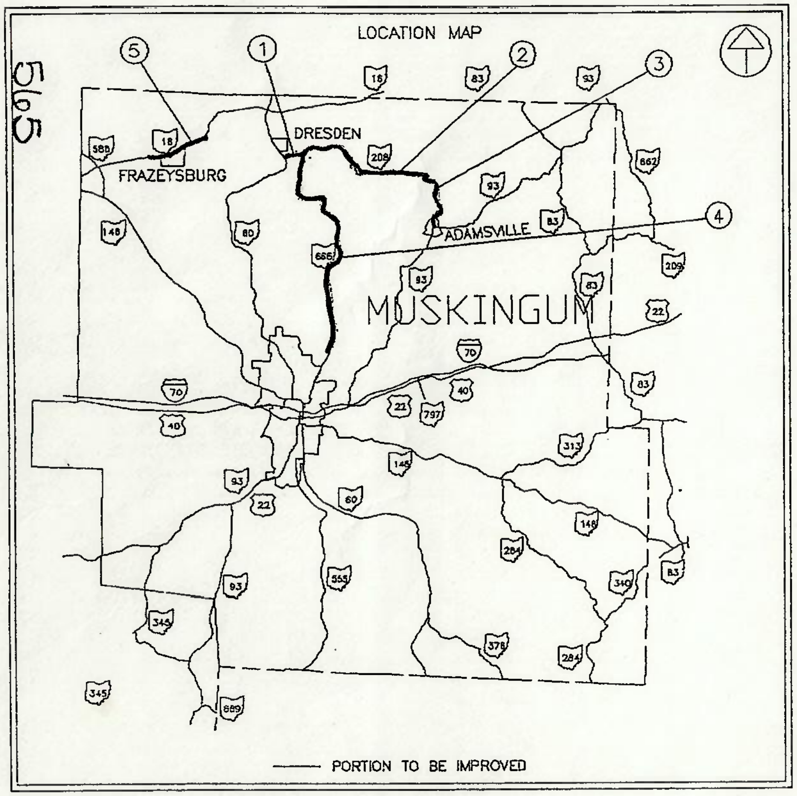
OHIO DEPARTMENT OF TRANSPORTATION

PLAN NO. 207

565 (

PROJECT DESCRIPTION: UPGRADING 10.78 MILE OF SR 208, 12.55 MILE OF SR 666, 1.24 MILE OF SR 16 AND ODNR AREA MUSKINGUM RIVER LOCK #10 BY RESURFACING. THIS INCLUDES: TRAFFIC CONTROL, RAISED PAVEMENT MARKERS, PAVEMENT MARKING AND PLANING.



PART	COUNTY	ROUTE	SECTIONS	PROJECT TERMINII BEGIN	PROJECT TERMINII END	NET LENGTH MILES	CITY	VILLAGE
1	MUS	208	0.44 - 0.80	0.44	0.96	0.52		DRESDEN
2	MUS	208	(0.96 - 1.03)	0.96	11.08	10.12		ADAMSVILLE
3	MUS	208	(11.08)	11.08	11.22	0.14		ADAMSVILLE
4	MUS	666	(1.79 - 10.02)	1.79	14.34	12.55		
5	MUS	16	(3.84 - 4.53)	3.84	5.08	1.24		FRAZEYSBURG
6	MUS	MUSKINGUM RIVER LOCK #10		(SEE SHEET 1A)				ODNR
7	MUS	22	EAST LASALLE ST.					SOUTH ZANESVILLE

INDEX OF SHEETS:

1993 SPECIFICATIONS

The standard specificatons of the State of Ohio, Department of Transportation, including changes and supplemental specifications listed in the proposal shall govern this improvement.

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

Approved [signature]
Date 3-23-94 District Deputy Director of Transportation

Approved [signature]
Date 5-.-94 Engineer of Maintenance

Approved [signature]
Date 3/24/94 Engineer of Bridges

Approved Alexander H. Hynds
Date 5-11-94 Deputy Director, Operations

Approved ______
Date ______

Approved ______
Date ______ Director, Department of Natural Resources

Approved Jerry Wray
Date 5-11-94 Director, Department of Transportation

DESIGN DESIGNATION	1	2	3	4	5
Current ADT (1992)	1040	1470	590	1620	15000
Design Year ADT (2012)	1165	1911	720	2010	18000
Trucks (24 Hour B&C)	50	53	36	68	862

CALC. BY DEK DATE 3-23-94
CHKD. BY ____ DATE ____

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:

DIVISION ADMINISTRATOR ______ DATE ______

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

PLAN PREPARED BY:

STANDARD DRAWINGS		STANDARD DRAWINGS		SUPPLEMENTAL SPECIFICATIONS	
BR-2-82	11-1-82	MT-99.20	4-29-88	862	12-16-88
MT-95.30	10-10-88	TC-82.10	8-29-84	962	1-23-90
MT-97.10	4-29-88	TC-71.10	9-10-91		
BP-3.1	2-21-92	BP-5.1	2-21-92		
BP-4.1	2-21-92	MT-99.10	11-14-86		
MT-95.31	10-10-88				
MT-95.32	8-25-89				
MT-97.11	10-[illegible]				

FEDERAL PROJECT NO.

PID NO. 11182

CONSTRUCTION PROJECT NO.

RAILROAD INVOLVEMENT NONE

MUS-208-0.44
MUS-666-1.79
MUS-16-3.84
MUSKINGUM RIVER LOCK #10

1/32

565
565 (94)
7-19-94
DEE-1

Rev. 6-14-94

MUS–208–0.44
MUS–666–1.79
MUS–16–3.84
MUSKINGUM RIVER
LOCK #10

PLAN NO.

ITEM 614 WORK ZONE MARKING SIGNS

A QUANTITY OF A EACH WORK ZONE MARKING SIGNS (B EACH "NO EDGE LINES" OW–167, C EACH "UNMARKED NO PASSING ZONES" OW–168, D EACH "BEGIN ROAD CONSTRUCTION AHEAD" OW–128, E EACH "END ROAD CONSTRUCTION" OC–8 FOR ADJOINING SIDE ROADS. ALSO, ON SR 666 F EACH "UNEVEN LANE SYMBOL" OW–171–36, G EACH "UNEVEN LANE" OW–171–24 AND H EACH "BUMP" W–36–62) ARE CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER.

PART	1	2	3	4	5	6
A	18	80	30	96	28	4
B	5	30	10	32	12	
C	5	30	10	32	12	
D	4	10	5	10	2	2
E	4	10	5	10	2	2
F				5		
G				5		
H				2		

PAVEMENT MARKING

STOP LINES, CROSSWALK LINES, CHANNELIZING LINES, TURN ARROWS, ETC., SHOWN ON THE PLAN ARE TAKEN FROM EXISTING MARKINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PLACE NEW PAVEMENT MARKINGS AS NEAR AS POSSIBLE TO THE EXISTING LOCATIONS UNLESS OTHERWISE DESIGNATED BY THE ENGINEER.

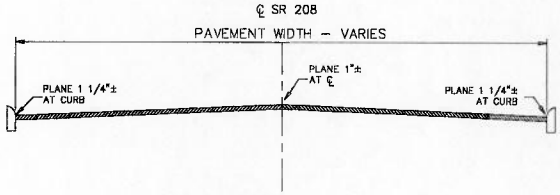
ITEM 254 – PAVEMENT PLANING, BITUMINOUS (PART 1)(PART 5)

THE AREAS DESIGNATED ON THIS SHEET SHALL BE PLANED AS DIRECTED BY THE ENGINEER. FEATHERING AT EACH END OF THE PLANED AREAS SHALL BE AT A RATE OF 1 INCH IN 25 FEET. INTERSECTING STREETS AND DRIVEWAYS WITHIN THE PLANED AREAS SHALL BE PLANED AT A RATE OF 1 INCH IN 10 FEET. THE ENGINEER WILL DECIDE AT THE TIME OF CONSTRUCTION WHICH DRIVES SHALL BE PLANED. PLANING DEPTHS AND LOCATIONS SHOWN ARE APPROXIMATE, FINAL PLANING DEPTHS AND LOCATIONS SHALL BE DETERMINED BY THE ENGINEER AT THE TIME OF CONSTRUCTION. BOTH SIDES OF PAVEMENT THAT IS BEING PLANED SHALL BE BROUGHT UP TO THE SAME ENDING POINT AT THE END OF EACH CONSTRUCTION DAY; ALSO, PLANING AT THE END OF EACH DAY SHALL FEATHER UP SO THAT NO MORE THAN A 1" BUMP SHALL EXIST. THE NEXT DAY THAT PLANING WORK IS RESUMED THE DEPTH SPECIFIED IN THE PLAN OR BY THE ENGINEER SHALL BE BE RESUMED FROM PREVIOUS DESIGNATED DEPTHS.

WHEN PLANING IN THE DRESDEN AREA EXTREME CAUTION SHALL BE USED WHEN PLANING AROUND MANHOLES, WATER VALVES, CATCH BASINS, ETC.
THE INTENT OF THE PLANING ON THIS PROJECT IS TO ACHIEVE MORE CURB HEIGHT FOR MAXIMUM DRAINAGE OF ROADWAYS.

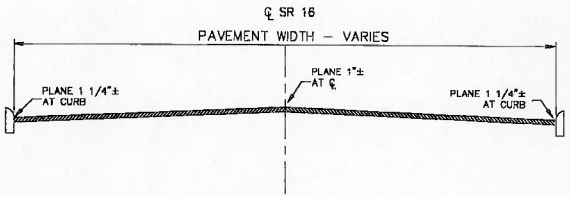
AFTER THE PLANING OPERATION HAS BEEN PERFORMED ON ALL DESIGNATED AREAS AND PATCHING OF PLANED SURFACE HAS BEEN ACCOMPLISHED THE ENTIRE ROADWAY WIDTH SHALL BE OVERLAID WITH THE DESIGNATED THICKNESS OF ASPHALT AS SHOWN ON THE ASPHALT CONCRETE DATA SHEETS. PAYMENT WILL BE FOR THE ACTUAL AMOUNT OF SQ.YDS. OF PLANING AS MEASURED BY THE ENGINEER AT THE TIME OF CONSTRUCTION.

PART 1



PLANING DETAIL
SLM
0.44 – 0.56 (HIGH ST.)

PART 5



PLANING DETAIL
SLM
(BEGINNING OF EXIST. CURB) 4.26 – 4.53 (END OF EXIST. CURB)

GENERAL NOTES

DEE–1

07–15–94 (MAINT – C) M208GN5

MUS-208-0.44
MUS-666-1.79
MUS-16-3.84
MUSKINGUM RIVER
LOCK #10

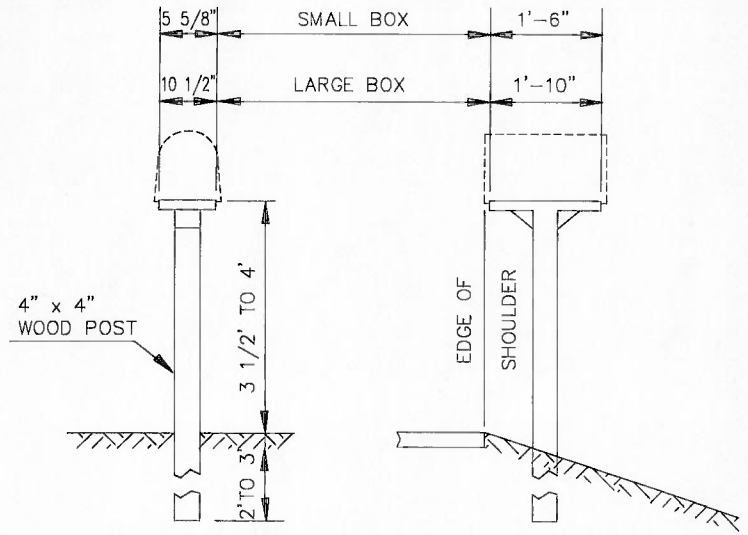
PLAN NO.

ITEM SPECIAL – MAILBOX SUPPORTS

THIS ITEM SHALL CONSIST OF REPLACING AND RESETTING DESIGNATED MAILBOX SUPPORTS WITH PRESSURE TREATED FOUR INCH (NOMINAL) TIMBER POSTS MEETING AASHTO M 133–81 AWPA P 8 OR AWPA 5. MAILBOX SUPPORTS SHALL BE CONSTRUCTED AS PER THE DRAWING ON THIS SHEET. ALL MATERIAL, LABOR, EQUIPMENT, TOOLS AND INCIDENTALS NECESSARY TO COMPLETE THE REMOVAL AND INSTALLATION OF THE EXISTING MAILBOX ON THE NEW TIMBER POSTS AND RESETTING THE MAILBOX POSTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM SPECIAL – MAILBOX SUPPORTS.
THE FOLLOWING QUANTITIES ARE CARRIED TO THE GENERAL SUMMARY FOR THE ABOVE PURPOSE.

ITEM SPECIAL – MAILBOX SUPPORTS

PART 1	PART 2	PART 3	PART 4	PART 5
1 EACH	25 EACH	2 EACH	40 EACH	8 EACH



TYPICAL MAILBOX LOCATION AND MOUNTING HEIGHT

MAIL BOX TURN OUTS

A QUANTITY OF ASPHALT CONCRETE HAS BEEN PROVIDED IN THE PLAN TO COVER MAIL BOX TURN OUTS. TURN OUTS SHALL BE PAVED AS SHOWN IN THE DETAIL IN DRAWING BP–4.1, 2–21–92.
ANY EXTRA GRADING OF THE SHOULDERS, PRIME OR TACK COAT, MATERIALS, LABOR, EQUIPMENT TOOLS AND INCIDENTALS NECESSARY TO COMPLETE MAIL BOX TURN OUTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 448 ASPHALT CONCRETE, SURFACE COURSE, TYPE 1, AC–20,

ITEM 448 ASPHALT CONCRETE, SURFACE COURSE, TYPE 1, AC–20, CU.YD. (SEE TABLE BELOW)

PART	1	2	3	4	5
CuYd.	8	45	4	220	19

RESIDENCE AND COMMERCIAL DRIVES

AN ESTIMATED QUANTITY OF ITEM 448 ASPHALT CONCRETE HAS BEEN INCLUDED IN THE PLAN TO BE USED AS DIRECTED BY THE ENGINEER TO PAVE APPROACH AREAS TO EXISTING DRIVEWAYS. PAVING SHALL EXTEND 10 FEET INTO THE DRIVEWAY, MEASURED FROM THE EDGE OF THE PAVEMENT, OR PAVED BERM. THICKNESS SHALL BE APPROXIMATELY THE SAME AS THE ROADWAY PAVEMENT OR PAVED BERM. FIELD DRIVES AND OIL WELL DRIVES WILL NOT BE PAVED.
ANY GRADING OF EXISTING DRIVES, TACK OR PRIME COAT, ALL MATERIAL, LABOR, EQUIPMENT, TOOLS AND INCIDENTALS NECESSARY TO COMPLETE WORK ON DRIVES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 448 ASPHALT CONCRETE, SURFACE COURSE, TYPE 1 (DRIVEWAYS).
PAVING OF THE MAINLINE SHALL BE COMPLETED BEFORE THE WORK DESCRIBED ABOVE SHALL BEGIN ON DRIVES.
THE QUANTITIES SHOWN IN THE TABLE BELOW HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR THE PURPOSE DESCRIBED ABOVE.

