PROJECT DESCRIPTION 2-LANE RESURFACING AND RELATED WORK

	001111777	DOUTE	CECTIONS	PROJEC	T TERMINI	NET LENGTH	CITY
LOCATION	COUNTY	ROUTE	SECTIONS	BEGIN	END	MILES	CITT
l	cos.	SR 83	(12.67-19.18)	12.67	26.72	14.05	

INDEX OF SHEETS:

GENERAL NOTES	TITLE SHEET	1 `
PAVED SHOULDER DATA	GENERAL NOTES	2-8
EXTRA AREAS DATA	ASPHALT CONCRETE DATA	9
BRIDGE DECK TREATMENT 12 BRIDGE DECK DETAILS 13 RPM LOCATION SUB-SUMMARY 14,15 EDGE/CENTER LINE SUB-SUMMARY 16 PAVEMENT MARKING SUB-SUMMARY 17 PAVEMENT MARKING TYPICAL DETAIL 18	PAVED SHOULDER DATA	10
BRIDGE DECK DETAILS	EXTRA AREAS DATA	
RPM LOCATION SUB-SUMMARY14,15 EDGE/CENTER LINE SUB-SUMMARY16 PAVEMENT MARKING SUB-SUMMARY17 PAVEMENT MARKING TYPICAL DETAIL18	BRIDGE DECK TREATMENT	12
EDGE/CENTER LINE SUB-SUMMARY16 PAVEMENT MARKING SUB-SUMMARY17 PAVEMENT MARKING TYPICAL DETAIL18	BRIDGE DECK DETAILS	13
PAVEMENT MARKING SUB-SUMMARY17 PAVEMENT MARKING TYPICAL DETAIL18	RPM LOCATION SUB-SUMMARY	14,15
PAVEMENT MARKING TYPICAL DETAIL 18	EDGE/CENTER LINE SUB-SUMMARY	16
	PAVEMENT MARKING SUB-SUMMARY	17
GENERAL SUMMARY 19,20	PAVEMENT MARKING TYPICAL DETAIL	18
	GENERAL SUMMARY	19,20

1997 SPECIFICATIONS

THE STANDARD 1997 SPECIFICATIONS OF THE STATE OF OHIO DEPART-MENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND THE PROPOSAL SHALL GOVERN THESE IMPROVEMENTS.

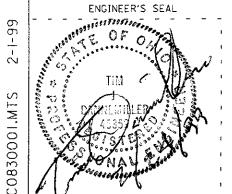
I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THESE IMPROVEMENTS WILL NOT REQUIRE THE CLOSING OF THE HIGHWAY AND PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS INDICATED IN THE PROPOSAL.

DATE 2/27/59 DISTRICT DEPUTY DIRECTOR

DIRECTOR, DEPARTMENT OF TRANSPORTATION

UNDERGROUND UTILITIES TWO WORKING DAYS BEFORE YOU DIG

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



DESTAN DESTANTANT	
DESIGN DESIGNATION	
Current ADT (1999)	3700
Design Year ADT (2011)	4400
Design Hourly Volume (2011)	10%
Directional Distribution	55%
Trucks (24 Hour B&C)	7%
Design Speed	55 mph
Legal Speed	55 mph

STAN DRAW		STAN DRAW		SUPPLEMENTAL SPECIFICATIONS				
BP-3.1	10-28-94	TC-65.	11-1-95	806	9-9-97			
BP-4.1	10-28-94	TC-65.12	11-1-95					
MT-95.30	4-25-94	TC-71.10	9-1-93					
MT-95.31	4-25-94							
MT-95.32	4-25-94							
MT-97.11	1-30-95							
MT-99.20	1-30-95							
TC-65.10	11-1-95		·					

PLAN PREPARED BY:

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CONSTRUCTION

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UTILITIES

THERE ARE NO UNDERGROUND UTILITIES SHOWN ON THIS PLAN.
THE NATURE OF THE WORK REQUIRED BY THIS PROJECT SHOULD
NOT AFFECT ANY KNOWN UNDERGROUND UTILITIES THAT EXIST
UNDER OR ADJACENT TO THE WORK AREA. BELOW IS A LIST OF
UTILITIES LOCATED WITHIN THE WORK AREA AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT OWNERS AND
VERIFY LOCATIONS

AMERITECH OF OHIO 160 NORTH 6th STREET ZANESVILLE, OHIO 43701 ATTN: BECKY DICK 740-454-3513 AEP (OHIO POWER COMPANY)
301 CLEVELAND AVENUE, SW
CANTON, OH 44701
ATTN: MIKE BUSH
330-438-7823

NATIONAL GAS AND OIL 1500 GRANVILLE ROAD P.O. BOX 4970 NEWARK, OHIO 43058 ATTN: DAVE DETTY 740-344-2102 BUCKEYE OIL PRODUCING
P. O. BOX 129
WOOSTER, OH 44691
ATTN: STEVE SIGLAR
JIM SHOOTS
330-264-8847

FRONTIER POWER COMPANY
770 S. SECOND STREET
P. O. BOX 270
COSHOCTON, OH 43812
ATTN: DAVE ENDLICH, LINE SUPRV.
740-622-6755

NOTIFICATION OF ROAD CLOSURE OR RESTRICTION

IN ORDER FOR ODOT TO PROPERLY PERMIT OVERSIZE LOADS, PREPARE PROPER SIGNING WHEN REQUIRED AND FURTHER TO NOTIFY THE GENERAL MOTORING PUBLIC, THE CONTRACTOR SHALL NOTIFY (IN WRITING) THE DISTRICT 5 HIGHWAY MANAGEMENT ADMINISTRATOR WITH COPIES FOR THE DISTRICT 5 ROADWAY SERVICES MANAGER AND PROJECT ENGINEER NOT LESS THAN 21 DAYS BEFORE SUCH CLOSURE OR LANE RESTRICTIONS.

