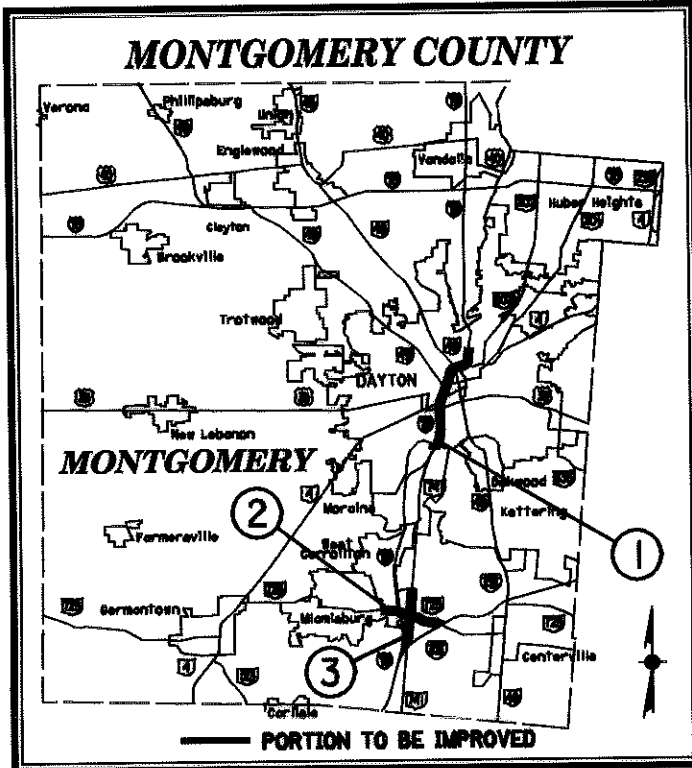


State Job No.
Project No.

PID No. 77577
FED. No. NON-FEDERAL

STATE OF OHIO
OHIO DEPARTMENT OF TRANSPORTATION
MOT-75-10.44

LOCATION MAP



MAINTENANCE
FOUR-LANE RESURFACING

Project Earth Disturbed Area = 0.0 Acres
Estimated Contractor Earth Disturbed Area = N/A
Notice of Intent Earth Disturbed Area = N/A

2002 SPECIFICATIONS

The Standard 2002 Specifications of the State of Ohio Department of Transportation, including changes and supplemental specifications listed in the plans and the proposal shall govern these improvements.

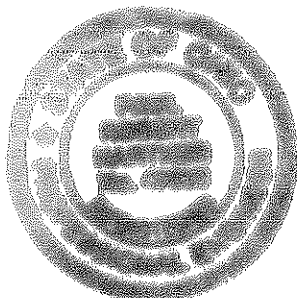
I hereby approve these plans and declare that the making of this improvement will not require the closing of the highway to traffic and that provisions for the maintenance and safety of traffic will be as set forth in the plans and estimates.

3-19-04 *William F. Harrison*
Date Approved District Deputy Director
4-7-04 *Jordan Proctor*
Date Approved Director, Department of Transportation

PROJECT DESCRIPTION: The work proposed by this project consists of resurfacing the existing Interstate 75, State Route 725 and State Route 741 roadways with Item 881, Microsurfacing with Warranty, Multiple Course, As Per Plan, as set forth in these plans.

- ① MOT-75-10.44 (SLM 10.44 to SLM 14.36)
- ② MOT-725-13.50 (SLM 13.50 to SLM 15.60)
- ③ MOT-741-2.70 (SLM 2.70 to SLM 4.40)

ENGINEER'S SEAL



igned *Paul Robert Warden*
ite 3-18-04

UNDERGROUND UTILITIES
TWO WORKING DAYS
BEFORE YOU DIG
CALL 1-800-362-2764 (TOLL FREE)
OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS MUST BE CALLED DIRECTLY

- 1 - Title Sheet
- 2 thru 4 - Pavement Data
- 5 - General Notes
- 6 & 7 - Maintenance of Traffic
- 8 - General Summary