PART	1	2	3	4	5
CU.YD.	53	56	15	168	30

ITEM 448 ASPHALT CONCRETE, SURFACE COURSE, TYPE 1 (DRIVEWAYS)

GENERAL NOTES

DEE–1

07–15–94 (MAINT – C) M208GN3

MANHOLES, CATCH BASINS, AND WATER VALVE BOXES ADJUSTED TO GRADE

SEWER MANHOLES, CATCH BASINS AND WATER VALVE BOXES THAT ARE TO BE ADJUSTED TO GRADE ARE LISTED BELOW. THESE NUMBERS ARE TAKEN FROM FIELD COUNTS. HOWEVER, THE ACTUAL NUMBER THAT ARE TO BE ADJUSTED TO GRADE WILL BE DETERMINED BY THE ENGINEER AT THE TIME OF CONSTRUCTION, PAYMENT SHALL BE FOR THE ACTUAL NUMBERS OF EACH ITEM THAT ARE ADJUSTED TO GRADE AS DETERMINED BY THE ENGINEER.

GAS VALVE BOXES AND TELEPHONE COMPANY MANHOLES AND ANY OTHER UTILITIES ENCOUNTERED ON THE PROJECT SHALL BE ADJUSTED TO GRADE BY THE RESPECTIVE OWNERS.

PART	WATER VALVE	MANHOLES	CATCH BASIN
1	1 EACH	1 EACH	1 EACH
5	1 EACH	1 EACH	7 EACH

SHOULDER RESTORATION

IN ORDER TO PROVIDE POSITIVE DRAINAGE FROM THE ROADWAY SURFACE TO THE SHOULDER BREAK, THE EXISTING ROADWAY SHOULDERS SHALL BE GRADED AND SHAPED USING A GRADER OF ADEQUATE SIZE TO PERFORM THE WORK TO THE SATISFACTION OF THE ENGINEER. PAYMENT FOR ALL OF THE ABOVE GRADING AND SHAPING WORK, INCLUDING LABOR AND INCIDENTALS, SHALL BE PAID FOR AT THE UNIT PRICE BID FOR ITEM SPECIAL – GRADER RENTAL, AND SHALL BE FOR THE ACTUAL NUMBER OF GRADER HOURS WORKED.

ALL EXCESS MATERIAL REMAINING AROUND GUARDRAIL AND OTHER AREAS AFTER THE GRADER WORK IS COMPLETED AND NOT DISPOSED OF ON THE SITE, SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. PAYMENT FOR ALL OF THE ABOVE REMOVAL WORK SHALL BE PAID FOR AT THE UNIT PRICE BID FOR ITEM SPECIAL – LOADER RENTAL, AND SHALL BE FOR THE ACTUAL NUMBER OF LOADER HOURS WORKED. ANY OTHER EQUIPMENT, LABOR OR INCIDENTALS REQUIRED TO COMPLETE THIS ITEM SHALL BE INCLUDED THEREIN FOR PAYMENT. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE ABOVE PURPOSES.

	PART	1	2	3	4	5
ITEM SPECIAL – GRADER RENTAL	HOUR	2	30	1	38	4
ITEM SPECIAL – LOADER RENTAL	HOUR	1	15	1	19	2

PAVED SHOULDERS

THE PAVED SHOULDER SHALL BE APPLIED IN TWO COURSES. THE FIRST BEING 1" OF ITEM 448 ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 1, AC-20 AND IT SHALL BE APPLIED AT THE TIME AS THE FIRST COURSE ON THE ROADWAY. THE SECOND COURSE SHALL BE 1.25" OF ITEM 448 ASPHALT CONCRETE, SURFACE COURSE, TYPE 1, AC-20 TO BE APPLIED AT THE SAME TIME AS THE FINAL COURSE ON THE ROADWAY, AS DIRECTED BY THE ENGINEER.

EXTRA ASPHALT FOR PRE-LEVELING

A QUANTITY OF 448 INTERMEDIATE COURSE HAS BEEN INCLUDED IN THE PLAN TO BE USED AT THE DIRECTION OF THE ENGINEER FOR PRE-LEVELING WHERE THE PAVEMENT IS LOW OR DETERIORATED.
THE QUANTITY OF ITEM 448 SHOWN BELOW HAS BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 448 ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 1, AC-20

PART	CU.YD.
1	36
2	708
3	10
4	878
5	87

RAISED PAVEMENT MARKER REMOVED FOR STORAGE, AS PER PLAN

REMOVAL OF RAISED PAVEMENT MARKERS SHALL CONFORM WITH SECTION NO. 202.071 IN THE CONSTRUCTION AND MATERIAL SPECIFICATIONS MANUAL EXCEPT FOR THE FOLLOWING:
ONCE PAVEMENT MARKERS HAVE BEEN REMOVED THE OPENING THAT REMAINS IN THE ROADWAY SHALL BE CLEANED FREE OF ALL DEBRIS, TACKED AND FILLED WITH ASPHALT CONCRETE BY THE END OF THE SAME CONSTRUCTION DAY AS REMOVAL OF RAISED PAVEMENT MARKERS.
AFTER PAVEMENT MARKERS HAVE BEEN REMOVED BY THE CONTRACTOR, HE WILL THEN BE RESPONSIBLE TO TAKE THE REMOVED MARKERS TO A STATE GARAGE THAT WILL BE DESIGNATED BY THE ENGINEER. THE PROJECT ENGINEER SHALL GIVE THE DISTRICT MAINTENANCE ENGINEER 24 HOUR NOTICE PRIOR TO DELIVERY AND THE PROJECT ENGINEER SHALL BE RESPONSIBLE FOR FURNISHING ALL NECESSARY TRANSFER DOCUMENTATION WITH ALL DELIVERIES. PAYMENT FOR ALL WORK DESCRIBED ABOVE SHALL BE PAID FOR UNDER ITEM 202 RAISED PAVEMENT MARKERS REMOVED FOR STORAGE, AS PER PLAN.

MUS-208-0.44
MUS-666-1.79
MUS-16-3.84
MUSKINGUM RIVER
LOCK #10

PLAN NO.

GENERAL NOTES

ITEM 202 – CURB REMOVED
ITEM 609 – CURB, TYPE 6

A QUANTITY OF CURB, TYPE 6, AS PER PLAN HAS BEEN INCLUDED IN THE PLAN TO REPLACE CURB (BOTH SIDES). THESE LOCATIONS WILL START FROM SLM 4.26 TO SLM 4.45 ON THE LEFT SIDE AND SLM 4.26 TO SLM 4.48 ON THE RIGHT SIDE. THE ENGINEER WILL DESIGNATE EXACTYLY WHERE THE PROPOSED CURB SHALL BE BUILT. THIS QUANTITY ALSO INCLUDES DEPRESSED CURB AT DRIVEWAYS. INSTALLATION OF DEPRESSED CURB SHALL BE AS SHOWN IN DRAWING BP-5.1, 2-21-92. FINAL CURB HEIGHT AFTER PAVING SHALL BE SIX INCHES AS SHOWN IN DRAWING BP-5.1, 2-21-92. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL INFORMATION AND MATERIALS NEEDED IN ORDER TO ESTABLISH THE ELEVATIONS OF THE PROPOSED CURB. ALL WORK SHALL MEET THE APPROVAL OF THE ENGINEER. PREPARATION FOR NEW CURB, NECESSARY REMOVAL OF ANY OBSTRUCTIONS (DETERMINDED BY THE ENGINEER), EARTHWORK, ANY SAWING OR OTHER RELATED WORK NECESSARY AT DRIVES, ALL MATERIALS, LABOR, EQUIPMENT, TOOLS AND INCIDENTALS NECESSARY TO CONSTRUCT CURB SHALL BE INCLUDED IN THE UNIT BID FOR ITEM 609, CURB , TYPE 6.

JOINTS SHALL BE CONSTRUCTED IN THE CURB AT 10 FOOT INTERVALS AS DESCRIBED IN 609.04 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS MANUAL.

SEEDING SHALL BE PERFORMED AS WRITTEN IN THE CMS MANUAL UNDER ITEM 659 SEEDING AND MULCHING. AN ESTIMATED QUANITY OF SEEDING AND MULCHING HAS BEEN PROVIDED FOR THIS PURPOSE.

EARTHWORK AND SEEDING BEHIND THE PROPOSED CURB SHALL BE APPROVED BY THE ENGINEER AT THE TIME OF CONSTRUCTION.
THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR THE PURPOSE DESCRIBED ABOVE.

ITEM 202	CURB REMOVED	2295 L.F. (PART 5)
ITEM 609	CURB, TYPE 6,	2295 L.F. (PART 5)
ITEM 659	SEEDING AND MULCHING	510 SQ. YD.(PART 5)

GENERAL NOTES

DEE-1

07-15-94 (MAINT - C) M208GN8

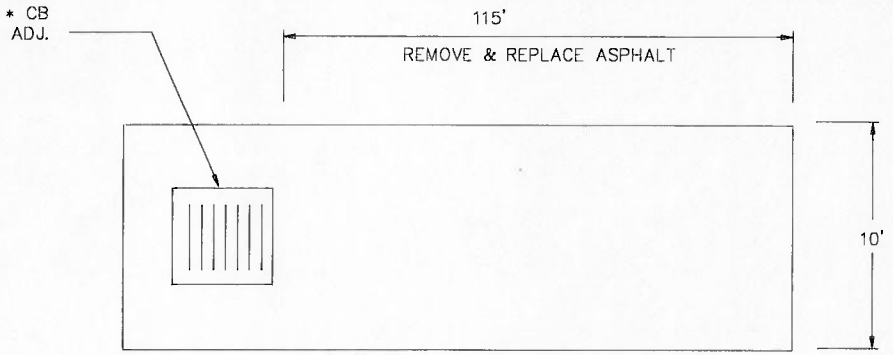
PLAN NO.

MUS-208-0.44
MUS-666-1.79
MUS-16-3.84
MUSKINGUM RIVER
LOCK #10

GENERAL NOTES

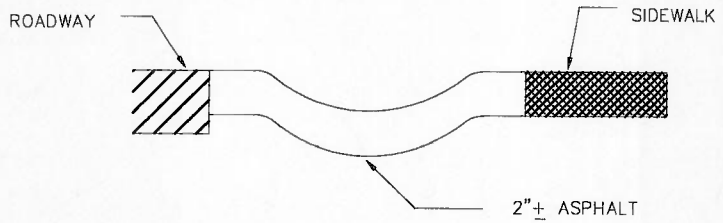
PART 1

* WHEN ADJUSTING CATCH BASIN REPLACE GRATE AT A SLIGHT ANGLE TO ACHIEVE MAXIMUM DRAINAGE FROM DITCH.



MUS-208

SLM 0.70 – RIGHT SIDE
DRAINAGE DITCH
DETAIL



DITCH
DETAIL

NOTE:

WHEN REPLACING ASPHALT IN DITCH LEADING TO CATCH BASIN, THE INTENT IS TO ACHIEVE A SMOOTH PROFILE LEADING INTO THE EXISTING CATCH BASIN. REMOVAL OF EXISTING ASPHALT SHALL BE INCLUDED IN UNIT PRICE BID FOR ITEM 448 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, AS PER PLAN. PROPOSED ASPHALT SHALL BE COMPACTED TO THE SATISFACTION OF THE ENGINEER.

448 ASPHALT CONCRETE,SURFACE COURSE,TYPE 1,AS PER PLAN PART 1, 2 CU.YD.

GENERAL NOTES

6
32

DEE-1

07-15-94 (MAINT - C) M208GN

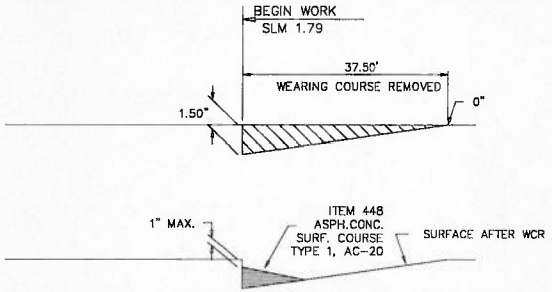
MUS-208-0.44
MUS-666-1.79
MUS-16-3.84
MUSKINGUM RIVER
LOCK #10

PLAN NO.

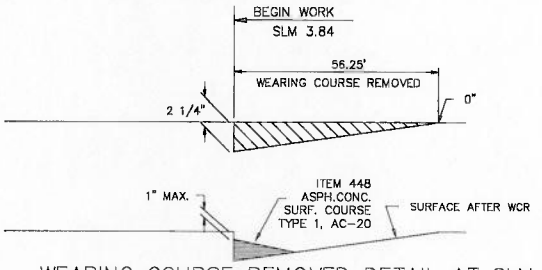
ITEM 202 WEARING COURSE REMOVED

A BUTT JOINT WILL BE REQUIRED AT THE BEGINNING OF PART 4 MUS-666-1.79 AND PART 5 MUS-16-3.84 AND ENDING PART 4 MUS-666-14.32 AND PART 5 MUS-16-5.08 OF THIS PROJECT, DUE TO THE AMOUNT OF PROPOSED ASPHALT. EXTRA QUANTITIES OF ITEM 407 TACK COAT AND ITEM 448 ASPHALT CONCRETE, SURFACE COURSE, TYPE 1, AC-20 HAVE BEEN INCLUDED TO REDUCE THE DEPTH OF THE WEARING COURSE REMOVED DROP OFF (SEE DETAIL).
THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR THE PURPOSE DESCRIBED ABOVE.

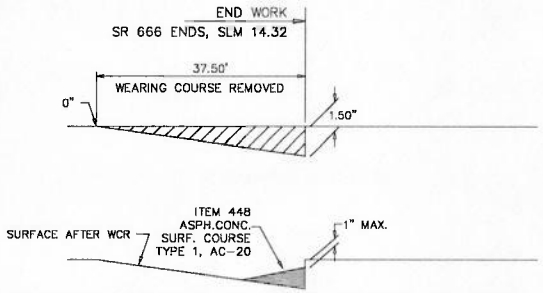
PART	4	5
ITEM 202 WEARING COURSE REMOVED	150	375
ITEM 407 TACK COAT	4	9
ITEM 448 ASPHALT CONCRETE, SURFACE COURSE, TYPE 1, AC-20	4	13



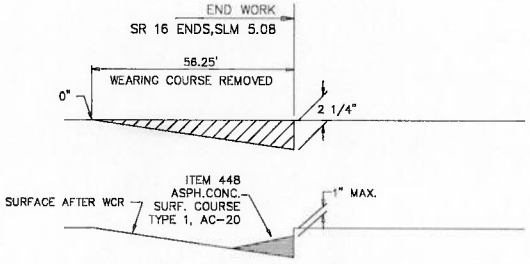
WEARING COURSE REMOVED DETAIL AT SLM
PART 4 MUS-666-1.79



WEARING COURSE REMOVED DETAIL AT SLM
PART 5 MUS-16-3.84



WEARING COURSE REMOVED DETAIL AT SLM
PART 4 MUS-666-14.32



WEARING COURSE REMOVED DETAIL AT SLM
PART 5 MUS-16-5.08

GENERAL NOTES

MUS-208-0.44
MUS-666-1.79
MUS-16-3.84
MUSKINGUM RIVER
LOCK #10

PLAN NO.

ITEM 253 PAVEMENT REPAIR, AS PER PLAN

EXISTING CONCRETE DRIVE SHALL BE SAW CUT AS SHOWN IN DETAIL ON SHEET 10, APPROXIMATE DEPTH IS 9"±. THE VERTICAL FACE OF THE SAW CUT CONCRETE SHALL BE COATED WITH A BITUMINOUS MATERIAL AS PER 401.12 IN THE 1993 CMS MANUAL. THEN THE OPEN AREA SHALL BE FILLED WITH ITEM 448 ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2, AC-20 PLACED AND COMPACTED TO THE SATISFACTION OF THE ENGINEER (LIFTS SHALL NOT EXCEED 3").
THE HEIGHT OF FILL MATERIAL SHALL BE 1.25" LOWER THAN THE REMAINING CONCRETE. THE ENTIRE DRIVE WILL THEN BE PAVED WITH 1.5" OF ITEM 448 ASPHALT CONCRETE, SURFACE COURSE, TYPE 1, AC-20. THE REMOVAL OF EXISTNG CONCRETE, SAWING, ITEM 407 TACK COAT, ITEM 448 ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2, AC-20, ANY ADDITIONAL EXCAVATION, ALL MATERIALS, LABOR, EQUIPMENT, TOOLS AND INCIDENTALS NECESSARY TO THE COMPLETE THIS REPAIR SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 253 PAVEMENT REPAIR, AS PER PLAN. THE FOLLOWING QUANTITY HAS BEEN CARRIED TO SHEET 31 FOR THE PURPOSE DESCRIBED ABOVE.

