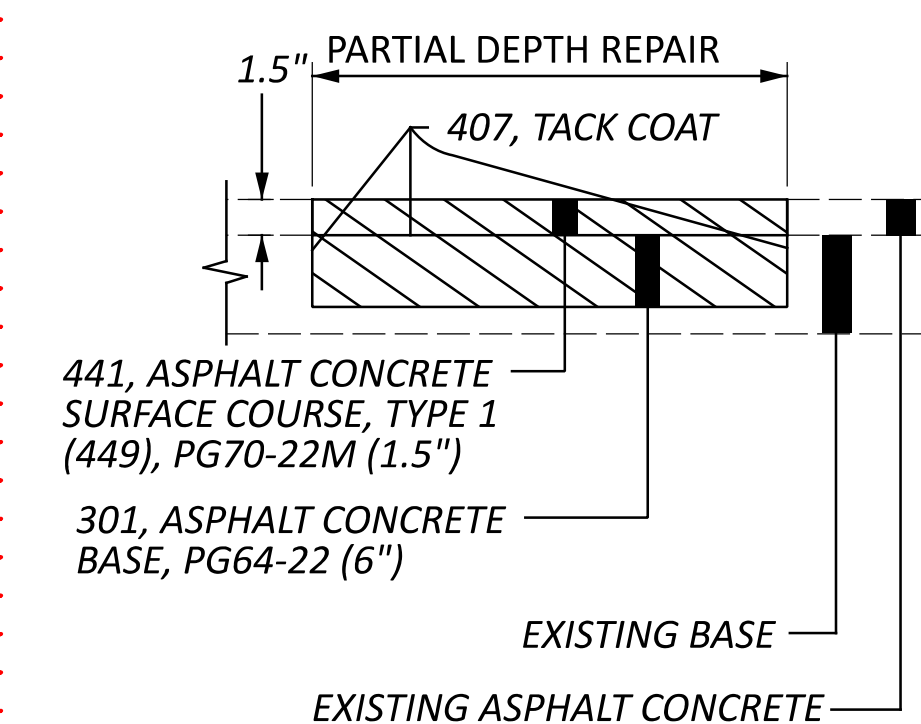
ITEM 642, EDGE LINE, 6" 5 MILES
 ITEM 642, LANE LINE, 6" 2 MILES
 ITEM 642, CHANNELIZING LINE, 12" 100 FT
 ITEM 642, STOP LINE 50 FT
 ITEM 642, CENTER LINE 0.5 MILES

ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (441) (REPAIR TYPE 2)

A QUANTITY OF THIS ITEM SHALL BE PROVIDED FOR USE AS DIRECTED BY THE ENGINEER. THIS ITEM SHALL CONSIST OF CUTTING AND REMOVING DETERIORATED PAVEMENT, PLACING 301 ASPHALT CONCRETE BASE, PG64-22 AND ITEM 441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (449), PG70-22M. IT IS NOT THE INTENT TO REPAIR EVERY DETERIORATED AREA WITHIN THE PROJECT. PAVEMENT REPAIRS WILL BE MARKED IN THE FIELD BY THE PROJECT ENGINEER ACCORDING TO CMS 251.02. MINIMUM WIDTH IS 4 FEET PAYMENT SHALL BE BASED ON THE ACTUAL NUMBER OF SQUARE YARDS OF PAVEMENT REPAIR.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

251, PARTIAL DEPTH PAVEMENT REPAIR (441), (T = 7.5"), 2,350 SQ. YD.



BREAKDOWN OF TOTAL BY LOCATION:

LOCATION 1
 ATB-SR 7: (RIGHT WHEEL TRACK CRACKING AND CENTERLINE JOINT DETERIORATION) (SLM 18.30 TO 25.23)
 ITEM 251, PARTIAL DEPTH PAVEMENT REPAIR (441), (T = 7.5") @ 750 SQ. YD.

LOCATION 2
 ATB-SR 534: (WHEEL TRACK AND PAVEMENT EDGE DETERIORATION) (SLM 0.00 TO 2.43, TRUMBULL COUNTY LINE TO US 322)
 ITEM 251, PARTIAL DEPTH PAVEMENT REPAIR (441), (T = 7.5") @ 100 SQ. YD.

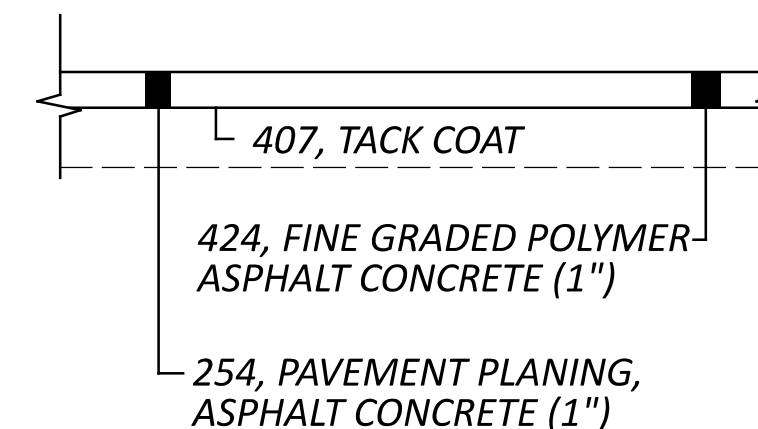
LOCATION 3
 TRU-SR 193: (SLM 22.80 TO 25.39, SR 87 TO ASHTABULA COUNTY LINE)
 ITEM 251, PARTIAL DEPTH PAVEMENT REPAIR (441), (T = 7.5") @ 750 SQ. YD.

