Istate Job No. 478177 bject No.

MONTGOMERY

ZFermoreville

PID No. 76686 E040589 FED. No.

STATE OF OHIO OHIO DEPARTMENT OF TRANSPORTATION MOT-75-3.77

LOCATION MAP

MONTGOMERY COUNTY

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.

Date Approved

<u> 3-</u>/-04

Director, Department of

PROJECT DESCRIPTION: The work proposed by this project consists of resurfacing the existing Interstate 75 roadway with Item 874, Ultrathin Bonded Asphalt Concrete with Supplement 1059 Warranty as set forth in these plans.

MOT-75-3.77 (State Route 725 to SLM 6.14 at West Carrollton)

PORTION TO BE IMPROVED

UNDERGROUND UTILITIES TWO WORKING DAYS **BEFORE YOU DIG**

1-800-362-2764 (TOLL FREE) OHIO UTILITIES PROTECTION SERVICE NON-MEMBERS MUST BE CALLED DIRECTLY

- I Title Sheet
- 2 & 3 Pavement Data
- 4 Plan Sheet
- 5 General Notes
- 6 & 7 Maintenance of Traffic
- 8 thru 10 Drop-Offs
 - in Work Zones
- II Raised Pavement Markers
- 12 General Summary



January 16, 2004

ENGINEER'S SEAL

Signed / au 1-30-04 Date

PLAN PREPARED BY:



STA	STANDARD DRAWINGS										
BP-3.1	7-28-00	MT-98.15	4-19-02	SPECIF	ICATIONS						
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	I-30-95	833	2-12-03						
MT-35.10	4-20-01										
MT-95.30	4-19-02	TC-65.10	10-19-01	874	7-19-02						
MT-98.12	4-19-02	TC-65.II	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		[2]						

TYPICAL I PLAN NO. 10.01 24.0 4.0 4.0 24.0 0.0 Proposed Pavement

** Item 254, Pavement Planing: Pavement Planing shall be performed one foot (1.0") along left and right edges of mainline pavement. Pavement Planing zero inches (0.0") to three quarters of an inch (0.75") for a butt joint at the front edge of the rumble strips.

CHECKED BY

MOT-75-3.77

Proposed 617 **Existing Payement**

TYPICAL - COMPACTED AGGREGATE

						PA۱	/EMENT	DATA -	MAINL	INE		•					
		I AA BAINIT	I EN	IGTH	B 41/F	Ţ	P2 4 3 50-4 48-4 5-4	f	PROPOS	ED PAVI	EMENT		•	517	254		
P		LOG POINT TO	L., E., IV	UIN	PAVE- MENT	PI	PAVEMENT AREA	407	A:	ASPHALT CONCRETE			COMPACTED		PAVEMENT		
A R T	ROUTE	LOG POINT	LOG POINT			WIDTH	Į		TACK COAT	8	74		F	AGGR	EGATE	PLANING 0.0"-0.75"	
T			FEET	FEET	Ă	SQ. YD.	e0.10 gal./ eq. yard GALLONS	THICK INCH	CLIBIC YARD	THICK INCH	SQUARE YARD	THICK INCH	CLIBIC YARD	** SQ. YD.			
į	I-75	3.77 - 3.91 NB	0.14	739	38.0	00000	(Cor	trol Sect	ion)								
		3.91 - 6.14 NB	2.23	11774	38.0	Internal	49712		0.75	1036			1.5	218	2616		
		3.77 - 3.91 SB	(0.14)	(739)	38.0	1		trol Sect	<u> </u>								
		3.91 - 6.14 SB	(2.23)	(11774)	38.0	-	497 l/2		0.75	1036			1.5	218	2616		
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PAVEMENT DATA