ITEM 253, PAVEMENT REPAIR, AS PER PLAN
PART 6 , 3 CU.YD.

ITEM 254 - PATCHING PLANED SURFACE

A QUANTITY OF SURFACE PATCHING HAS BEEN ADDED TO THE PLAN TO REPLACE UNSOUND PAVEMENT RESULTING FROM PLANING. AREAS TO RECEIVE THIS TREATMENT SHALL BE DETERMINED BY THE ENGINEER.
THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR THE PURPOSE DESCRIBED ABOVE.

ITEM 254 PATCHING PLANED SURFACE 100 SQ.YD. (PART 1) 250 SQ.YD. (PART 3)

ITEM SPECIAL - REMOVE AND REPLACE CONCRETE PARKING BLOCKS

ALL CONCRETE PARKING BLOCKS LOCATED AT LOCK NO. 10 (PART 6) SHALL BE REMOVED PRIOR TO THE RESURFACING OPERATION AND REPLACED AFTER THE ASPHALT HAS BEEN CURED TO THE SATISFACTION OF THE ENGINEER. PARKING BLOCKS SHALL BE REMOVED IMMEDIATELY PRIOR TO THE OPERATION AND REPLACED IMMEDIATELY AFTER THE ASPHALT HAS CURED. THE AMOUNT OF TIME THAT PARKING BLOCKS ARE DISPLACED SHALL BE HELD TO AN ABSOLUTE MINIMUM. THE STEEL PINS THAT HOLD THE PARKING BLOCKS IN PLACE SHALL BE REMOVED AND ANY PINS THAT ARE DAMAGED SHALL BE REPLACED AT NO ADDITIONAL COST TO THE STATE. EXTREME CARE SHALL BE TAKEN WHEN REMOVING AND REPLACING PARKING BLOCKS, IF ANY DAMAGE SHOULD OCCUR TO A PARKING BLOCK DURING THIS OPERATION EACH DAMAGED BLOCK SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ALL LABOR, EQUIPMENT AND ANY INCIDENTAL ITEMS NECESSARY TO COMPLETE THIS ITEM SHALL BE PAID FOR UNDER ITEM SPECIAL, REMOVE AND REPLACE CONCRETE PARKING BLOCKS.

ITEM 202 - BRIDGE RAILING REMOVED FOR RE-USE BR. NO. MUS-666-0985 (PART 4)

THIS ITEM SHALL CONSIST OF REMOVAL OF THE EXISTING RAIL AND TUBULAR BACKUP FOR REMOVAL OF THE ASPHALT DECK. AFTER THE DECK HAS BEEN WATERPROOFED WITH A MEMBRANE WATERPROOFING AND OVERLAYED WITH ASPHALT, THE TUBULAR BACKUP AND RAILING SHALL BE RE-ERECTED. THE BRIDGE RAIL SHALL BE COMPLETELY IN PLACE DURING HOURS WHEN WORK IS SUSPENDED. THE CONTRACTOR SHALL REMOVE ONLY MINIMUM SECTIONS OF RAIL AND TUBULAR BACKUP DURING WORK HOURS TO ALLOW FOR WATERPROOFING AND OVERLAYING THE DECK. ALL LABOR, TOOLS, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK SHALL BE INCLUDED IN ITEM 202 BRIDGE RAILING REMOVED FOR RE-USE FOR PAYMENT.

SEE DETAIL
QUANTITIES ON PAGE 20

DEE-1
07-15-94 (MAINT - C) M208GN6

MUS-208-0.44
MUS-666-1.79
MUS-16-3.84
MUSKINGUM RIVER
LOCK #10

PLAN NO.

UTILITIES NOTIFICATION

COOPERATION WITH THE FOLLOWING UTILITY COMPANIES SHALL BE AS DESCRIBED IN SECTION 105.06 OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIALS SPECIFICATIONS.

VILLAGE OF FRAZEYSBURG
THE HONORABLE ROBERT DAVIS
7 W. SECOND STREET
FRAZEYSBURG, OH. 43822

(614) 828-2901

OHIO POWER COMPANY
215 N. FRONT STREET
COLUMBUS, OH. 43215

ATTN: STAN WILSON
(614) 464-7911

OHIO BELL TELEPHONE COMPANY
150 E. GAY STREET, RM. 6C
COLUMBUS, OH. 43215

ATTN: MARGIE O'SULLIVAN
(614) 223-8535

UNDERGROUND UTILITIES
TWO WORKING DAYS BEFORE YOU DIG Call 800-362-2764 (Toll Free) OHIO UTILITIES PROTECTION SERVICE NON-MEMBERS MUST BE CALLED DIRECTLY

CNG TRANSMISSION CORPORATION
445 W. MAIN STREET
P.O. BOX 2450
CLARKSBURG, W. VA. 26302-2450

ATTN: CINDY H. CURREY, MANAGER
PROJECT DEVELOPMENT & CONSTRUCTION
(304) 623-8000

UNITED TELEPHONE COMPANY
175 ASHLAND ROAD
MANSFIELD, OH. 44904

ATTN: MARY MARTIN
(419) 755-7138

COLUMBIA GAS TRANSMISSION CORP.
SUNBERRY WOODS OFFICE PARK
P.O. BOX 6164
4111 EXECUTIVE PARKWAY
WESTERVILLE, OH. 43081

ATTN: MARK BRODT
(614) 895-5033

GUERNSEY-MUSKINGUM ELECTRIC COMPANY
17 S. LIBERTY STREET
NEW CONCORD, OH. 43762

ATTN: CURT JONES, ENGR.
(614) 826-7661

COLUMBIA GAS OF OHIO, INC.
204 HIGHLAND AVENUE
P.O. BOX 250
CAMBRIDGE, OH. 43725

ATTN: MARK HILL, SUPERVISORY ENGR.
(614) 432-8226

KELT OIL & GAS, INCORPORATED
5748 GLENN HIGHWAY
P.O. BOX 189
CAMBRIDGE, OH. 43725

ATTN: GREG GERLACH, PRODUCTION MGR.
(614) 432-7359

MUSKINGUM RIVER PARKWAY
P.O. BOX 2806
ZANESVILLE, OHIO 43701

ATTN: PAT ARCHER
(614) 452-3820

GENERAL NOTES

9/32

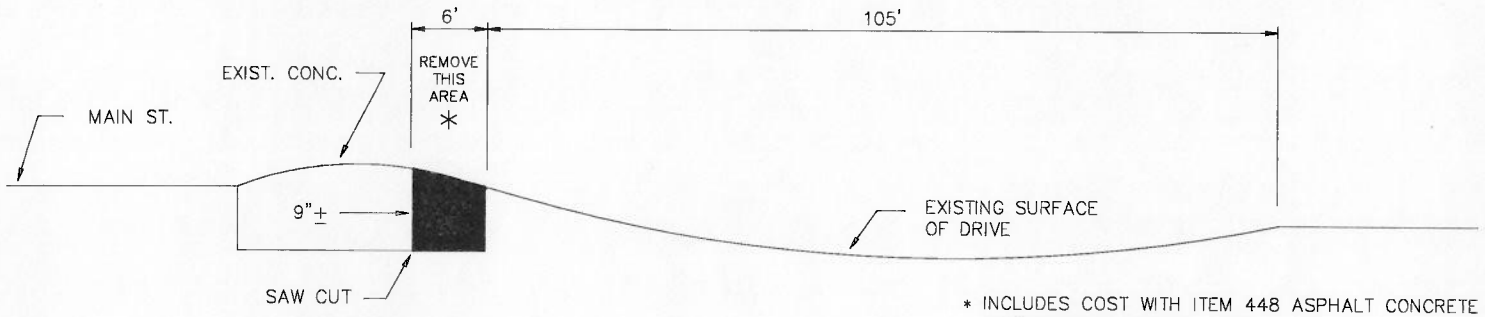
DEE-1

07-15-94 (MAINT - C) M208GN2

MUS-208-0.44
MUS-666-1.79
MUS-16-3.84
MUSKINGUM RIVER
LOCK #10

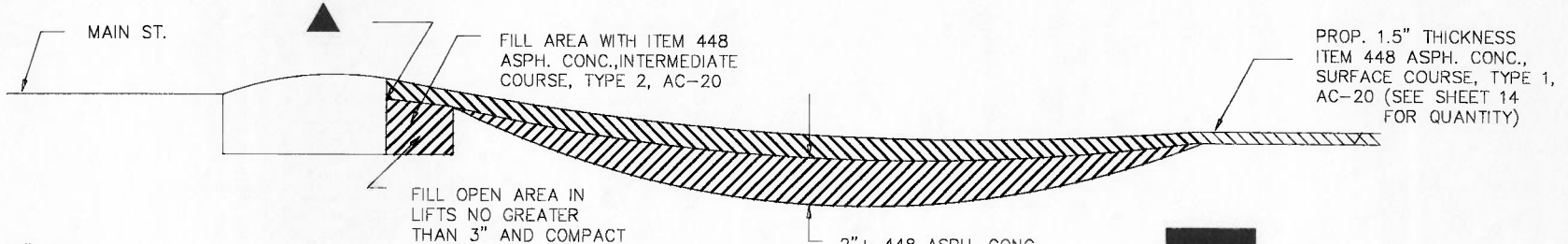
PLAN NO.

REMOVAL DETAIL



* INCLUDES COST WITH ITEM 448 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, AC-20

PROPOSED REPAIR AND ASPHALT DETAIL



▲ LEAVE 1.25" DROP- THE ENTIRE DRIVEWAY WILL RECIEVE A 1.5" THICKNESS OF ITEM 448 ASPH. CONC., SURFACE COURSE, TYPE 1, AC-20

REMOVAL AREA

ITEM 448 ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2, AC-20

ITEM 448 ASPHALT CONCRETE, SURFACE COURSE, TYPE 1, AC-20

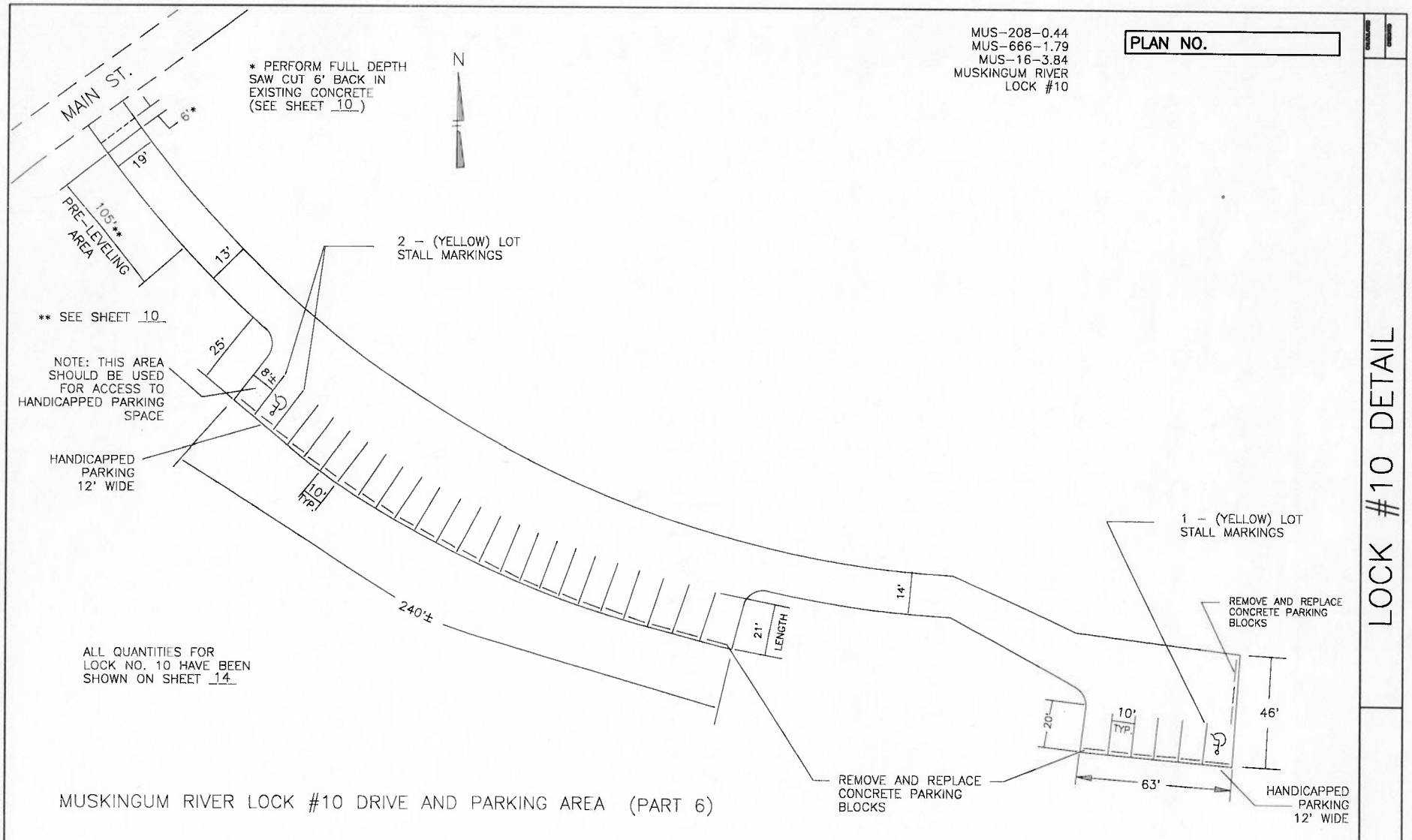
NOTE:
THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO SHEET 14. THIS SHALL BE USED TO RAISE THE HEIGHT OF THE EXISTING DRIVEWAY AS IS SHOWN IN THE DETAIL ABOVE.

ITEM 448 ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2, AC-20 10 CU.YD.(PART 6)

PAVEMENT REPAIR DETAIL

DEE-1

07-15-94 (MAINT - C) M208DET


MUS-208-0.44
MUS-666-1.79
MUS-16-3.84
MUSKINGUM RIVER
LOCK #10
PLAN NO.
LOCK #10 DETAIL
MAIN ST.
6'*
* PERFORM FULL DEPTH SAW CUT 6' BACK IN EXISTING CONCRETE (SEE SHEET 10)
N
19'
105'**
PRE-LEVELING AREA
13'
2 - (YELLOW) LOT STALL MARKINGS
** SEE SHEET 10
25'
±8'
NOTE: THIS AREA SHOULD BE USED FOR ACCESS TO HANDICAPPED PARKING SPACE
HANDICAPPED PARKING 12' WIDE
10' TYP.
240'±
14'
21' LENGTH
1 - (YELLOW) LOT STALL MARKINGS
REMOVE AND REPLACE CONCRETE PARKING BLOCKS
46'
20'
10' TYP.
63'
REMOVE AND REPLACE CONCRETE PARKING BLOCKS
HANDICAPPED PARKING 12' WIDE
ALL QUANTITIES FOR LOCK NO. 10 HAVE BEEN SHOWN ON SHEET 14
MUSKINGUM RIVER LOCK #10 DRIVE AND PARKING AREA (PART 6)
07-15-94 (MAINT - C) MUS208
DEE-1
11
32

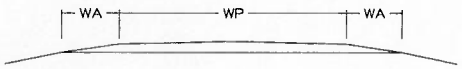
DEPARTMENT OF TRANSPORTATION
M&R707 REV. 9-1-83

ASPHALT CONCRETE

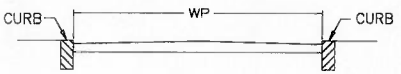
MUS-208-0.44
MUS-666-1.79
MUS-16-3.84
MUSKINGUM RIVER
LOCK #10

PLAN NO.