PLAN PREPARED BY:

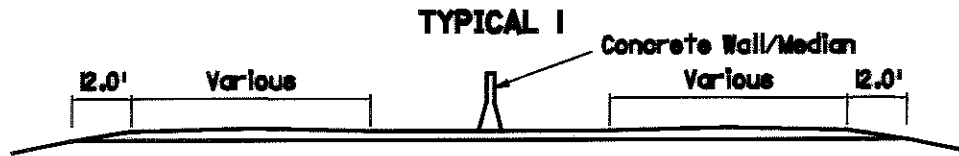


STANDARD DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	
BP-3.1	7-28-00	MT-98.15	4-19-02		
DM-4.3	7-19-02	MT-98.16	4-19-02	832	2-12-03
DM-4.4	7-19-02	MT-99.20M	1-30-95	833	2-12-03
MT-35.10	4-19-02				
MT-95.30	4-19-02	TC-65.10	10-19-01	881	10-18-02
MT-98.12	4-19-02	TC-65.11	10-19-01		
MT-98.13	4-19-02	TC-65.12	10-19-01		
MT-98.14	4-19-02	TC-71.10	4-19-02		

1
8

MOT - 75-10.44
045020 PID #77577
DIST 07 05/05/04

PLAN NO. _____



Work Summary: The work shall consist of constructing Item 881, Microsurfacing with Warranty, Multiple Course, with Rut Fill on Mainline Interstate 75 State Route 725 and State Route 741.

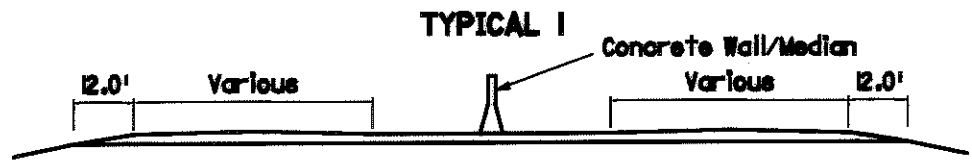
PAVEMENT DATA - MAINLINE

PART	ROUTE	LOG POINT TO LOG POINT SLM	LENGTH		PAVE-MENT WIDTH FEET	TYPICAL	PAVEMENT AREA SQ. YD.	PROPOSED PAVEMENT				617		COMMENTS
			MILE	FEET				407	ASPHALT CONCRETE		COMPACTED AGGREGATE			
								TACK COAT @0.10 gal/ sq. yard GALLONS	881		THICK INCH	CUBIC YARD		
									THICK INCH	SQUARE YARD			THICK INCH	
I	I-75	10.62 - 10.78	0.16	845	38.0						3568		Northbound	
		10.82 - 11.09	0.27	1426	38.0						6021		Northbound	
		11.12 - 11.22	0.10	528	38.0						2229		Northbound	
		11.26 - 11.51	0.25	1320	38.0						5573		Northbound	
		11.54 - 11.64	0.10	528	26.0						1525		Northbound	
		11.66 - 11.88	0.22	1162	26.0						3357		Northbound	
		12.01 - 12.08	0.07	370	38.0						1562		Northbound	
		12.19 - 12.26	0.07	370	50.0						2056		Northbound	
		12.51 - 12.61	0.10	528	38.0						2229		Northbound	
		12.66 - 12.71	0.05	264	38.0						1115		Northbound	
		12.75 - 12.81	0.06	317	38.0						1338		Northbound	
		13.10 - 13.30	0.20	1056	38.0						4459		Northbound	
		13.32 - 13.46	0.14	739	38.0						3120		Northbound	
		13.50 - 13.65	0.15	792	38.0						3344		Northbound	
		13.68 - 13.71	0.03	158	50.0						878		Northbound	
		13.86 - 14.06	0.20	1056	26.0						3051		Northbound	
		14.06 - 14.36	0.30	1584	38.0						6688		Northbound	

CALCULATED BY
 CHECKED BY
MONTGOMERY COUNTY
MOT-75-10.44

PAVEMENT DATA

PLAN NO.