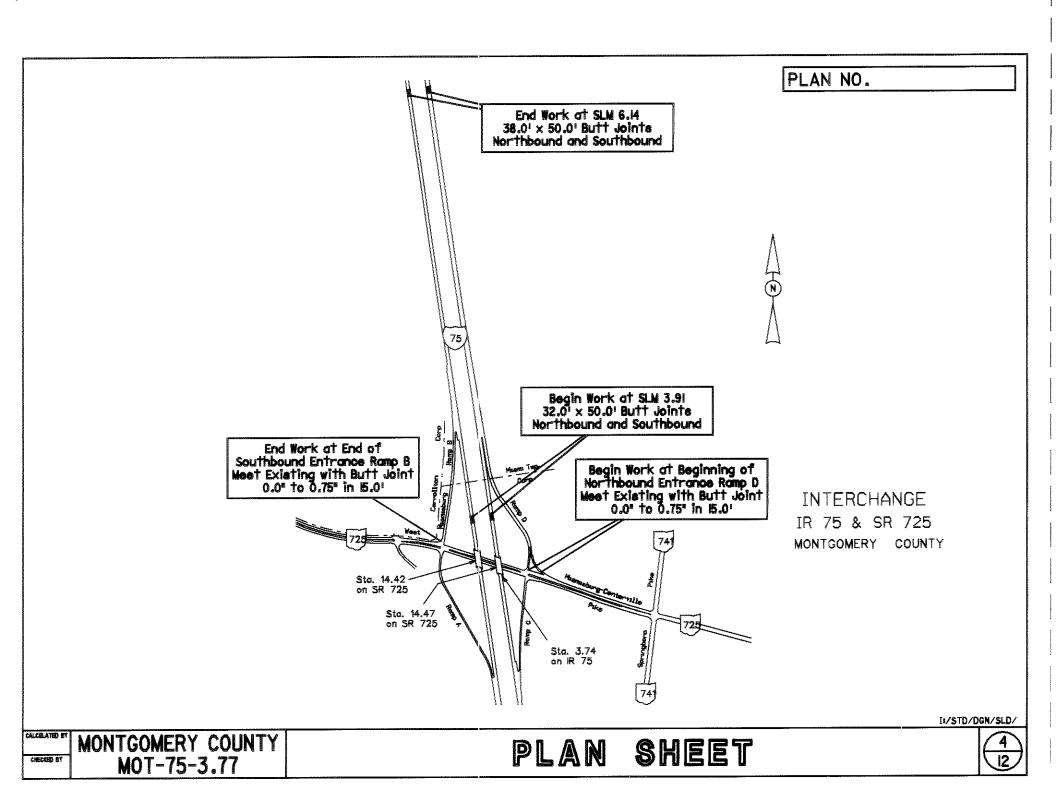
PLAN NO.

2412					AVG.	Ţ		PROPOSED PAVEMENT						17	
			LEN	LENGTH		Y	PAYEMENT AREA	407	AS	SPHALT	CONCRE	ETE	COMPACTED		 The state of the s
8	ROUTE	LOCATION		FEET	PAVE- MENT	I	AIVEA I	TACK COAT	8	74			AGGR	EGATE	A
	A CONTRACTOR OF THE CONTRACTOR		MILE		WIDTH	C A L	SQ. YI).	e0.10 gai./ eq. yard GALLONS	THICK INCH	CLIBIC YARD	THICK INCH	SQUARE YARD	THICK INCH	CUBIC YARD	
	I-75	Ramp B		1725	12.0		2300		0.75	48			1.5	16	
		Ramp B		740	38.0		3124		0.75	65			1.5	7	
		Ramp B		800	48.0		4267		0.75	89			1.5	15	 <u> </u>
		Ramp D		725	22.0		1772		0.75	37			1.5	13	
		Ramp D		1900	36.0		760C		0.75	158			1,5	18	
		Ramp D		840	22.0		2053		0.75	43			1.5	8	 ऻ—
		Ramp D		1850	12.0		2467		0.75	51			1.5	17	
	Extra Ar	eas Total - Part I					23583			491				94	
											A Comment				
															+

MONTGOMERY COUNTY
MOT-75-3.77

PAVEMENT DATA

(3) |12



## GENERAL NOTES

PLAN NO.

### ITEM SPECIAL. ASPHALT REJUYENATING AGENT

The Asphalt Rejuvenating Agent shall be applied to the four foot (4.0) and ten foot (10.0") paved shoulders Northbound and Southbound.