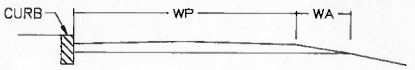
TYPICAL 1

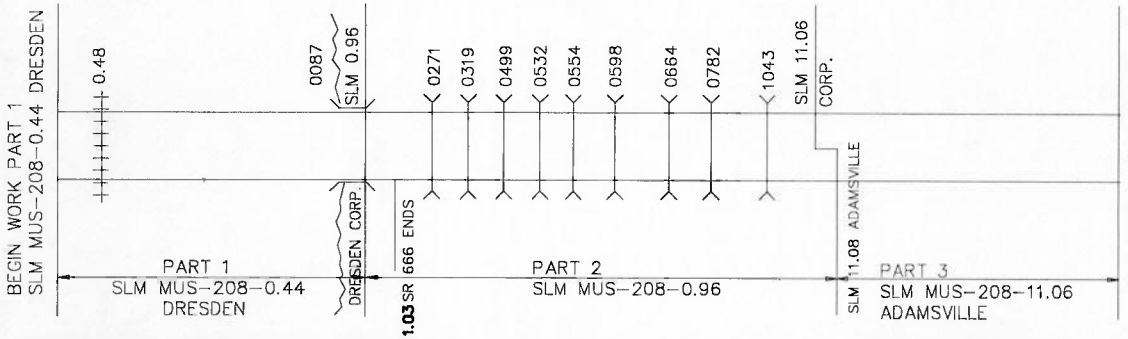


TYPICAL 2



TYPICAL 3





BRIDGE DEDUCTIONS

PART 1

MUS-208-0087 818.53'X 28' SKIP

PART 2

MUS-208-0271 22.33'X 31'
MUS-208-0319 14.83'X 33.33' SKIP
MUS-208-0499 12'X 24.67'
MUS-208-0532 16'X 28' SKIP
MUS-208-0554 16'X 28' SKIP

PART 2 (CONT'D)

MUS-208-0598 14.75'X 23.5'
MUS-208-0664 39'X 23'
MUS-208-0782 26.33'X 30' SKIP
MUS-208-1043 49'X 29'

(1) BRIDGE LENGTH X PAVEMENT WIDTH — **PAVEMENT DATA** — *** END PLANING 0.56 (HIGH ST.)**

PART	ROUTE	LOG POINT TO LOG POINT	LENGTH MILES	LENGTH LIN. FT.	WP FEET	TYPICAL	EXISTING TYPE PAVEMENT	PAVEMENT AREA SQ. YDS.	PROPOSED PAVEMENT 407 TACK COAT @ 0.05 gal./s.y. GALS.	407 COVER AGGR. lbs./s.y. TONS	ASPHALT CONCRETE ITEM 448 THICK INCHES AVG.	ITEM 448 INTERMEDIATE COURSE, TYPE 1, AC-20 CU.YDS.	ITEM 448 THICK INCHES	ITEM 448 SURFACE COURSE, TYPE 1, AC-20 CU.YDS.	ITEM SPECIAL THICK INCHES	ITEM SPECIAL ASPHALT CONCRETE WITH SBS POLYMER, INTERMEDIATE COURSE, TYPE 1 CU.YDS.	ITEM SPECIAL THICK INCHES	ITEM SPECIAL ASPHALT CONCRETE WITH SBS POLYMER, SURFACE COURSE, TYPE 1 CU.YDS.	202 RAISED PAVEMENT MARKERS REMOVED FOR STORAGE, AS PER PLAN EACH	614 TEMPORARY CENTER LINE, CLASS II MILE	254 PAVEMENT PLANING BITUMINOUS SQ.YD.	408 BITUMINOUS PRIME COAT @ 0.40 GAL./S.Y. GAL.
1	SR 208	0.44 – 0.48	0.04	211	30	2	404	703	35				1.5	29						0.08	703	
		0.48 – 0.51	0.03	158	22	3	404	386	19				1.5	16						0.06	386	
		0.51 – 0.96	0.45	2376	22	1	404	5808	290				1.5	242						0.90	645*	
	EXTRA AREAS FROM SHEET 15							1486	44					62							42	254
	EXTRA TACK COAT FOR LONGITUDINAL JOINT								10													
	DEDUCT FOR BRIDGE							(2001)	(100)					(83)								
1	TOTALS		0.52	2745				6382	298					266					100	1.04	1776	254
2	SR 208	0.96 – 11.06	10.10	53328	18	1	404	106656	5333		0.50	1481	1.00	2963						20.20		
		11.06 – 11.08	0.02	106	9/9	1	404	212	11		0.50	3	1.00	6						0.04		
	EXTRA AREAS FROM SHEET 15							2821	54			38		79								710
	EXTRA TACK COAT FOR LONGITUDINAL JOINT								155													
	DEDUCT FOR BRIDGE							(422)	(21)			(6)		(12)								
2	TOTALS		10.12	53434				109267	5532			1516		3036					1071	20.24		710
3	SR 208	11.08 – 11.22	0.14	739	18	1	404	1478	74		0.50	21	1.00	41						0.28		
	EXTRA AREAS FROM SHEET 15							876	44			13		25								
	EXTRA TACK COAT FOR LONGITUDINAL JOINT								2													
3	TOTALS		0.14	739				2354	120			34		66						0.28		

DEE-1

07-15-94 (MAINT - C) M208AC1

ODOT 1920

ASPHALT CONCRETE

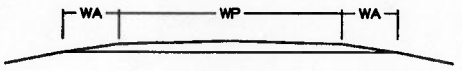
DEPARTMENT OF TRANSPORTATION
M&R707 REV. 9-1-83

ASPHALT CONCRETE

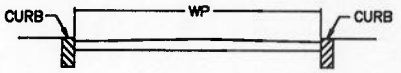
MUS-208-0.44
MUS-666-1.79
MUS-16-3.84
MUSKINGUM RIVER
LOCK #10

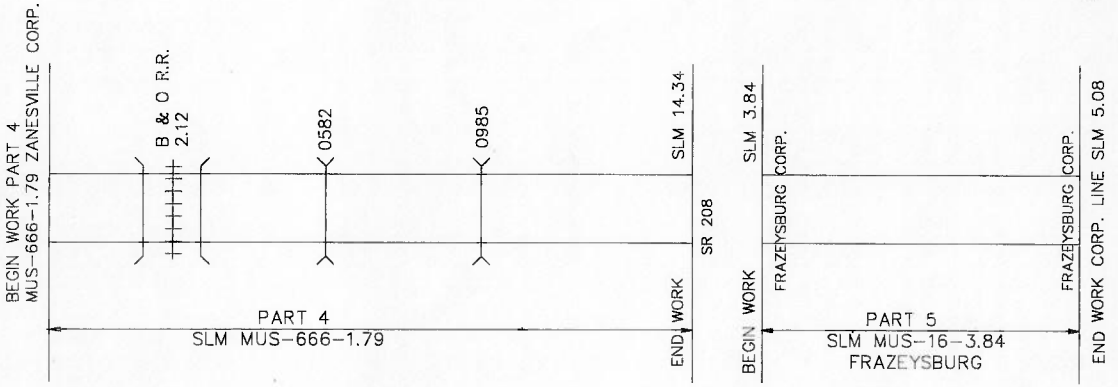
PLAN NO.

TYPICAL 1



TYPICAL 2





BRIDGE DEDUCTIONS

PART 4

MUS-666-0582 31'X 24' SKIP
MUS-666-0985 165.07'X 37.33'

(1) BRIDGE LENGTH X PAVEMENT WIDTH — **PAVEMENT DATA**

PART	ROUTE	LOG POINT TO LOG POINT	LENGTH MILES	LENGTH LIN. FT.	WP FEET	TYPICAL	EXISTING TYPE PAVEMENT	PAVEMENT AREA SQ. YDS.	PROPOSED PAVEMENT 407 TACK COAT @ 0.05 gal./s.y. GALS.	407 COVER AGGR. lbs./s.y. TONS	ASPHALT CONCRETE ITEM 448 THICK INCHES AVG.	ITEM 448 INTERMEDIATE COURSE, TYPE 1, AC-20 CU.YDS.	ITEM 448 THICK INCHES	ITEM 448 SURFACE COURSE, TYPE 1, AC-20 CU.YDS.	ITEM 448 THICK INCHES	ITEM 448 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1 CU.YDS.	ITEM SPECIAL THICK INCHES	ITEM SPECIAL ASPHALT CONCRETE WITH SBS POLYMER, SURFACE COURSE, TYPE 1 CU.YDS.	202 RAISED PAVEMENT MARKERS REMOVED FOR STORAGE, AS PER PLAN EACH	614 TEMPORARY CENTER LINE, CLASS II MILE	254 PAVEMENT PLANING BITUMINOUS SQ.YD.	408 BITUMINOUS PRIME COAT @ 0.40 GAL/SQ. YD
4	SR 666	1.79 – 14.32	12.53	66158	18	1	404	132316	6616		0.50	1838	1.00	3675					1499	25.06		
	EXTRA AREA FROM SHEET 16							2352	117			33		66								195
	EXTRA TACK COAT FOR LONGITUDINAL JOINT								191													
	DEDUCT FOR BRIDGES							(392)	(20)			(5)		(11)								
4	TOTALS		12.53	66158				134276	6904			1866		3730					1499	25.06		195
5	SR 16	3.84 – 4.26	0.42	2218	24	1	404	5915	296						1.0	164	1.25	205		0.84		
		4.26 – 4.53	0.27	1426	28	2	404	4436	222						1.0	123	1.25	154		0.54	4436	
		4.53 – 5.08	0.55	2904	24	1	404	7744	387						1.0	215	1.25	269		1.10		
	EXTRA AREA FROM SHEET 16							1495	76							44		53			613	
	EXTRA TACK COAT FOR LONGITUDINAL JOINT								19													
5	TOTALS		1.24	6548				19590	1000							546		681		2.48	5049	

ASPHALT CONCRETE

DEE-1

07-15-94 (MAINT - C) M208AC2

ODOT 1920

13/32

PAVEMENT DATA SHEET

MUS-208-0.44
MUS-666-1.79
MUS-16-3.84
MUSKINGUM RIVER
LOCK #10

PLAN NO.

* SEE SHEET 11

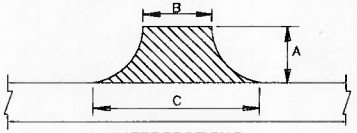
PART	ROAD	FACILITY	AREA			TACK 407		ASPHALT CONCRETE 448		ASPHALT CONCRETE 448		SPECIAL REMOVE AND REPLACE CONCRETE PARKING BLOCK	253 PAVEMENT REPAIR, AS PER PLAN	644 PARKING LOT STALL MARKING (WHITE)	644 PARKING LOT STALL MARKING (YELLOW)	644 HANDICAPPED SYMBOL MARKING				
			LENGTH IN FEET	WIDTH IN FEET	AREA IN SQ. YDS.	Bit. Mati. .... @ 0.05 gal./s.y. GAL.	Cover Aggr. ..... @ ..... lbs./s.y. TONS	MIN. THICK INCHES	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, AC-20 CU.YD.	AVG. THICK INCHES	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, AC-20 CU.YD.	EACH	CU.YD.	LIN.FT.	LIN.FT.	EACH				
6		SITE 1	700	VARIES	2265	113		*	10	1.5	94	33	3	481	62	2				

DEE-1

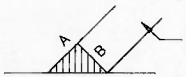
07-15-94 (MAINT - C) ODNR

PAVEMENT DATA SHEET

14/32



INTERSECTIONS



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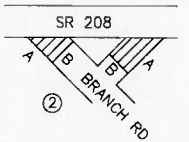
EXTRA AREAS



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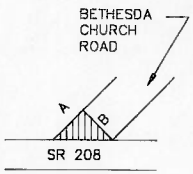
MUS-208-0.44
MUS-666-1.79
MUS-16-3.84
MUSKINGUM RIVER
LOCK #10

PLAN NO.

PART	ROUTE	LOG POINT TO LOG POINT	SIDE	DESCRIPTION	INTERSECTIONS A IN FEET	INTERSECTIONS B IN FEET	INTERSECTIONS C IN FEET	AREA IN SQ. YD.	PROPOSED ITEMS 407 TACK COAT @ 0.05 gal./s.y. GAL.	407 COVER AGGR. @ 1 lbs./s.y. TON	ASPHALT CONCRETE THICK INCHES	ASPHALT CONCRETE CU. YD. 448 INTERMEDIATE COURSE, TYPE 1, AC-20	ASPHALT CONCRETE CU. YD. 448 SURFACE COURSE, TYPE 1, AC-20	ASPHALT CONCRETE THICK INCHES	EXISTING SURFACE	408 BITUMINOUS PRIME COAT @ 0.40 gal./s.y. GAL.	254 PAVEMENT PLANING BITUMINOUS SQ.YD.
1	MUS-208	DRESDEN															
			LT	ALLEY	21	12	24	42	2				2	1.5	ASPH.		42
			LT	HIGH ST.	29	21	60	131	7				5	1.5	ASPH.		
		SEE SHEET 29	RT	EXTRA AREA	65	10		72	4				3	1.5	ASPH.		
		SEE SHEET 29	RT	EXTRA AREA	475	12		634					26	1.5	GRAVEL	254	
			LT	ENTRANCE TO SCHOOL	34	24	84	204	10				9	1.5	ASPH.		
			LT	ENTRANCE TO SCHOOL	53	24	88	330	17				14	1.5	ASPH.		
			RT	RIVER RD.	22	20	40	73	4				3	1.5	ASPH.		
1		TOTALS		CARRIED TO SHEET				1486	44				62			254	42
2	MUS-208	RURAL	RT	SR 666	64	22	34	199	10		0.50	3	6	1.00	ASPH.		
		①	LT	STONE CHURCH ROAD	74	18		74	4		0.50	1	2	1.00	ASPH.		
			RT	NO NAME ST.	35	22	105	247			0.50	3	7	1.00	GRAVEL	99	
			LT	McLAUGHLIN HILL RD.	32	27	89	206			0.50	3	6	1.00	GRAVEL	82	
		②	RT	BRANCH RD.	88	16		78	4		0.50	1	2	1.00	ASPH.		
			RT	BRANCH RD.	28	18	44	96	5		0.50	1	3	1.00	ASPH.		
			RT	MADISON HALL RD.	44	32	147	437			0.50	6	12	1.00	GRAVEL	175	
			LT	RINE RD.	40	26	79	233			0.50	3	6	1.00	GRAVEL	93	
			RT	STEELHILL RD.	45	30	83	283			0.50	4	8	1.00	GRAVEL	113	
			LT	KEYES RD.	58	30	85	371			0.50	5	10	1.00	GRAVEL	148	
		③	LT	BETHESDA CHURCH RD.	55	30		92	5		0.50	1	3	1.00	ASPH.		
			RT	PROSPECT CHURCH RD.	35	14	53	130	7		0.50	2	4	1.00	ASPH.		
		④	RT	PROSPECT CHURCH RD.	75	19		79	4		0.50	1	2	1.00	ASPH.		
		⑤	LT	EDGEMOOR RD.	70	18		70	4		0.50	1	2	1.00	ASPH.		
			RT	SUMMERS	34	16	68	159	8		0.50	2	4	1.00	ASPH.		
			LT	SYMMES CREEK RD.	60	20		67	3		0.50	1	2	1.00	ASPH		
2		TOTALS						2821	54			38	79			710	
3	MUS 208	ADAMSVILLE	LT	MADISON ST.	23	12	26	49	2		0.50	1	1	1.00	ASPH		
			RT	MILLER ST.	26	12	28	58	3		0.50	1	2	1.00	ASPH		
		SEE SHEET 29	LT	EXTRA AREA	250	10		278	14		0.50	4	8	1.00	ASPH		
			LT	DRESDEN ST.	34	16	56	136	7		0.50	2	4	1.00	ASPH		
			RT	MOLLIES ROCK RD.	35	18	56	144	7		0.50	2	4	1.00	ASPH		
		SEE SHEET 29	RT	EXTRA AREA	158	12		211	11		0.50	3	6	1.00	ASPH		
3		TOTALS						876	44			13	25				



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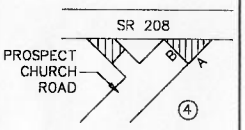
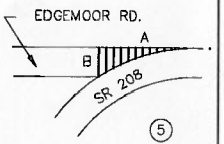


④



⑤

EXTRA AREAS

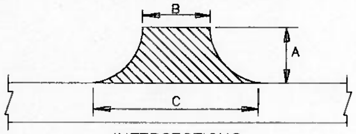
DEE-1

07-15-94 (MAINT - C) M208EA1

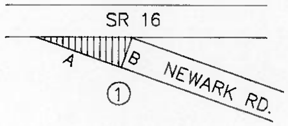
MUS-208-0.44
MUS-666-1.79
MUS-16-3.84
MUSKINGUM RIVER
LOCK #10

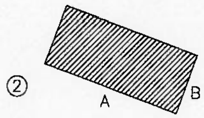
PLAN NO.