Work Summary: The work shall consist of constructing Item 881, Microsurfacing with Warranty, Multiple Course, with Rut Fill on Mainline Interstate 75 State Route 725 and State Route 741.

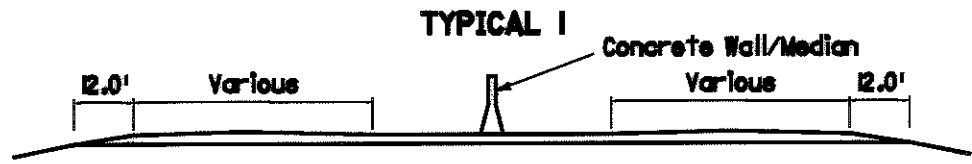
PAVEMENT DATA - MAINLINE

PART	ROUTE	LOG POINT TO LOG POINT SLM	LENGTH		PAVE- MENT WIDTH FEET	TYPICAL	PAVEMENT AREA SQ. YD.	PROPOSED PAVEMENT				617		COMMENTS
			MILE	FEET				407	ASPHALT CONCRETE		COMPACTED AGGREGATE			
								TACK COAT @0.10 gal./ sq. yard GALLONS	THICK INCH	SQUARE YARD	THICK INCH	SQUARE YARD	THICK INCH	
I	I-75	10.62 - 10.78	0.16	845	38.0									Southbound
		10.82 - 11.09	0.27	1426	38.0									Southbound
		11.12 - 11.22	0.10	528	38.0									Southbound
		11.26 - 11.51	0.25	1320	38.0									Southbound
		11.54 - 11.64	0.10	528	26.0									Southbound
		11.66 - 11.88	0.22	1162	26.0									Southbound
		12.01 - 12.08	0.07	370	50.0									Southbound
		12.19 - 12.26	0.07	370	50.0									Southbound
		12.50 - 12.61	0.11	581	38.0									Southbound
		12.65 - 12.71	0.06	317	38.0									Southbound
		12.74 - 12.81	0.07	370	50.0									Southbound
		13.11 - 13.30	0.19	1003	50.0									Southbound
		13.33 - 13.46	0.13	686	50.0									Southbound
		13.50 - 13.71	0.21	1109	50.0									Southbound
		13.90 - 14.06	0.16	845	26.0									Southbound
		14.06 - 14.36	0.30	1584	38.0									Southbound
Total Part I			4.94	26087									109018	

CALCULATED BY
MONTGOMERY COUNTY
CHECKED BY
MOT-75-10.44

PAVEMENT DATA

PLAN NO.



Work Summary: The work shall consist of constructing Item 881, Microsurfacing with Warranty, Multiple Course, with Rut Fill on Mainline Interstate 75 State Route 725 and State Route 741.

PAVEMENT DATA - MAINLINE

PART	ROUTE	LOG POINT TO LOG POINT SLM	LENGTH		PAVE- MENT WIDTH FEET	TYPICAL	PAVEMENT AREA SQ. YD.	PROPOSED PAVEMENT				617	
			MILE	FEET				407		ASPHALT CONCRETE		COMPACTED AGGREGATE	
								TACK COAT @0.10 gal/ sq. yard GALLONS	THICK INCH	SQUARE YARD	THICK INCH	SQUARE YARD	THICK INCH
2	SR 725	13.50 - 14.16	0.66	3485	25/25						19361		
		14.16 - 14.82	0.66	3485	37/37						28654		
		14.82 - 14.92	0.10	528	48/24						4224		
		14.92 - 15.01	0.09	475	25/25						2639		
		15.01 - 15.60	0.59	3115	62.0						21459		
Total Part 2			2.10	11088						76337			
3	SR 741	2.70 - 3.00	0.30	1584	74.0						13024		
		3.00 - 3.50	0.50	2640	62.0						18187		
		3.50 - 3.71	0.21	1109	74.0						9118		
		3.71 - 4.40	0.69	3643	60.0						24287		
Total Part 3			1.70	8976						64616			

CALCULATED BY
MONTGOMERY COUNTY
CHECKED BY
MOT-75-10.44

PAVEMENT DATA

GENERAL NOTES

PLAN NO.