The Asphalt Rejuvenating Agent shall be composed of a cationic emulsion of Gilsonite Ore, uniformly emulsified with water. The material shall have a satisfactory record of service as an asphalt rejuvenating agent and in-depth sealer; such satisfactory service being based on the capability of the material to increase the ductility and penetration value of the asphalt binder in the pavement surface and to seal the pavement in depth to the intrusion of air and water.

The Contractor shall furnish the manufacturer's certification that the material proposed for use is in compliance and include copies of supporting tests and previous use documentation. The product "GSB-38", as manufactured by Asphalt Systems, Inc., of Salt Lake City, Utah is acceptable for these requirements.

The asphalt rejuvenating agent shall be applied by distributor at the temperature recommended by the manufacturer and at the pressure required for proper distribution. Before spreading, the asphalt rejuvenating agent shall be blended with water at the standard dilution ratio of kil. The combined mixture of asphalt rejuvenating agent and water shall be spread at the maximum rate of 0.12 gallon per square yard. as approved by the Engineer.

When application is made under traffic, a light coat of dry, gritty sand shall be applied to the surface in sufficient amount to protect the traveling public. No treated area should be considered completed until that area is determined by the Project Engineer to be safe for travel. No material shall be applied opposite the treated area until the treated area is deemed safe for travel.

Testing - Prior to application of the asphalt rejuvenating agent to the entire project, the Contractor shall apply test strips of said agent as specified above. The Contractor shall apply three (3) test strips on areas of pavement which are representative samples of the pavement to be treated as directed by the Engineer. The test strips shall be ten feet (10°) in width and approximately fifty feet (50°) in length. The application rate shall be 0.10 gallon per square yard: 0.12 gallon per square yard: and 0.15 gallon per square yard, respectively. The Engineer may vary the application rates as field conditions may require. No work shall be permitted until the Engineer has evaluated the test areas and determined the required rate of application for the project.

#### BASIS OF PAYMENT

The unit price for all work items shall include all labor, materials, sand, equipment, etc. necessary to complete the items as specified.

The accepted quantity for the construction seal with rejuvenating agent will be the number of square yards treated, as determined by the Engineer.

Part | Quantity - 41,863.0 square yards = 5024.0 gallons

Item Special - Asphalt Rejuvenating Agent Item Special - Testing

5024.0 gallons LUMD

#### ITEM 253 - PAVEMENT REPAIR

This item of work shall consist of the removal of the existing pavement in areas of existing pavement failure.

The Engineer shall designate the locations and limits of the areas to be repaired. The repair areas shall be roughly rectangular in shape and saved to a neat line. The pavement shall be removed within the designated areas by methods which will not damage the adjacent pavement. The depth of removal, as directed by the Engineer, shall be sufficent to remove all deteriorated pavement (elx inch (6.0") average for Item 253 - Pavement Repair).

The repair great shall be tacked (702.13) prior to placing the Item 448, Asphalt Concrete, Type 2 for Item 253 - Pavement Repair, As Per Plan. The asphalt shall be placed and compacted to finish flush with the adjacent existing pavement surface prior to placing the proposed asphalt concrete overlay. Compaction shall be achieved by mechanical methods to the satisfaction of the Engineer.

Payment shall include all labor, equipment and materials necessary to complete the pavement repair. An estimated quantity is provided in the General Summary to be used as directed by the Engineer. Payment will be made at the unit price bid per square yard of Item 253 - Pavement Repair, As Per Plan.

Item 253 - Pavement Repair, As Per Plan

500.0 square yards

### 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.

CHECKED BY

MONTGOMERY COUNTY MOT-75-3.77

GENERAL NOTES

## 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 kine 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 and Southbound lanes. One lane of directional traffic on I-75 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 intermettent 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 warants 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 lanes closure shall be four (4.0) miles.

All construction work on I-75 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 ausses 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) kines 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 (II.0") shall be provided at all times. A four-teen (I4) day advance notice is required when the lane width is to be reduced to eleven linear feet (II.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 fraffic control devices necessary for the maintenance of traffic, including payement markings.

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

## 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 Cortractor for Special Duty Law Enforcement Officer(s) may be obtained by contacting the Ohio Highway Patrol, 660 East Main Street, Columbus, Ohio. Telephone (614) 466-2660.

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 50 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 5 Miles" signs (OC-8) at each end of the project.