LOCATION 4
 TRU-SR 609: (SLM 0.00 TO 2.50, SR 7 TO PA LINE)
 ITEM 251, PARTIAL DEPTH PAVEMENT REPAIR (441), (T = 7.5") @ 750 SQ. YD.

MAH-IR 680 RAMP RESURFACING (LOCATION 5A)

THE DETAIL AND QUANTITIES PROVIDED BELOW ARE FOR THE PURPOSE OF RESURFACING MAH-IR 680 RAMPS. REFER TO SHEET P.7 FOR SPECIFIC RAMP LOCATIONS.

254, PAVEMENT PLANING, ASPHALT CONCRETE (T = 1")
 424, FINE GRADED POLYMER ASPHALT CONCRETE, TYPE B, (449), (T = 1")
 407, NON-TRACKING TACK COAT @ 0.09 GAL/SY



LINEAR GRADING NOTE REMOVED.
 ITEM 304 - AGGREGATE BASE (FOR PAVEMENT REPAIR) NOTE REMOVED.
 ITEM 203 - EXCAVATION (FOR PAVEMENT REPAIR) NOTE REMOVED.
 ITEM 253 PAVEMENT REPAIR NOTE REMOVED.




SHEET NUM.						PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
3	4	5	6	9	10	01/NFP/05	EXT	TOTAL				
	LS					LS	SPECIAL	69091000	LS		AS-BUILT CONSTRUCTION PLANS	4
						1,000	832	30000	1,000	EACH	EROSION CONTROL	
											PAVEMENT	
2,500						2,500	251	01000	2,500	SY	PARTIAL DEPTH PAVEMENT REPAIR (441) (T=1.5")	
650						650	251	01000	650	SY	PARTIAL DEPTH PAVEMENT REPAIR (441) (T=3")	
2,350						2,350	251	01000	2,350	SY	PARTIAL DEPTH PAVEMENT REPAIR (441) (T=7.5")	
				47,084		47,084	254	01000	47,084	SY	PAVEMENT PLANING, ASPHALT CONCRETE (T=1.0")	
				4,238		4,238	407	20000	4,238	GAL	NON-TRACKING TACK COAT @ 0.09 GAL/SY	
				1,308		1,308	424	14100	1,308	CY	FINE GRADED POLYMER ASPHALT CONCRETE, TYPE B, (449) (T=1")	
											TRAFFIC CONTROL	
533						533	621	00100	533	EACH	RPM	
477						477	621	54000	477	EACH	RAISED PAVEMENT MARKER REMOVED	
5						5	642	00104	5	MILE	EDGE LINE, 6", TYPE 1	
2						2	642	00204	2	MILE	LANE LINE, 6", TYPE 1	
0.5						0.5	642	00300	0.5	MILE	CENTER LINE, TYPE 1	
100						100	642	00404	100	FT	CHANNELIZING LINE, 12", TYPE 1	
50						50	642	00500	50	FT	STOP LINE, TYPE 1	
				5.96		5.96	646	10010	5.96	MILE	EDGE LINE, 6"	
				100		100	646	10300	100	FT	CHANNELIZING LINE, 8"	
				156		156	646	10400	156	FT	STOP LINE, 24"	
					30	30	646	10520	30	FT	CROSSWALK LINE, 24"	
											MAINTENANCE OF TRAFFIC	
			300			300	614	11110	300	hour	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
		10				10	614	12460	10	EACH	WORK ZONE MARKING SIGN	
		10				10	614	13000	10	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
			8			8	614	18601	8	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	6
		2				2	614	20560	2	MILE	WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT	
		0.5				0.5	614	21550	0.5	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	
		5				5	614	22360	5	MILE	WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT	
		100				100	614	23690	100	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 12", 642 PAINT	
		50				50	614	26610	50	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	
											INCIDENTALS	
			LS			LS	614	11001	LS	EACH	MAINTAINING TRAFFIC, AS PER PLAN	5
						6	624	15001	6	EACH	MOBILIZATION, AS PER PLAN	3

LINEAR GRADING LINE ITEMS REMOVED.
 ITEM 304 - AGGREGATE BASE LINE ITEM REMOVED.
 ITEM 203 - EXCAVATION LINE ITEM REMOVED.
 ITEM 253 PAVEMENT REPAIR LINE ITEM REMOVED.

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER
CLG

REVIEWER
EMS 01-10-24

PROJECT ID
116095

SHEET TOTAL
P.8 | 10