EXTRA AREAS



INTERSECTIONS





PART	ROUTE	LOG POINT TO LOG POINT	SIDE	DESCRIPTION	INTERSECTIONS A IN FEET	INTERSECTIONS B IN FEET	INTERSECTIONS C IN FEET	AREA IN SQ. YD.	PROPOSED ITEMS 407 TACK COAT @ 0.05 gal./s.y. GAL.	407 COVER AGGR. @ 1 lbs./s.y. TON	ASPHALT CONCRETE THICK INCHES	CU. YD. 448 INTERMEDIATE COURSE, TYPE 1, AC-20	CU. YD. 448 SURFACE COURSE, TYPE 1, AC-20	THICK INCHES	EXISTING SURFACE	408 BITUMINOUS PRIME COAT @ 0.40 gal./s.y. GAL.	254 PAVEMENT PLANING BITUMINOUS SQ.YD.	ITEM SPECIAL THICK INCHES	ITEM SPECIAL ASPHALT CONCRETE WITH SBS POLYMER, INTERMEDIATE COURSE, TYPE 1 CU.YD.	ITEM SPECIAL THICK INCHES	ITEM SPECIAL ASPHALT CONCRETE WITH SBS POLYMER, SURFACE COURSE, TYPE 1 CU.YD.
4	MUS 666	RURAL	RT	NO NAME	17	24	42	62	3		0.50	1	2	1.00	ASPH.						
			LT	NO NAME	33	18	55	134	7		0.50	2	4	1.00	ASPH.						
			RT	NO NAME	30	18	50	113	6		0.50	2	3	1.00	ASPH.						
			LT	RIVERVIEW MANOR	25	18	40	81	4		0.50	1	2	1.00	ASPH.						
			RT	CULBERTSON RD.	30	18	68	143	7		0.50	2	4	1.00	ASPH.						
			RT	GILBERT RD.	35	70	130	389	19		0.50	5	11	1.00	ASPH.						
			LT	NO NAME	55	21	105	385	19		0.50	5	11	1.00	ASPH.						
			RT	MEMORY RD.	27	35	84	179	9		0.50	2	5	1.00	ASPH.						
			RT	PAINTERS HOLLOW	37	20	80	206	10		0.50	3	6	1.00	GRAVEL	82					
			RT	OLD FERRY RD.	35	29	105	260	13		0.50	4	7	1.00	ASPH.						
			RT	MOLLIES ROCK RD.	25	25	60	118	6		0.50	2	3	1.00	ASPH.						
			RT	NO NAME	35	30	115	282	14		0.50	4	8	1.00	GRAVEL	113					
4		TOTALS						2352	117			33	66			195					
5	MUS 16	FRAZEYSBURG	LT	MARKIN DR.	30	20	60	133	7						ASPH.			1.00	4	1.25	5
			RT	NORA DR.	25	17	55	100	5						ASPH.			1.00	3	1.25	4
			LT	EXTRA AREA ②	150	6		100	5						ASPH.			1.00	3	1.25	4
			LT	WEST CARLISLE	30	30	90	200	10						ASPH.			1.00	6	1.25	7
			RT	NEWARK RD. ①	97	32		172	9						ASPH.			1.00	5	1.25	6
			LT	MOUND ST.	17	22	53	71	4						ASPH.			1.00	2	1.25	3
			RT	MOUND ST.	20	33	62	106	5						ASPH.			1.00	3	1.25	4
			LT	ALLEY	22	12	18	37	2						ASPH.		37	1.00	1	1.25	1
			RT	ALLEY	19	10	23	35	2						ASPH.		35	1.00	1	1.25	1
			LT	BASIN ST.	20	21	35	62	3						ASPH.		62	1.00	2	1.25	2
			RT	BASIN ST.	18	26	35	61	3						ASPH.		61	1.00	2	1.25	2
			LT	ALLEY	17	16	23	37	2						ASPH.		37	1.00	1	1.25	1
			RT	ALLEY	19	14	23	39	2						ASPH.		39	1.00	1	1.25	1
			LT	STATE ST.	19	30	41	75	4						ASPH.		75	1.00	2	1.25	3
			RT	STATE ST.	15	30	47	64	3						ASPH.		64	1.00	2	1.25	2
			LT	JACKSON ST.	20	23	64	97	5						ASPH.		97	1.00	3	1.25	3
			LT	5TH ST.	25	20	56	106	5						ASPH.		106	1.00	3	1.25	4
5		TOTALS						1495	76								613		44		53

EXTRA AREAS

DEPARTMENT OF TRANSPORTATION
M & R 684 REV.9-1-79

PAVED SHOULDERS

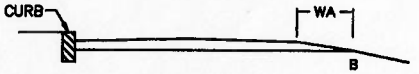
MUS-208-0.44
MUS-666-1.79
MUS-16-3.84
MUSKINGUM RIVER
LOCK #10

PLAN NO.

TYPICAL 1

TYPICAL 2

TYPICAL 3



TYPICAL 4

PAVED SHOULDER DATA

PART	ROUTE	LOG POINT TO LOG POINT	LENGTH MILES	LENGTH LIN.FT.	TYPICAL	PROPOSED WIDTH (FT.) A	B	C	D	SHOULDER AREA SQ.YDS.	ITEM 448 THICK INCHES	ITEM 448 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, CU.YD.	ITEM SPECIAL THICK INCHES	ITEM SPECIAL ASPHALT CONCRETE SURFACE COURSE TYPE 1, SBS POLYMER CU.YD.	301 BITUMINOUS AGGREGATE BASE AVG. THICK INCHES	301 BITUMINOUS AGGREGATE BASE CU.YDS.	407 TACK COAT @0.05 gal./s.y. GALS.			617 COMPACTED AGGREGATE TYPE A 2' X 2.75" AVER. THICKNESS TO BACK UP PAVED BERM CU.YDS.	617 SHOULDER PREPARATION SQ.YDS.	617 WATER M GALS.			*NOTES
5	SR 16	3.84–4.26	0.42	2218	1	3	3			1479	1.00	41	1.25	51			74			75		1			
		4.53–5.08	0.55	2904	1	3	3			1936	1.00	54	1.25	67			97			99		1			
5	TOTALS		0.97	5122						3415		95		118			171			174		2			

DEE-1

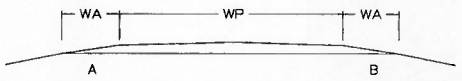
07-15-94 (MAINT - C) M208PS

SHOULDER TREATMENT

MUS–208–0.44
MUS–666–1.79
MUS–16–3.84
MUSKINGUM RIVER
LOCK #10

PLAN NO.

TYPICAL 1



TYPICAL 2

TYPICAL 3

SHOULDER DATA

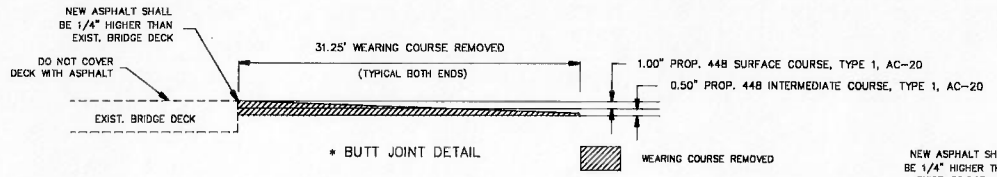
PART	ROUTE	LOG POINT TO LOG POINT	LENGTH		TYPICAL	EXISTING TYPE – WIDTH (FT.)								AREA SQ. YDS.			617							
						A		B		C		D					SHOULDER PREPARATION	COMPACTED AGGREGATE, TYPE A AVERAGE THICKNESS 2.00"	WATER					
			MILES	LIN. FT.		TYPE	WIDTH	TYPE	WIDTH	TYPE	WIDTH	TYPE	WIDTH				SQ.YD.	CU. YD.	M GAL.					
1	SR 208	0.48–0.51	0.03	158	2			617	2					35				2						
		0.51–0.96	0.45	2376	1	617	2	617	2					1056				59						
1	TOTALS		0.48	2534										1091				61	1					
2	SR 208	0.96–11.06	10.10	53328	1	617	2	617	2					23701				1317						
		11.06–11.08	.02	106	1	617	2	617	2					47				3						
2	TOTALS		10.12	53434										23748				1320	12					
3	SR 208	11.08–11.22	0.14	739	1	617	2	617	2					328				18						
4	SR 666	1.79–14.32	12.53	66158	1	617	2	617	2					29404				1634	15					

DEPARTMENT OF TRANSPORTATION
M&R 879 REV.9-1-79

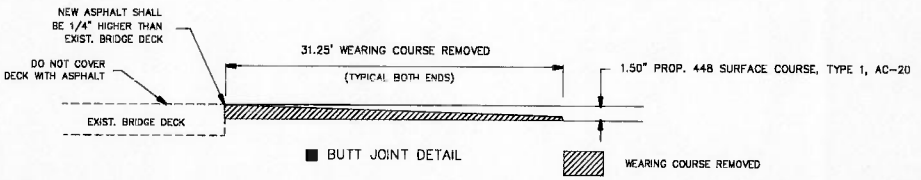
BRIDGE DECK TREATMENT

MUS-208-0.44
MUS-666-1.79
MUS-16-3.84
MUSKINGUM RIVER
LOCK #10

PLAN NO.



■ PART 1
MUS-208-0087



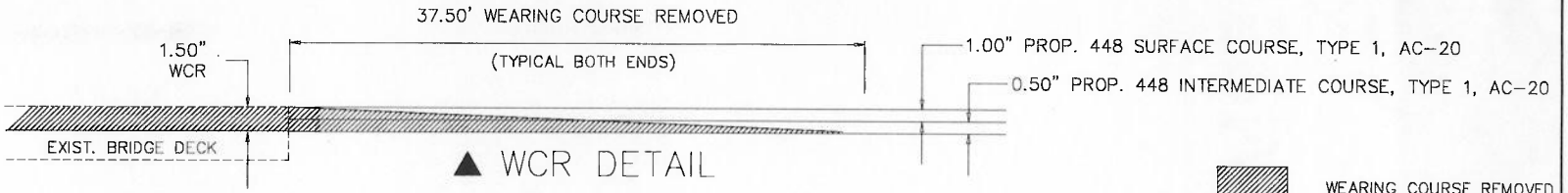
* PART 2
MUS-208-0319
MUS-208-0532
MUS-208-0554
MUS-208-0782

*** APPROACH ONLY** **▲ INCLUDES APPROACH** **BRIDGE DECK DATA**

PART	COUNTY, ROUTE, BRIDGE NO.	LENGTH (BRIDGE LIMITS) LIN.FT.	WIDTH LIN.FT.	BRIDGE DECK AREA SQ.YDS.	202 WEARING COURSE REMOVED DEPTH 1.50 " SQ.YDS.	BRIDGE DECK REPAIR ☐ SS-845 LATEX MODIFIED CONCRETE ☐ SS-850 DENSE CONCRETE			SPECIAL PATCHING		DECK WATERPROOFING	ASPHALT CONCRETE 448 INTERMEDIATE COURSE, TYPE 1, AC-20	THICK INS.	448 SURFACE COURSE, TYPE 1, AC-20	THICK INS.	407 TACK COAT @ 0.05 GAL./SQ.YD.	202 REMOVE FOR RE-USE BRIDGERAIL	517 RAILING RESET BRIDGE RAIL	614 TEMPORARY CENTER LINE CLASS II
						____" THICK OVERLAY SQ.YDS.	VARIABLE THICKNESS OVERLAY CU.YDS.	FULL-DEPTH REPAIR CU.YDS.	TYPE	SQ.YD.	MEMBRANE WATERPROOFING SHEET TYPE 3 SQ.YDS.	CU.YDS.		CU.YDS.		GAL.			MILE
1	MUS-208-0087	818.53	28	2547	153 ■	SKIP BRIDGE DECK													0.01
2	MUS-208-0271	22.33	31	77	227 ▲							1	0.50	2	1.00	4			0.02
	MUS-208-0319	14.83	33.33	55	125*	SKIP BRIDGE DECK													0.01
	MUS-208-0499	12	24.67	33.0	183 ▲							1	0.50	1	1.00	2			0.02
	MUS-208-0532	16	28	50	125*	SKIP BRIDGE DECK													0.01
	MUS-208-0554	16	28	50	125*	SKIP BRIDGE DECK													0.01
	MUS-208-0598	14.75	23.5	39	189 ▲							1	0.50	1	1.00	2			0.02
	MUS-208-0664	39	23	100	250 ▲							1	0.50	3	1.00	5			0.02
	MUS-208-0782	26.33	30	88	125*	SKIP BRIDGE DECK													0.01
	MUS-208-1043	49	29	158	308 ▲							2	0.50	4	1.00	8			0.02
2	TOTALS				1810							6		11		21			0.14

PART 2

MUS-208-0271
MUS-208-0499
MUS-208-0598
MUS-208-0664
MUS-208-1043



DEE-1

07-15-94 (MAINT - C) M208BDT

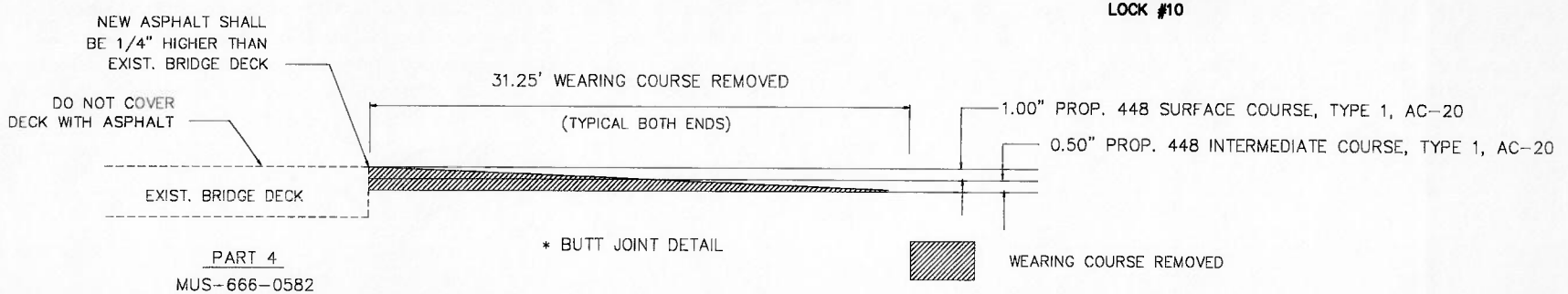
BRIDGE DECK TREATMENT

DEPARTMENT OF TRANSPORTATION
M&R 679 REV.9-1-79

BRIDGE DECK TREATMENT

MUS-208-0.44
MUS-666-1.79
MUS-16-3.84
MUSKINGUM RIVER
LOCK #10

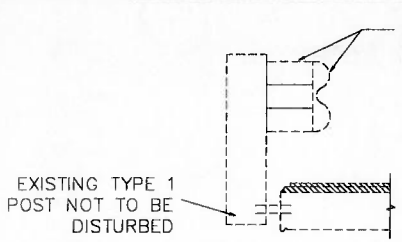
PLAN NO.