#### HOLIDAYS AND SPECIAL EYENTS

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 Thankegiving.

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. The following schedule shall be used to determine this period:

Day of the Week

Time All Lanes Must be Open to Traffic

Sunday Monday Tuesday Wednesday Thursday Friday Saturday 6:00 a.m. on Friday thru 8:00 p.m. on Monday 6:00 a.m. on Friday thru 8:00 p.m. on Tuesday 6:00 a.m. on Monday thru 8:00 p.m. on Wednesday 6:00 a.m. on Tueday thru 8:00 p.m. on Thursday 6:00 a.m. on Wednesday thru 8:00 p.m. on Monday 6:00 a.m. on Thursday thru 8:00 p.m. on Monday 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.

#### 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 negligance 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.

#### **WORK COORDINATION**

The Contractor shall coordinate the Maintenance of Traffic with the Montgomery County Interstate 75 project to the South of this project.

#### NIGHT TIME WORK

All work shall be completed between the hours of 8:00 p.m. and 6:00 a.m.

#### 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).

### PAVEMENT MARKINGS

Existing Pavement Markings shall be documented to be replaced in kind. The width of the Edge Line and Lane Line shall be increased from four inches (4.0°) to six inches (6.0°).

Item 644 - Edge Line, As Per Plan = 5.91 miles Item 644 - Lane Line, As Per Plan = 10.26 miles

CALCULATED BY

CHEKED BY

MONTGOMERY COUNTY
MOT-75-3.77

MAINTENANCE OF TRAFFIC



## DROP-OFF'S IN WORK ZONES

IPLAN NO.

- I. It is intended that the "Dropoffs in Work Zones" drawing be used for treatment of drop-offs that develope during construction operations, and that are not otherwise provided for in the construction plans. Where the plans do not provide specific items for labor, equipment or materials to implement the drop-off treatments specified herein, they shall be included for payment in the lump sum bid for Item 614, Maintaining Traffic.
- 2. While the need for certain advisory signing is noted herein, it is not intended that this be indicative of all signing that may be required to advise or warn motorists, and all requirements of the Ohio Manual of Uniform Traffic Control Devices (CMUTCD) must be fulfilled.
- In urban or otherwise heavily developed areas where pedestrians and /or bicyclists may be present in significant numbers, additional signing and protective measures other than those shown herein may be required.
- 4. The drop-off treatment selected for use at any given location shall be as appropriate for the prevailing conditions at the site.
- 5. Where concrete barrier is specified, it shall be in accordance with Standard Construction Drawing MC-9.2 and Item 622.
- 6. When drume are specified for a drop-off condition, a minimum number of four (4) drume shall be used. Spacing shall be as indicated in the plane or as specified in the Ohio Manual of Uniform Traffic Control Devices (OMUTCD).
- 7. When OW-151 (Low Shoulder) sians or OW-17! (Uneven Lanes) and OWP-17! signs are required, they shall be placed seven hundred and fifty feet (750") in advance of the condition, on all intersecting entrance ramps within the limits of the condition and immediately beyond all intersecting roadways within the limits of the condition. When the drop-off condition extends more than one-half mile, additional signs should be erected at intervals of one (I) mile or less.
- 8. For locations, such as at ramps, lane shifts, lane closures, etc., where traffic is required to negotiate any difference in elevation between pavements, a 311 slope treatment similar to the Optional Nedge Treatment shall be provided.
- 9. Portable concrete barrier shall be placed on the same level as the traffic surface and shall not encroach on lane width(s) designated as the minimum required for traffic use. Where drums are used, and their presence would reduce traveled lane widths to less than ten feet (10°), drums may be placed on the opposite level from that of traffic, provided the drop-off depth does not exceed five inches (5°) and approval is aranted by the Project Engineer.

- 10. Pavement Repairs (or similar work):
  - a. Lengthe greater than eixty feet (60% utilize appropriate treatment from Condition I.
  - b. Lengths of sixty feet (60') or less repairs shall be affected in accordance with 255.08. Drums may be used as a separator adjacent to the traveled lane.

#### OPTIONAL SHOULDER TREATMENT

- i. This treatment may not be used within a bituminous shoulder where a hot longitudinal joint per 401.15 is required.
- 2. OW-15! signs are required.