SUMMARY OF WORK

On MOT-75-10.44, the work shall consist of microsurfacing the existing lanes. This shall consist of Thru Lanes and Ramp Lanes as they run parallel with the Thru Lanes. All concrete approach slabs and bridge decks will be skipped.

On MOT-725-13.50 and MOT-741-2.70, the work shall consist of microsurfacing the existing Mainline Lanes edge line to edge line and Turn Lanes as set forth in these plans.

ITEM 202 - RPM REMOVED AND DISPOSED OF

The following estimated quantity has been included in the plans for the Contractor to remove and dispose of the raised pavement markers.

Item 202 - RPM Removed and Disposed Of 1311 each

ITEM 644 - EDGE LINE, AS PER PLAN

The width of the Edge Line on Interstate 75 shall be six inches (6.0").

ITEM 644 - LANE LINE, AS PER PLAN

The width of the Lane Line on Interstate 75 shall be six inches (6.0").

ITEM 881 - MICROSURFACING WITH WARRANTY, MULTIPLE COURSE, AS PER PLAN

Under Item 881, Section 881.04, the surface course shall incorporate a blend of aggregate and trap rock. This blend must contain at least fifty percent (50%) trap rock material. The blend material shall have a maximum LA abrasion value of thirty percent (30%) when individual results are combined mathematically. In addition, the Sodium Sulfate value shall not exceed ten percent (10%) of the blended material when individual results are combined mathematically. The supplier of the microsurfacing material will conduct the LA testing and submit with the mix design submittal.

PAVEMENT MARKINGS

Existing Pavement Markings shall be documented to be replaced in kind. The Ohio Department of Transportation will supply a plan sheet of pavement markings at the preconstruction meeting to the awarded Contractor. The Contractor shall coordinate and corroborate the layout of all pavement markings to be replaced with Ohio Department of Transportation personnel.

TRAFFIC

Traffic shall be maintained at all times. The length of restricted traffic zones shall be kept to a minimum consistent with the specification requirements for protection of completed courses.

The use of paved berms to maintain traffic is prohibited. Should any existing or new berm areas become damaged or destroyed due to the Contractor's negligence or failure to provide adequate signs, barricades, cones, flagmen or other traffic control devices, the restoration of the berms will be at the Contractor's expense, unless otherwise approved by the Engineer.

NOTIFICATION

The Contractor shall notify the Ohio Department of Transportation District Seven Construction Engineer two (2) weeks prior to beginning any work. Phone: (937) 497-6848.

CALCULATED BY
MONTGOMERY COUNTY
CHECKED BY
MOT-75-10.44

GENERAL NOTES

5
8

MAINTENANCE OF TRAFFIC

PLAN NO.

In addition to the requirements as indicated in the "Ohio Manual of Uniform Traffic Control for Streets and Highways", and pertinent items of the Construction and Materials Specifications, the following requirements shall apply.

Due to traffic congestion on this project, the Contractor shall be required to expedite his work to meet the time detour or lane closure time limitations as detailed in the plans. The Contractor shall meet these dates using whatever measures are necessary including, but not limited to, performing work by multiple crews, multiple shifts, overtime, etc.

Work can be performed simultaneously in the Northbound/Southbound and Eastbound/Southbound lanes. One lane of directional traffic will be permitted while the Contractor is actively working on or immediately adjacent to the pavement, and then only for minimum periods of time consistent with the actual requirements of the specific type of work being performed. It is intended that the roadway not be subjected to any work closures unless active work is being performed within or immediately adjacent to the closed lane. The roadway shall not be restricted to one lane directional traffic during periods of intermittent or irregular work, nor closed solely for the convenience of the Contractor. The Engineer shall make the final determination as to what constitutes active work and whether or not the actual work being performed warrants the lane closure. If the lane closure is not justified, the Engineer may order all or part of the closed lane re-opened to traffic until such time that this condition is corrected. The duration and length of all lane closures shall at all times be commensurate with the actual work being performed. Maximum lane closure shall be four (4.0) miles.