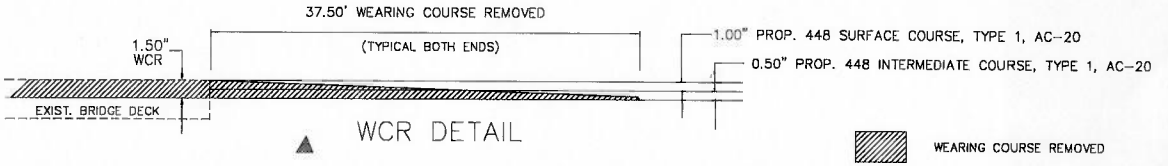
PART 4
MUS-666-0582

* APPROACHES ONLY ▲ INCLUDE APPROACH **BRIDGE DECK DATA**

PART	COUNTY, ROUTE, BRIDGE NO.	LENGTH (BRIDGE LIMITS) LIN.FT.	WIDTH LIN.FT.	BRIDGE DECK AREA SQ.YDS.	202 WEARING COURSE REMOVED DEPTH 1.50 " SQ.YDS.	BRIDGE DECK REPAIR ☐ SS-845 LATEX MODIFIED CONCRETE ☐ SS-850 DENSE CONCRETE			SPECIAL PATCHING CONCRETE BRIDGE DECK TYPE B SQ.YD	PATCHING SQ.YD.	DECK WATERPROOFING MEMBRANE WATERPROOFING SHEET TYPE 3 SQ.YDS.	202 WEARING COURSE REMOVED INCHES SQ.YDS.	ASPHALT CONCRETE 448 INTERMEDIATE COURSE, TYPE 2, AC-20 CU.YDS.	THICK INS.	448 SURFACE COURSE, TYPE 1, AC-20 CU.YDS.	THICK INS.	407 TACK COAT @ 0.05 GAL./SQ.YD. GAL.	202 REMOVE FOR RE-USE BRIDGERAIL LIN.FT.	517 RAILING RESET BRIDGE RAIL LIN.FT.	614 TEMPORARY CENTER LINE CLASS II MILE
						____" THICK OVERLAY SQ.YDS.	VARIABLE THICKNESS OVERLAY CU.YDS.	FULL-DEPTH REPAIR CU.YDS.												
4	MUS-666-0582	31	24	83	125*	SKIP BRIDGE DECK														
	MUS-666-0985	165.07	37.33	685	835 ▲	SEE DETAIL BELOW			50		685		10	0.50	19	1.00	34	350	350	0.01
																				0.05
4	TOTAL			768	960				50		685		10		19		34	350	350	0.06



PART 4
MUS-666-0985



07-15-94 (MAINT - C) M208BDT2

BRIDGE DECK TREATMENT

LOCATION SUB-SUMMARY

MUS-208-0.44
MUS-666-1.79
MUS-16-3.84
MUSKINGUM RIVER
LOCK #10

PLAN NO.

DETAIL	
1	MULTILANE UNDIVIDED
1	TYPICAL SPACING

DETAIL	
2	TAPERED ACCELERATION LANE
3	DECELERATION LANE
4	PARALLEL ACCELERATION LANE
5	MULTILANE DIVIDED/EXPRESSWAY

DETAIL	
6	STOP APPROACH
7	ONE LANE APPROACH W/LT. TURN LANE
8	THRU APPROACH
9	TWO LANE APPROACH W/LT. TURN LANE

DETAIL	
10	4 LANE DIVIDED TO 2 LANE TRANSITION
11	4 LANE UNDIVIDED TO 2 LANE TRANSITION
12	TWO LANE NARROW BRIDGE
13	TWO WAY LEFT TURN LANE
14	ONE LANE BRIDGE
15	HORIZONTAL CURVE

DETAIL	
16	HORIZONTAL CURVE ALT.
17	STOP APPROACH ALT.
GAP	CENTERLINE AT 80' TYP.

PART	LOCATION				DETAIL		RPM	PRISMATIC RETRO-REFLECTOR	INSTALLATION ONLY			PRISMATIC RETRO-REFLECTOR COLORS					REMARKS
	COUNTY	ROUTE	S.L.M. SECTION						RPM			ONE-WAY		TWO-WAY			
			FROM	TO								WHITE	YELLOW	WHITE/WHITE	YELLOW/YELLOW	WHITE/RED	
1	MUS	SR 208	0.58	0.79	17		72					39			33		APPROACH AT SR 666
	MUS	SR 208	0.79	0.96	16		28								28		PC 0.83 PT 0.87 L=211' DEG 20
1	TOTALS						100					39			61		
2	MUS	SR 208	0.96	1.30	GAP		22								22		
	MUS	SR 208	1.30	1.48	16		30								30		PC 1.39 PT 1.43 L=211' DEG 10
	MUS	SR 208	1.48	1.61	16		23								23		PC 1.48 PT 1.52 L=211' DEG 12
	MUS	SR 208	1.61	1.68	GAP		4								4		
	MUS	SR 208	1.68	1.88	16		31								31		PC 1.77 PT 1.80 L=158' DEG 19
	MUS	SR 208	1.88	1.95	16		13								13		PC 1.88 PT 1.91 L=158' DEG 9
	MUS	SR 208	1.95	2.08	16		27								27		PC 1.95 PT 2.02 L=370' DEG 11
	MUS	SR 208	2.08	2.21	16		23								23		PC 2.08 PT 2.12 L=211' DEG 19
	MUS	SR 208	2.21	2.41	16		35								35		PC 2.26 PT 2.32 L=317' DEG 13
	MUS	SR 208	2.41	2.67	GAP		17								17		
	MUS	SR 208	2.67	2.89	16		35								35		PC 2.76 PT 2.80 L=211' DEG 9
	MUS	SR 208	2.89	3.03	15		18								18		
	MUS	SR 208	3.03	3.15	16		20								20		PC 3.03 PT 3.06 L=158' DEG 14
	MUS	SR 208	3.15	3.36	16		36								36		PC 3.22 PT 3.28 L=317' DEG 9
	MUS	SR 208	3.36	3.51	16		28								28		PC 3.36 PT 3.42 L=317' DEG 17
	MUS	SR 208	3.51	4.09	GAP		38								38		
	MUS	SR 208	4.09	4.36	16		48								48		PC 4.18 PT 4.27 L=475' DEG 14
	MUS	SR 208	4.36	4.52	16		25								25		PC 4.40 PT 4.43 L=158' DEG 11
	MUS	SR 208	4.52	4.56	GAP		2								2		
	MUS	SR 208	4.56	4.81	16		43								43		PC 4.65 PT 4.72 L=370' DEG 11
	MUS	SR 208	4.81	7.56	GAP		181								181		
COUNTY AND SHEET SUB-TOTALS							699								699		

LOCATION SUB-SUMMARY

DEE-1

07-18-94 (MAINT - C) M208LSS

LOCATION SUB-SUMMARY

MUS-208-0.44
MUS-666-1.79
MUS-16-3.84
MUSKINGUM RIVER
LOCK #10

PLAN NO.

DETAIL	
1	MULTILANE UNDIVIDED
1	TYPICAL SPACING

DETAIL	
2	TAPERED ACCELERATION LANE
3	DECELERATION LANE
4	PARALLEL ACCELERATION LANE
5	MULTILANE DIVIDED/EXPRESSWAY

DETAIL	
6	STOP APPROACH
7	ONE LANE APPROACH W/LT. TURN LANE
8	THRU APPROACH
9	TWO LANE APPROACH W/LT. TURN LANE

DETAIL	
10	4 LANE DIVIDED TO 2 LANE TRANSITION
11	4 LANE UNDIVIDED TO 2 LANE TRANSITION
12	TWO LANE NARROW BRIDGE
13	TWO WAY LEFT TURN LANE
14	ONE LANE BRIDGE
15	HORIZONTAL CURVE

DETAIL	
16	HORIZONTAL CURVE ALT.
17	STOP APPROACH ALT.
GAP	CENTERLINE AT 80' TYP.

PART	LOCATION				DETAIL		RPM	PRISMATIC RETRO-REFLECTOR	INSTALLATION ONLY			PRISMATIC RETRO-REFLECTOR COLORS					REMARKS
	COUNTY	ROUTE	S.L.M. SECTION FROM	S.L.M. SECTION TO					RPM			ONE-WAY WHITE	ONE-WAY YELLOW	TWO-WAY WHITE/WHITE	TWO-WAY YELLOW/YELLOW	TWO-WAY WHITE/RED	
2	MUS	SR 208	7.56	7.80	15		31								31		
	MUS	SR 208	7.80	7.94	16		25								25		PC 7.80 PT 7.85 L=264' DEG 19
	MUS	SR 208	7.94	8.17	16		41								41		PC 8.00 PT 8.08 L=422' DEG 16
	MUS	SR 208	8.17	8.33	GAP		10								10		
	MUS	SR 208	8.33	8.61	15		36								36		
	MUS	SR 208	8.61	9.42	GAP		53								53		
	MUS	SR 208	9.42	9.66	16		40								40		PC 9.51 PT 9.57 L=317' DEG 14
	MUS	SR 208	9.66	10.16	15		66								66		
	MUS	SR 208	10.16	10.25	GAP		5								5		
	MUS	SR 208	10.25	10.46	16		38								38		PC 10.34 PT 10.42 L=422' DEG 10
	MUS	SR 208	10.46	10.59	16		23								23		PC 10.46 PT 10.50 L=211' DEG 15
2	MUS	SR 208	10.59	10.65	GAP		4								4		END ADAMSVILLE WEST CORP.
							372								372		
		PREVIOUS SHEET					699								699		
2		TOTALS					1071								1071		
COUNTY AND SHEET SUB-TOTALS																	

LOCATION SUB-SUMMARY

DEE-1

07-18-94 (MAINT - C) M208LSS2

LOCATION SUB-SUMMARY

MUS-208-0.44
MUS-666-1.79
MUS-16-3.84
MUSKINGUM RIVER
LOCK #10

PLAN NO.

DETAIL	
1	MULTILANE UNDIVIDED
1	TYPICAL SPACING

DETAIL	
2	TAPERED ACCELERATION LANE
3	DECELERATION LANE
4	PARALLEL ACCELERATION LANE
5	MULTILANE DIVIDED/EXPRESSWAY

DETAIL	
6	STOP APPROACH
7	ONE LANE APPROACH W/LT. TURN LANE
8	THRU APPROACH
9	TWO LANE APPROACH W/LT. TURN LANE

DETAIL	
10	4 LANE DIVIDED TO 2 LANE TRANSITION
11	4 LANE UNDIVIDED TO 2 LANE TRANSITION
12	TWO LANE NARROW BRIDGE
13	TWO WAY LEFT TURN LANE
14	ONE LANE BRIDGE
15	HORIZONTAL CURVE

DETAIL	
16	HORIZONTAL CURVE ALT.
17	STOP APPROACH ALT.
GAP	CENTERLINE AT 80' TYP.

PART	LOCATION				DETAIL		RPM	PRISMATIC RETRO-REFLECTOR	INSTALLATION ONLY			PRISMATIC RETRO-REFLECTOR COLORS					REMARKS
	COUNTY	ROUTE	S.L.M. SECTION						RPM			ONE-WAY		TWO-WAY			
			FROM	TO								WHITE	YELLOW	WHITE/WHITE	YELLOW/YELLOW	WHITE/RED	
4	MUS	SR 666	1.80	2.10	16		79								79		PC 1.80 PT 2.10 L=1548'
	MUS	SR 666	2.10	2.62	GAP		34								34		
	MUS	SR 666	2.62	2.84	16		35								35		PC 2.71 PT 2.75 L=211' DEG 16
	MUS	SR 666	2.84	2.96	GAP		8								8		
	MUS	SR 666	2.96	3.18	16		35								35		PC 3.05 PT 3.09 L=211' DEG 8
	MUS	SR 666	3.18	3.62	GAP		29								29		
	MUS	SR 666	3.62	3.75	16		21								21		PC 3.71 PT 3.74 L=158' DEG 29
	MUS	SR 666	3.75	3.82	16		16								16		PC 3.75 PT 3.80 L=264' DEG 25
	MUS	SR 666	3.82	3.93	16		17								17		PC 3.82 PT 3.84 L=106' DEG 15
	MUS	SR 666	3.93	3.99	GAP		4								4		
	MUS	SR 666	3.99	4.19	16		29								29		PC 4.08 PT 4.10 L=106' DEG 9
	MUS	SR 666	4.19	4.52	GAP		22								22		
	MUS	SR 666	4.52	4.72	16		29								29		PC 4.61 PT 4.63 L=106' DEG 11
	MUS	SR 666	4.72	5.66	GAP		62								62		
	MUS	SR 666	5.66	5.81	16		26								26		PC 5.75 PT 5.80 L=264' DEG 13
	MUS	SR 666	5.81	5.90	16		20								20		PC 5.81 PT 5.87 L=317' DEG 27
	MUS	SR 666	5.90	6.00	16		19								19		PC 5.90 PT 5.94 L=211' DEG 19
	MUS	SR 666	6.00	6.12	16		20								20		PC 6.00 PT 6.03 L=158' DEG 16
	MUS	SR 666	6.12	6.94	GAP		54								54		
	MUS	SR 666	6.94	7.15	16		32								32		PC 7.03 PT 7.06 L=158' DEG 15
	MUS	SR 666	7.15	7.50	GAP		23								23		
	MUS	SR 666	7.50	7.65	16		26								26		PC 7.59 PT 7.63 L=211' DEG 14
	MUS	SR 666	7.65	7.76	16		20								20		PC 7.65 PT 7.69 L=211' DEG 26
	MUS	SR 666	7.76	7.82	16		12								12		PC 7.76 PT 7.79 L=158' DEG 12
	MUS	SR 666	7.82	7.92	16		16								16		PC 7.82 PT 7.84 L=106' DEG 12
4	MUS	SR 666	7.92	8.01	16		18								18		PC 7.92 PT 7.96 L=211' DEG 13
COUNTY AND SHEET SUB-TOTALS							706								706		

LOCATION SUB-SUMMARY

DEE-1

07-18-94 (MAINT - C) M666LSS

LOCATION SUB-SUMMARY

MUS-208-0.44
MUS-666-1.79
MUS-16-3.84
MUSKINGUM RIVER
LOCK #10

PLAN NO.

DETAIL	
1	MULTILANE UNDIVIDED
1	TYPICAL SPACING

DETAIL	
2	TAPERED ACCELERATION LANE
3	DECELERATION LANE
4	PARALLEL ACCELERATION LANE
5	MULTILANE DIVIDED/EXPRESSWAY

DETAIL	
6	STOP APPROACH
7	ONE LANE APPROACH W/LT. TURN LANE
8	THRU APPROACH
9	TWO LANE APPROACH W/LT. TURN LANE

DETAIL	
10	4 LANE DIVIDED TO 2 LANE TRANSITION
11	4 LANE UNDIVIDED TO 2 LANE TRANSITION
12	TWO LANE NARROW BRIDGE
13	TWO WAY LEFT TURN LANE
14	ONE LANE BRIDGE
15	HORIZONTAL CURVE

DETAIL	
16	HORIZONTAL CURVE ALT.
17	STOP APPROACH ALT.
GAP	CENTERLINE AT 80' TYP.