Sheet | of 3

## DROP-OFFS IN WORK ZONES

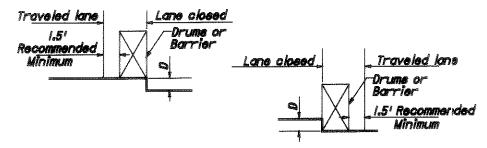
PLAN NO.

### CONDITION I - DROP-OFFS BETWEEN TRAVELED LANES

i. These treatments are to be used for resurfacing, pavement planing, excavation, etc. between or within traveled lanes.

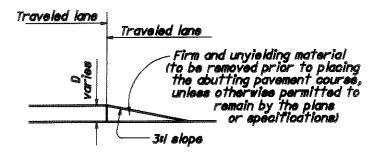
D (Inches)	Treatment
<11/ ₂	Erect OW-171 and OWP-171 signs
>11/2 - 3	D Lane closure utilizing drume* as shown below or 2) Optional Wedge Treatment
<i>)3 - 5</i>	Lane closure utilizing drume as shown below
>5	Lane closure utilizing portable concrete barrier as shown below

* Cones may be used for daytime only conditions



### OPTIONAL WEDGE TREATMENT (MILLING OR RESURFACING)

- I. This treatment may be used when permitted for Condition I only.
- 2. OW-171 and OWP-171 signs are required.

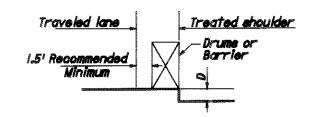


### CONDITION II - DROP-OFFS WITHIN GRADED SHOULDER AREA

- I. The treatments indicated below are for use in conjunction with planing, resurfacing or excavations within the graded shoulder area.
- 2. The graded shoulder area is that flat or gradually sloping area between the edge of a normally traveled lane and the more steeply sloping ditch foreslope or embankment slope. It's surface may be soil or turf, and/or it may be inclusive of a "treated" area (improved with aggregates, asphaltic materials or concrete). For the purposes herein, it's maximum width shall be considered to be twelve feet (12").

D (Inches)	Treatment
<1 ½	U If edgelines are present, no treatment necessary, or 2) Erect OW-171 and OWP-171 signs.
>1 1/2 - 5	D if minimum lane width* requirements can be met, maintain lanes utilizing drums as shown below, or 2) If minimum lane width* requirements cannot be met, close adjacent lane utilizing drums, or 3) Optional Shoulder Treatment.
>5 - 12 Daylight Only	If minimum lane width≠ requirements can be met, maintain lanes utilizing drums as shown below.
<i>&gt;5 - 24</i>	<ul> <li>If minimum lane width* requirements can be met, maintain lanes utilizing portable concrete barrier as shown below, or</li> <li>If minimum lane width* requirements cannot be met, close adjacent lane utilizing drums.</li> </ul>
>24	Lane closure utilizing portable concrete barrier as shown below.

* Minimum lane widthe shall be 10' unless otherwise specified in the plans.



Sheet 2 of 3

## DROP-OFFS IN WORK ZONES

PLAN NO.

### CONDITION III - DROP-OFFS BEYOND GRADED SHOULDER OR BACK OF CURB

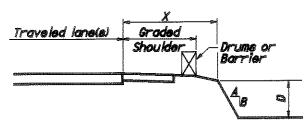
- See Note 2 under Condition II.
- 2. Use Chart A or B below, as applicable.

#### CHART A

Use for: I. Uncurbed Facilities.

2. Curbed Facilities. wherev

a. Curbs are less than six inches (6") in height.
b. Curbs are six inches (6") or greater in height and the legal speed is greater than forty (40) mph.