All construction work shall be completed within forty-five (45) consecutive calendar days.

The Contractor shall submit, in detail, a schedule of operations and maintenance of traffic to the District Construction Engineer and receive written approval before work is started on the project.

Should the Contractor fail to meet any of these requirements or date set for final completion, the Contractor shall be subject to liquidated damages per Specification 108.07.

In lieu of the schedule of liquidated damages found in Section 108.07 of the Construction and Material Specifications, the Department shall assess five thousand dollars (\$5000) in liquidated damages for each calendar day beyond the number of allotted days that the specified work remains uncompleted.

It is the intention to perform the required work with the least inconvenience to and the maximum safety of the Contractor and the traveling public. Any variances from these Maintenance of Traffic Notes must be approved in advance in writing by the Director.

The Contractor shall arrange his operations to prevent any interference to the continuous flow of traffic. All vehicles, equipment, men and their activities are restricted at all times to one side of the pavement unless otherwise approved by the Engineer.

The use of berms to maintain traffic is prohibited. Should any berm areas become damaged or destroyed due to the Contractor's negligence or failure to provide adequate signs, barricades, cones, flagmen or other traffic control devices, the restoration of the berms will be at the Contractor's expense, unless otherwise approved by the Engineer.

During all hours when traffic is restricted to less than two (2) lanes in the same direction of flow, the Contractor shall employ at least one (1) qualified person to continuously patrol, twenty-four (24) hours a day, the restricted areas. The Contractor shall maintain all lights, barricades, signs, cones, drums, etc. in order to provide a safe facility for the traveling public. He shall have available all tools and materials necessary to perform this function at all times. This will be in addition to the required Law Enforcement Officers with Patrol Cars.

A minimum lane width of eleven linear feet (11.0') shall be provided at all times. A fourteen (14) day advance notice is required when the lane width is to be reduced to eleven linear feet (11.0').

Before work begins, the Contractor shall submit to the Engineer, names and telephone numbers of a person or persons who can be contacted twenty-four (24) hours a day by the Ohio Department of Transportation and all interested police agencies. This person or persons shall be responsible for placing or replacing necessary traffic control devices to maintain the traveled pavement safely.

The Contractor shall be required to provide, erect, maintain (in proper position, clean, legible and good working condition) and remove all lights, signs, barricades, cones and all other traffic control devices necessary for the maintenance of traffic, including pavement markings.

Special Duty Law Enforcement Officers shall be present when any lanes are closed. They shall also be present during the setup and takedown periods.

Interstate 75 - City of Dayton Police
State Route 725 and State Route 741 - City of Miamieburg Police

CALCULATED BY

MONTGOMERY COUNTY

CHECKED BY

MOT-75-10.44

MAINTENANCE OF TRAFFIC

6
8

MAINTENANCE OF TRAFFIC

PLAN NO.

The Contractor shall notify the Engineer forty-eight (48) hours in advance of any lane closures. Information regarding arrangements by the Contractor for Special Duty Law Enforcement Officer(s) may be obtained by contacting the local jurisdiction.

An estimated quantity has been provided in the General Summary to be used as directed by the Engineer.

Item Special, Law Enforcement Officer with Patrol Car 150 Hours

The Contractor shall furnish and install two (2) "Watch for Stopped Traffic" signs (OW-166) one thousand feet (1000') downstream from the "Road Construction Ahead" sign (OW-128). If traffic backups reach the "Watch for Stopped Traffic" signs, the Contractor shall install two (2) additional "Watch for Stopped Traffic" signs every two thousand feet (2000') upstream from the "Road Construction Ahead" signs. The necessity for these signs shall be constantly monitored by the Contractor.