PART	LOCATION				DETAIL		INSTALLATION ONLY				PRISMATIC RETRO-REFLECTOR COLORS					REMARKS
			S.L.M. SECTION								ONE-WAY		TWO-WAY			
	COUNTY	ROUTE	FROM	TO			RPM	PRISMATIC RETRO-REFLECTOR	RPM			WHITE	YELLOW	WHITE/WHITE	YELLOW/YELLOW	WHITE/RED	
4	MUS	SR 666	8.01	8.13	16		20								20		PC 8.01 PT 8.04 L=158' DEG 15
	MUS	SR 666	8.13	8.25	16		20								20		PC 8.13 PT 8.16 L=158' DEG 11
	MUS	SR 666	8.25	8.40	GAP		10								10		
	MUS	SR 666	8.40	8.63	16		37								37		PC 8.49 PT 8.54 L=264' DEG 19
	MUS	SR 666	8.63	8.86	16		36								36		PC 8.73 PT 8.77 L=211' DEG 12
	MUS	SR 666	8.86	9.41	GAP		36								36		
	MUS	SR 666	9.41	9.62	16		32								32		PC 9.50 PT 9.53 L=158' DEG 12
	MUS	SR 666	9.62	9.78	16		24								24		PC 9.67 PT 9.69 L=106' DEG 17
	MUS	SR 666	9.78	9.86	GAP		5								5		
	MUS	SR 666	9.86	10.11	16		43								43		PC 9.95 PT 10.02 L=370' DEG 17
	MUS	SR 666	10.11	10.99	GAP		58								58		
	MUS	SR 666	10.99	11.20	17		72					39			33		AT COUNTY ROAD
	MUS	SR 666	11.20	11.37	8		38					16			22		AT COUNTY ROAD
	MUS	SR 666	11.37	14.11	GAP		181								181		
4	MUS	SR 666	14.11	14.32	6		66					39			27		AT SR 208
							678					94			584		
		PREVIOUS SHEET					706								706		
4		TOTAL					1384					94			1290		
COUNTY AND SHEET SUB-TOTALS																	

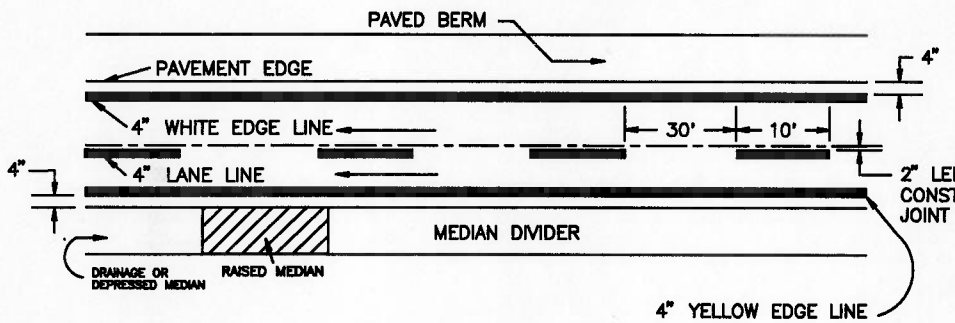
LOCATION SUB-SUMMARY

DEE-1

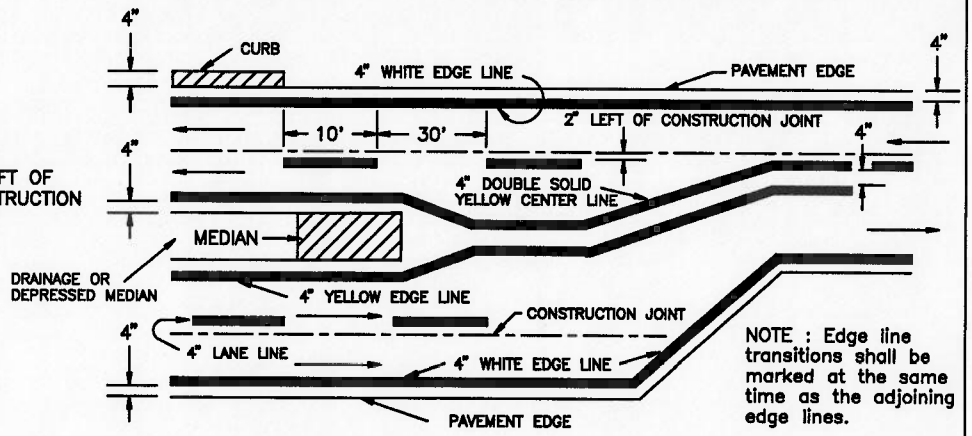
07-18-94 (MAINT - C) M666LSS2

PLAN NO.

FREEWAY & EXPRESSWAY MAINLINE MARKINGS

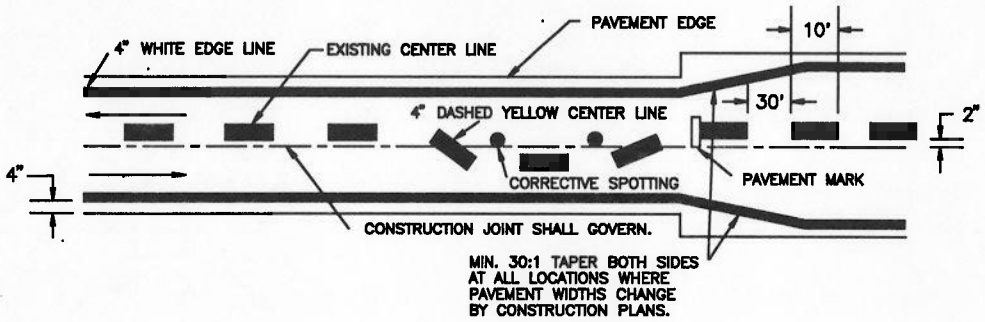


MULTILANE DIVIDED & UNDIVIDED HIGHWAY MARKINGS



NOTE : Edge line transitions shall be marked at the same time as the adjoining edge lines.

TWO LANE MARKINGS



NOTES:

1. The distance from the pavement edge to the nearside edge of the edgeline may be increased with the approval of the engineer in order to maintain uniform lane width.

2. See TC-72.20 for entrance and exit ramp markings.

3. The cycle length for dashed lines shall be 40 feet plus or minus 6 inches. The minimum length of dash shall be sufficiently long to maintain a 3:1 ratio between length of gap and length of dash.

Ohio Department of Transportation

Pavement Marking Typical Details

DATE 11-80 9-86 9-91

CENTER LINE SUB-SUMMARY

MUS-208-0.44
MUS-666-1.79
MUS-16-3.84
MUSKINGUM RIVER LOCK #10

PLAN NO.

COUNTY	ROUTE	S.L.M.		CENTER LINES QUANTITIES		PARTICIPATION TYPE					REMARKS
		FROM	TO	TOTAL MILES	EQUIVALENT SOLID LINE	IRG	FG	RSG	NON FED STATE		
MUS	SR 208	0.44	0.96	0.52	1.04				PART 1		MAIN STREET IN DRESDEN TO END CORP.
MUS	SR 208	0.96	11.08	10.12	20.24				PART 2		RURAL TO ADAMSVILLE
MUS	SR 208	11.08	11.22	0.14	0.28				PART 3		ADAMSVILLE CORP. TO SR 93
MUS	SR 666	1.79	14.32	12.53	2.51				PART 4		END OF ZANESVILLE CORP. TO DRESDEN SR 208
MUS	SR 16	3.84	5.08	1.24	2.48				PART 5		BEGINNING OF FRAZEYSBURG CORP. TO END OF CORP.

DEE-1

07-18-94 (MAINT - C) M208CLSS

CENTER LINE SUB-SUMMARY

EDGE LINE SUB-SUMMARY

MUS-208-0.44
MUS-666-1.79
MUS-16-3.84
MUSKINGUM RIVER LOCK #10

PLAN NO.

CO.	ROUTE	S.L.M.		WHITE EDGE LINE QU.			YELLOW EDGE LINE QU.			PARTICIPATION TYPE				EDGE LINE TOTAL MILES	REMARKS
		FROM	TO	TOTAL MILES	HIGHWAY	RAMP	TOTAL MILES	HIGHWAY	RAMP	IRG	FG	RSG	NON FED STATE		
MUS	SR 208	0.44	0.96	1.04	0.52								1.04	1.04	FROM MAIN STREET TO END OF DRESDEN CORP.
MUS	SR 208	0.96	11.08	20.24	10.12								20.24	20.24	FROM DRESDEN CORP. TO BEGINNING OF ADAMSVILLE CORP.
MUS	SR 208	11.08	11.22	0.28	0.14								0.28	0.28	ADAMSVILLE CORP. TO SR 93
MUS	SR 666	1.79	14.32	25.06	12.53								25.06	25.06	FROM ZANESVILLE CORP. TO DRESDEN
MUS	SR 16	3.84	5.08	2.48	1.24								2.48	2.48	BEGINNING OF FRAZEYSBURG CORP. TO END OF CORP.

DEE-1

07-18-94 (MAINT - C) M208ELSS

EDGE LINE SUB-SUMMARY

PAVEMENT MARKING SUB-SUMMARY

DEPARTMENT OF TRANSPORTATION
M&R707 REV. 9-1-83

MUS-208-0.44
MUS-666-1.79
MUS-16-3.84
MUSKINGUM RIVER LOCK #10

PLAN NO.

644 THERMOPLASTIC

CO.	ROUTE	SIDE	24" TRANSVERSE LINES		STOP LINE	12" CROSSWALK LINES	WORD ON PAVEMENT				LANE ARROWS				RAILROAD SYMBOL ON PAVEMENT	DOTTED LINES		8" CHANNEL LINE	REMARKS
							ONLY		SCHOOL		TURN		THRU	COMB.					
			WHITE	YELLOW	24"	WHITE	72"	96"	72"	96"	LEFT	RIGHT				WHITE	YELLOW		
			LIN.FT.	LIN.FT.	LIN.FT.	LIN.FT.	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	LIN.FT.	LIN.FT.	LIN.FT.	
PART 1	ON SR 208 EAST OF MAIN ST.	CL			15	64									1				SEE SHEET # 29
MUS	ALLEY	LT			6	28													SEE SHEET # 29
	ON SR 208 BEFORE HIGH ST.	CL													1				
	HIGH ST.	LT			14	76													SEE SHEET # 29
	ON SR 208 BEFORE ENTR. TO SCHOOL					60													SEE SHEET # 29
	ENTRANCE TO TRI-VALLEY H.S.	LT			18														SEE SHEET # 29
	ENTRANCE TO TRI-VALLEY H.S.	LT			28														SEE SHEET # 29
	ON SR 208 BEFORE RIVER DR.	CL				56													SEE SHEET # 29
	RIVER DR.	RT			11	56													SEE SHEET # 29
PART 1	TOTALS				92	340									2				
PART 2	ON SR 208 E. OF SR 666	CL			21														
MUS	STONE CHURCH RD.	LT			25														PLACE AS DIRECTED
	NO NAME ST.	RT			25														PLACE 15' FROM CL SR 208
	MCLAUGHLIN HILL RD.	LT			16														PLACE 22' FROM CL SR 208
	BRANCH ST. (A)	RT			16														PLACE AS DIRECTED
	BRANCH ST. (B)	RT			18														PLACE 18' FROM CL SR 208
	MADISON HALL RD.	RT			19														PLACE 25' FROM CL SR 208
	RINE RD.	LT			15														PLACE 28' FROM CL SR 208
	STEEL HILL RD.	RT			15														PLACE 30' FROM CL SR 208
	KEYES RD.	LT			18														PLACE 23' FROM CL SR 208
	BETHESDA CHURCH RD.	LT			23														PLACE AS DIRECTED
	PROSPECT CHURCH RD.	RT			13														PLACE AS DIRECTED
	PROSPECT CHURCH RD.	RT			25														
	EDGEMOOR RD.	LT			40														PLACE AS DIRECTED
	SUMMERS RD.	RT			8														PLACE 36' FROM CL SR 208
	SYMMES CREEK RD.	LT			35														PLACE AS DIRECTED
PART 2	TOTALS				322														
PART 3	SR 208 ADAMSVILLE																		
	MILLERS ST.	RT			6	20													SEE SHEET # 29
	MADISON ST.	LT			6	24													SEE SHEET # 29
	DRESDEN ST.	LT			8	24													SEE SHEET # 29
	MOLLIES ROCK RD.	RT			10	44													SEE SHEET # 29
	ON SR 208 BEFORE SR 93	CL				46													SEE SHEET # 29
PART 3	TOTALS				30	158													
PART 4	MUS SR 666																		
	NO NAME	RT			16														PLACE 16' FROM CL SR 666
	NO NAME	LT			17														PLACE 16' FROM CL SR 666
	NO NAME	RT			18														PLACE 14' FROM CL SR 666
	RIVERVIEW MANOR	LT			13														PLACE 17' FROM CL SR 666
	CULBERTSON RD.	RT			17														PLACE 15' FROM CL SR 666
	GILBERT RD.	RT			12														PLACE AS DIRECTED
	NO NAME	LT			26														PLACE 21' FROM CL SR 666
	MEMORY RD.	RT			24														PLACE 22' FROM CL SR 666
	PAINTERS HOLLOW	RT			15														PLACE 27' FROM CL SR 666
	OLD FERRY RD.	RT			22														PLACE 22' FROM CL SR 666
	MOLLIES ROCK RD.	RT	CR40		22														PLACE AS DIRECTED
	NO NAME	RT			35														PLACE 18' FROM CL SR 666
PART 4	TOTALS				237														

DEE-1

07-18-94 (MAINT - C) M208PVS1

PAVEMENT MARKING SUB-SUMMARY

DEPARTMENT OF TRANSPORTATION
M&R707 REV. 9-1-83

PAVEMENT MARKING SUB-SUMMARY

MUS-208-0.44
MUS-666-1.79
MUS-16-3.84
MUSKINGUM RIVER LOCK #10

PLAN NO.