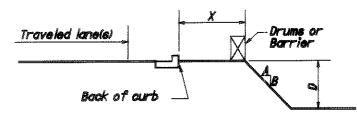


Х	D D	4.49	Treatmen	nt Required	
Feet	Inches	A/B	Day	Night	
0 - 4	Any	Any	(a)	(a)	
4 - 30	Any	34 or Flatter	None	None	
4 - 12	₹3	Steeper than 34	None	None	
4 - 12	<b>λ3-λ12</b>	Steeper than 34	Drume	Drume	
4 - 12	<i>&gt; 12</i>	Steeper than 34	Drume	Barrier	
<i>&gt; 12 - 20</i>	< 12	Steeper than 34	None	None	
» 12 - 20	> 12 - > 24	Steeper than 34	Drume	Drume	
> 12 - 20	> 24	Steeper than 34	Drume	Barrier .	
> 20 - 30	< 24	Steeper than 34	None	Drum <b>e</b>	
<i>&gt; 20 - 30</i>	> 24	Steeper than 34	Drume	8arrier	
> 30	ÂNY	Any	None	None	

(a) Use treatment specified under Condition II

#### CHART B

Use for Curbed Facilities, where the curb is six inches (6°0 or greater in height and the legal speed is forty (40) mph or less.



Х	D	£ #D	Treatment	Treatment Required		
F <b>ee</b> †	Inches	A/B	Day	Night		
0 - 10	< 12	Any	None	Drume		
0 - 10	> 12	Any	Drume	Drume		
> 10	Any	Any	None	None		

Sheet 3 of 3

CALCULATED BY CHECKED BY

MONTGOMERY COUNTY MOT-75-3.77

LOCATION				PRISM	ATIC RE	TRO-REF	LECTOR	TYPES					
all Could Service		SLM SE	CTION		RPM	ONE	-WAY		TWO-WA	Y		F	REMARKS
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							William weeks				The Edge	line	shall be continued
										Name of Parts	around all re	adii	shall be continued to match the Edge Line
					VI					ALCA MINISTER AND	of the	) int	ersecting route.
	14.14.1	ne Divided			5 lw.	iltilane Divi	dad / Eva	ro cowa.	10 41	one Divide	d to 2 Lane Transition	16	Horizontal Curve
		Spacing		and the second		op Approac		i goord)	<del></del>		ed to 2 Lane Transition		Horizontal Curve Alt.
-		d Acceler	ation Lan	10		ane Approac		furn Lane	<u> </u>		rrow Bridge	17	Stop Approach Alt.
Tapered Acceleration Lane   7   Lane Approach w/Left Turn Lane   Deceleration Lane   8   Thru Approach							1.11		<del></del>		† Turn Lane	GAP	Centerline at 80 feet Typ

# **GENERAL SUMMARY**

PLAN NO.

PART	PART 2	ITEM	ITEM Extension	GRAND TOTAL	UNIT	DESCRIPTION
578		202	23500	578	SQ. YD.	Wearing Course Removed
485		202	54100	485	EACH	Raised Pavement Marker Removed for Storage
500		253	00001	500	SQ. YD.	Pavement Repair, As Per Plan
5232		254	01000	5232	SQ. YD.	Pavement Planing, Asphalt Concrete
150		6 4	11100	150	HOURS	Law Enforcement Officer with Patrol Car
10		614	12460	10	EACH	Work Zone Marking Sign
8.92		614	20000	8.92	MILE	Work Zone Lane Line, Class I
530		617	10100	530	CU. YD.	Compacted Aggregate, Type A
493		621	00200	493	EACH	RPM, Installation Only
5.9		644	00101	5.9	MILE	Edge Line, As Per Plan
10.26		644	00201	10.26	MILE	Lane Line, As Per Plan
1610		644	00400	1610	FT.	Channelizing Line
65		644	00500	65	FT.	Stop Line
177		644	00700	177	FT.	Transverse Line
6		644	01300	6	EACH	Lane Arrow
2		644	01410	2	EACH	Word on Pavement, 96 Inch
5024	And the state of t	SPECIAL	690  2 50	5024	GALLON	Asphalt Rejuvenating Agent
LUMP		SPECIAL	690  2 60	LUMP		Testing
2563		874	10020	2563	CU. YD.	Ultrathin Bonded Asphalt Concrete with Supplement 1059 Warrant
was no. w/ 100						
LUMP		614	1000	LUMP		Maintaining Traffic
LUMP		624	10000	LUMP		Mobilization
					100 March 100 Ma	
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CHECKED BY

MONTGOMERY COUNTY MOT-75-3.77

GENERAL SUMMARY