The Contractor shall furnish and install two (2) "Road Construction Next ___ Miles" signs (OC-8) at each end of the work area for the section being resurfaced.

HOLIDAYS AND SPECIAL EVENTS

No work shall be performed and existing lanes shall be open to traffic during the following designated holidays or events:

Memorial Day, July 4th, Labor Day and Thanksgiving.

The period of time that the lanes are to be open depends on the day of the week on which the holiday or event falls and/or is observed. The following schedule shall be used to determine this period:

Day of the Week	Time All Lanes Must be Open to Traffic
Sunday	6:00 a.m. on Friday thru 8:00 p.m. on Monday
Monday	6:00 a.m. on Friday thru 8:00 p.m. on Tuesday
Tuesday	6:00 a.m. on Monday thru 8:00 p.m. on Wednesday
Wednesday	6:00 a.m. on Tuesday thru 8:00 p.m. on Thursday
Thursday	6:00 a.m. on Wednesday thru 8:00 p.m. on Monday
Friday	6:00 a.m. on Thursday thru 8:00 p.m. on Monday
Saturday	6:00 a.m. on Friday thru 8:00 p.m. on Monday

Should the Contractor fail to meet any of these requirements, the Contractor shall be assessed liquidated damages in accordance with 108.07 of the Construction and Material Specifications.

PAYMENT

Payment for all of the above are to be included in the lump sum bid for Item 614 - Maintaining Traffic with the following exceptions: Item 614 - Law Enforcement Officer with Patrol Car, and Item 614 - Work Zone Marking Sign (only those in addition to standard drawings).

NOTIFICATION

The Contractor shall notify the Ohio Department of Transportation, District Seven Construction Engineer two weeks prior to beginning any work. Phone (937) 497-6848.

NIGHT TIME WORK

All work shall be completed between the hours of 10:00 p.m. and 6:00 a.m.

CALCULATED BY: **MONTGOMERY COUNTY**
 CHECKED BY: **MOT-75-10.44**

MAINTENANCE OF TRAFFIC

7
8

GENERAL SUMMARY

PLAN NO.

PART I	PARTS 2 & 3	ITEM	ITEM EXTENSION	GRAND TOTAL	UNIT	DESCRIPTION
450	861	202	54000	1311	EACH	RPM Removed and Disposed Of
70	80	614	11100	150	HOURS	Law Enforcement Officer with Patrol Car
15.7	14.2	614	20000	29.9	MILE	Work Zone Lane Line, Class I
	7.74	614	21000	7.74	MILE	Work Zone Center Line, Class I
	13347	614	23000	13347	FT.	Work Zone Channelizing Line, Class I
	2059	614	26000	2059	FT.	Work Zone Stop Line, Class I
450	861	621	00100	1311	EACH	RPM
	11.89	644	00100	11.89	MILE	Edge Line
7.48		644	00101	7.48	MILE	Edge Line, As Per Plan
	9.56	644	00200	9.56	MILE	Lane Line
7.48		644	00201	7.48	MILE	Lane Line, As Per Plan
	3.87	644	00300	3.87	MILE	Center Line
4000	13347	644	00400	17347	FT.	Channelizing Line
	2059	644	00500	2059	FT.	Stop Line
	1456	644	00600	1456	FT.	Crosswalk Line
	4809	644	00700	4809	FT.	Transverse Line
	330	644	00900	330	FT.	Island Marking
	153	644	01300	153	EACH	Lane Arrow
	66	644	01410	66	EACH	Word on Pavement, 96 Inch
	1373	644	01500	1373	FT.	Dotted Line, 4"
109018	140953	881	20001	249971	SQ. YD.	Microsurfacing with Warranty, Multiple Course, As Per Plan
LUMP	LUMP	614	11000	LUMP		Maintaining Traffic
LUMP	LUMP	624	10000	LUMP		Mobilization

CALCULATED BY
MONTGOMERY COUNTY
 MOT-75-10.44
 CHECKED BY

GENERAL SUMMARY