644 THERMOPLASTIC

CO.	ROUTE	SIDE	24" TRANSVERSE LINES WHITE LIN.FT.	24" TRANSVERSE LINES YELLOW LIN.FT.	STOP LINE 24" LIN.FT.	12" CROSSWALK LINES WHITE LIN.FT.	WORD ON PAVEMENT ONLY 72" EACH	WORD ON PAVEMENT ONLY 96" EACH	WORD ON PAVEMENT SCHOOL 72" EACH	WORD ON PAVEMENT SCHOOL 96" EACH	LANE ARROWS TURN LEFT EACH	LANE ARROWS TURN RIGHT EACH	LANE ARROWS THRU EACH	LANE ARROWS COMB. EACH	RAILROAD SYMBOL ON PAVEMENT EACH	DOTTED LINES WHITE LIN.FT.	DOTTED LINES YELLOW LIN.FT.	8" CHANNEL LINE LIN.FT.	REMARKS
PART 5	MUS SR 16																		
	MARKLIN DR.	LT			23														PLACE 18' FROM CL SR 16
	NORA DR.	RT			16														PLACE 21' FROM CL SR 16
	WEST CARLISLE	RT			21														PLACE 21' FROM CL SR 16
	NEWARK RD.	RT			36														PLACE 24' FROM CL SR 16
	BEFORE MOUND ST.	CL				56													SEE SHEET #30
	MOUND ST.	LT			18	42													PLACE AS DIRECTED
	MOUND ST.	RT			18	42													PLACE 22' FROM CL SR 16
	ALLEY	LT			10	32													
	ALLEY	RT			10	38													
	ON SR 16 BEFORE BASIN ST.					56													SEE SHEET #30
	BASIN ST.	LT			18	42													SEE SHEET #30
	BASIN ST.	RT			18	52													SEE SHEET #30
	ON SR 16 AFTER SR 16					56													SEE SHEET #30
	ALLEY	LT			10	32													SEE SHEET #30
	ALLEY	RT			10	38													SEE SHEET #30
	ON SR 16 BEFORE STATE ST.				12	62													SEE SHEET #30
	STATE ST.	LT			18	60													SEE SHEET #30
	STATE ST.	RT			18	60													SEE SHEET #30
	ON SR 16 AFTER STATE ST.				12	56													SEE SHEET #30
	JACKSON ST.	LT			14														PLACE 20' FROM CL SR 16
	5TH ST.	LT			18														PLACE 23' FROM CL SR 16
PART 5	TOTALS				300	724													

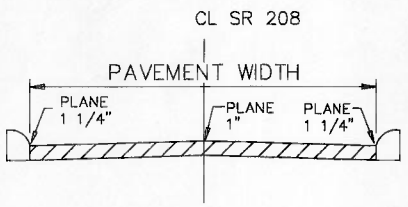
PAVEMENT MARKING SUB-SUMMARY

DEE-1

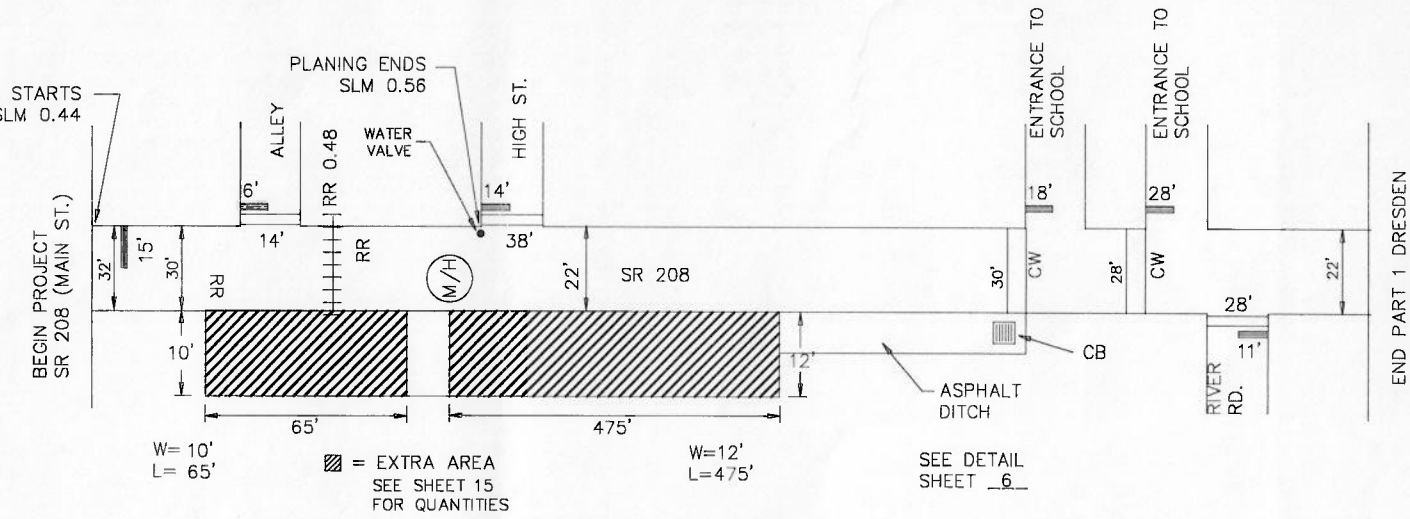
07-18-94 (MAINT - C) M208PMS2

MUS-208-0.44
MUS-666-1.79
MUS-16-3.84
MUSKINGUM RIVER
LOCK #10

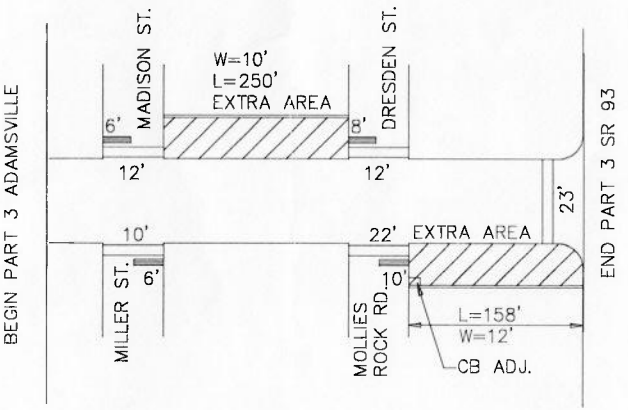
PLAN NO.



SLM 0.44 – 0.56



PART 1 DRESDEN



PART 3 ADAMSVILLE

PAVEMENT MARKING DETAILS

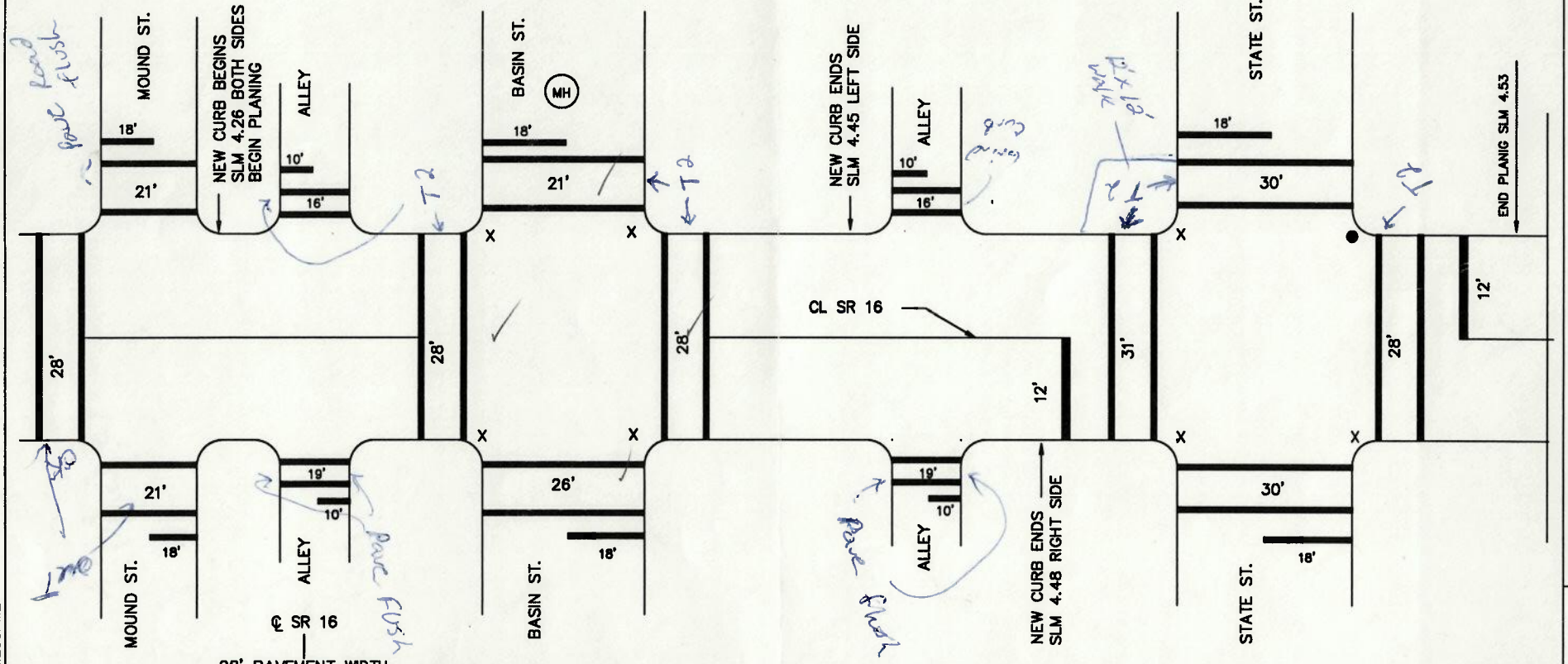
DEE-1

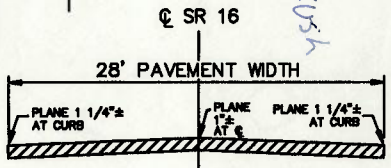
07-18-94 (MAINT - C) M208PM1

MUS-208-0.44
MUS-666-1.79
MUS-16-3.84
MUSKINGUM RIVER
LOCK #10

PLAN NO.

FRAZEYSBURG
PART 5





PLANING DETAIL
SLM
4.26 – 4.53

07-18-94 (MAINT – C) M208PM2

PAVEMENT MARKING DETAILS

30
32

GENERAL SUMMARY

MUS-208-0.44
MUS-666-1.79
MUS-16-3.84
MUSKINGUM RIVER
LOCK #10

PLAN NO.

ITEM	PART 1	PART 2	PART 3	PART 4	PART 5	ODNR PART 6	PART 7	ITEM	ITEM EXT. NO.	ODNR TOTAL PART 6	GRAND TOTAL PARTS 1-7	UNIT	DESCRIPTION
202	153	1810		1110	375			202	23500		3448	SQ.YD.	WEARING COURSE REMOVED
202	100	1071		1499				202	54101		2670	EACH	RAISED PAVEMENT MARKERS REMOVED FOR STORAGE, AS PER PLAN
202				350				202	38602		350	LIN.FT.	BRIDGE RAILING, REMOVE FOR REUSE
202							83	202	32500		83	LIN.FT.	CURB AND GUTTER REMOVED
202							2	202	58500		2	EACH	CATCH BASIN ABANDONED
203							17	203	12000		17	CU.YD.	EXCAVATION, NOT INCLUDING EMBANKMENT CONSTRUCTION
253						3		253	02001	3	3	CU.YD.	PAVEMENT REPAIR, AS PER PLAN
254	100				250			254	01600		350	SQ.YD.	PATCHING PLANED SURFACE
254	1776				5049			254	01000		6825	SQ.YD.	PAVEMENT PLANING BITUMINOUS
301							12	301	10002		12	CU.YD.	BITUMINOUS AGGREGATE BASE, AC-20
407	298	5553	120	6942	1175	113		407	10000	113	14201	GALLON	TACK COAT
408	254	710		195				408	10000		1159	GALLON	BITUMINOUS PRIME COAT
448	2							448	16001		2	CU.YD.	ASPHALT CONCRETE,SURFACE COURSE,TYPE 1,AC-20(AS PER PLAN)
448	36	2230	44	2754	725			448	14000		5789	CU.YD.	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, AC-20
448	274	3092	70	3973	32	94		448	16000	94	7535	CU.YD.	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, AC-20
448	53	56	15	168	30			448	16004		322	CU.YD.	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, AC-20 (FOR DRIVEWAY)
448						10		448	15000	10	10	CU.YD.	ASPHALT CONCRETE,INTERMEDIATE COURSE,TYPE 2,AC-20
517				350				517	76300		350	LIN. FT.	RAILING RESET, BRIDGE RAIL
603							10	603	04400		10	LIN.FT.	12" CONDUIT, TYPE B
604	1				7			604	09000		8	EACH	CATCH BASIN ADJUSTED TO GRADE
604	1				1			604	34500		2	EACH	MANHOLE ADJUSTED TO GRADE
604							2	604	00800		2	EACH	CATCH BASIN, NO.3A
609					2295			609	26000		2295	LIN. FT.	CURB, TYPE 6, AS PER PLAN

GENERAL NOTES

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.

RAILROAD CROSSINGS:
The new surface course shall be feathered or butt jointed to meet the rail grades as specified.

TACK COAT:
The tack coat operation shall be as determined at a pre-construction conference as per 407.05, and application rates shall not exceed 0.10 gal. per sq. yd.
In addition to the requirements of 407.05 the tack coat shall be applied immediately ahead of the paving operation or as otherwise determined by the Project Engineer.

INTERMEDIATE COURSE, SPOT LEVELING AND PATCHING:
This material shall be placed in a seperate operation where and as directed by the Engineer.

ALIGNMENT AND PROFILE:
The work proposed by this project is for the resurfacing of the existing pavement. The alignment of the existing pavement will not be changed, and the profile of the proposed surface will be similar to that of the existing pavement except that it will be raised an amount equal to the thickness of the resurfacing course or courses specified in these plans.

Spreading equipment shall be capable of having an automatic profile control device added to be used when directed by the Engineer. The minimum length of the ski for this device shall be 30'.

CONTROL OF ONE WAY TRAFFIC:
In addition to the requirements of the Ohio Manual of Uniform Traffic Control Devices and Material Specifications the following requirements shall apply.
Communications between flaggers shall be by two-way radio during the paving operations.
Payment for the above shall be included in Item 614, Maintaining Traffic.

COVER AGGREGATE:
Cover aggregate shall conform to 703.06.

DEE-1

07-18-94 (MAINT - C) M208GS1

MUS-208-0.44
MUS-666-1.79
MUS-16-3.84
MUSKINGUM RIVER
LOCK #10

PLAN NO.

GENERAL SUMMARY

ITEM	PART 1	PART 2	PART 3	PART 4	PART 5	PART 6 ODNR	PART 7	ITEM	ITEM EXT. NO.	ODNR TOTAL PART 6	GRAND TOTAL PARTS 1-7	UNIT	DESCRIPTION
609							75	609	12000		75	LIN.FT.	COMBINATION CURB AND GUTTER, TYPE 2
614	LUMP	LUMP	LUMP	LUMP	LUMP	LUMP		614	11000	LUMP	LUMP	LUMP	MAINTAINING TRAFFIC
614	18	80	30	96	28	4		614	12480	4	256	EACH	WORK ZONE MARKING SIGN
614	1.05	20.38	0.28	25.12	2.48			614	21400		49.31	MILE	TEMPORARY CENTER LINE, CLASS II
617	61	1320	18	1634	174			617	10100		3207	CU. YD.	COMPACTED AGGREGRATE, TYPE A
617	1	12		15	2			617	25000		30	MGAL.	WATER
619	LUMP	LUMP	LUMP	LUMP	LUMP	LUMP		617	15000	LUMP	LUMP	LUMP	FIELD OFFICE, TYPE A
624	LUMP	LUMP	LUMP	LUMP	LUMP	LUMP		624	10000	LUMP	LUMP	LUMP	MOBILIZATION
638	1				1			638	10800		2	EACH	VALUE BOX ADJUSTED TO GRADE
642	.52	10.12	0.14	12.53	1.24			642	00302		24.55	MILE	CENTERLINE, TYPE 2
642	1.04	20.24	0.28	25.06	2.48			642	00102		49.10	MILE	EDGE LINE, TYPE 2
644	92	332	30	237	300			644	00500		991	LIN.FT.	STOP LINE
644	340		158		724			644	00600		1222	LIN. FT.	CROSS WALK LINE
644						481		644	01200	481	481	LIN. FT.	PARKING LOT STALL MARKING (WHITE)
644	2							644	0100		2	EACH	RAILROAD SYMBOL MARKING
644						62		644	01200	62	62	LN. FT.	PARKING LOT STALL MARKING (YELLOW)
644						2		644	50100	2	2	EACH	HANDICAP SYMBOL MARKING
659					510			659	10000		510	SQ.FT.	SEEDING AND MULCHING
SPECIAL						33		SPECIAL	20253000	33	33	EACH	PARKING BLOCK REMOVED AND REPLACED
SPECIAL				685				SPECIAL	51267030		685	SQ.YD.	MEMBRANE WATERPROOFING SHEET TYPE 3
SPECIAL				50				SPECIAL	51912300		50	SQ.YD.	PATCHING CONCRETE BRIDGE DECK TYPE B
SPECIAL	2	30	1	38	4			SPECIAL	20363000		75	HOUR	GRADER RENTAL
SPECIAL	1	15	1	19	2			SPECIAL	20363500		38	HOUR	LOADER RENTAL
SPECIAL					795			SPECIAL	44819000		795	CU.YD.	ASPHALT CONCRETE,SURFACE COURSE,TYPE 1,SBS POLYMER
SPECIAL	1	25	2	40	8			SPECIAL	69050000		76	EACH	MAILBOX SUPPORTS
862	100	1071		1384				862	00100		2555	EACH	RAISED PAVEMENT MARKER

DEE-1

07-18-94 (MAINT - C) M208GS2

GENERAL SUMMARY