SEND NOTIFICATION TO:

DISTRICT 5 HIGHWAY MANAGEMENT ADMINISTRATOR P.O. BOX 306
JACKSONTOWN, OH. 43030
PHONE: (740) 323-4400 EXT. 5241

FEATHERING

FEATHERING OF THE ASPHALT CONCRETE WHERE REQUIRED SHALL BE ACCORDING TO DRAWING BP-3.1, 2-21-92.

IPLAN NO.

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 617, COMPACTED AGGREGATE, TYPE A, AS PER PLAN

ALL AGGREGATE SHALL BE 100% CRUSHED LIMESTONE. ALL QUALITY REQUIREMENTS EXCEPT SHALE SHALL BE WAIVED. OTHER GRADATION REQUIREMENTS SHALL BE AS SPECIFIED EXCEPT THE PLASTICITY INDEX SHALL BE WAIVED. IF SO DESIRED, THE CONTRACTOR MAY USE RECYCLED ASPHALT CONCRETE PAVEMENT (RACP MEETING REQUIREMENTS OF 617.03) IN LIEU OF CRUSHED LIMESTONE.

PROFILE AND ALIGNMENT

THE PROPOSED PAVEMENT RESURFACING SHALL FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT.

TACK COAT

THE RATE OF APPLICATION OF THE 407 TACK COAT SHALL BE SUBJECT TO ADJUSTMENT AS DIRECTED BY THE ENGINEER. PLAN QUANTITIES INDICATE AN AVERAGE APPLICATION RATE OF 0.075 GALLONS PER SQUARE YARD FOR ESTIMATING PURPOSES ONLY.

TACK COAT FOR INTERMEDIATE COURSE

THE RATE OF APPLICATION OF THE 407 TACK COAT FOR INTERMEDIATE COURSE SHALL BE SUBJECT TO ADJUSTMENT AS DIRECTED BY THE ENGINEER. PLAN QUANTITIES INDICATE AN AVERAGE APPLICATION RATE OF 0.05 GALLONS PER SQUARE YARD FOR ESTIMATING PURPOSES ONLY.

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ITEM 254 PAVEMENT PLANING, BITUMINOUS, AS PER PLAN

PLANING SHALL BE PERFORMED SUCH THAT THE PAVEMENT SURFACE IS SLOPED AT A RATE OF 0.0156 FROM CENTERLINE TO RESTORE THE CROWN TO THE ROADWAY. A BUTT JOINT SHALL BE CREATED AT BEGINNING AND END OF PROJECT. AFTER PLANING, THE ROADWAY SHALL BE RESURFACED WITH 1.75" ITEM 448 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG 64-22 AND 1.25" ITEM 448 ASPHALT CONCRETE SURFACE COURSE, TYPE I, PG 64-22. THE ENGINEER MAY ADJUST PLANING DEPTHS AT ANY TIME TO MEET EXISTING CONDITIONS AT THE TIME OF CONSTRUCTION.

ITEM 254 PAVEMENT PLANING BITUMINOUS, AS PER PLAN QUANTITIES SHOWN ON SHEET 9.

ITEM 254 PATCHING PLANED SURFACE

A QUANTITY OF SURFACE PATCHING HAS BEEN INCLUDED IN THE PLAN TO REPLACE UNSOUND PAVEMENT RESULTING FROM PLANING. THE ENGINEER WILL DETERMINE WHERE THIS WORK WILL BE PERFORMED. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 254 - PATCHING PLANED SURFACE **PART I.** 9765 SQ. YD QUANTITY CARRIED TO GENERAL SUMMARY

ITEM 614 WORK ZONE MARKING SIGNS

A QUANTITY OF WORK ZONE MARKING SIGNS HAS BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER.

WORK ZONE MARKING SIGNS	
OW-167 (NO EDGE LINES)	14
R-33 (DO NOT PASS)	40
R-34 (PASS WITH CARE)	18
OW-128 (BEGIN ROAD CONSTRUCTION AHEAD)	26
OC-8 (END ROAD CONSTRUCTION)	26
TOTAL	124

RAISED PAVEMENT MARKER REMOVED FOR STORAGE. AS PER PLAN

REMOVAL OF RAISED PAVEMENT MARKERS SHALL CONFORM WITH SECTION NO. 202.07 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. 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.

ITEM 202 - RAISED PAVEMENT MARKER REMOVED FOR STORAGE, AS PER PLAN LOCATION I - 1555 ESTIMATED QUANTITIES CARRIED TO GENERAL SUMMARY

LIQUIDATED DAMAGES FOR EXCESSIVE TIME BETWEEN PLANING AND PAVING

NO MORE THAN 2 CALENDAR DAYS SHALL ELAPSE BETWEEN THE TIME THE PAVEMENT PLANING OPERATION COMMENCES AND THE APPLICATION OF THE ITEM 448, ASPHALT CONCRETE-LIQUIDATED DAMAGES, AS DESCRIBED IN SECTION 108.07 OF THE STATE OF OHIO, CONSTRUCTION AND MATERIAL SPECIFICATIONS WILL BE DEDUCTED FROM ANY MONEY DUE THE CONTRACTOR FOR ALL DAYS IN EXCESS OF THE TIME LIMITS DESCRIBED ABOVE.

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 IO FEET INTO THE DRIVEWAY, MEASURED FROM THE EDGE OF THE 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 THE APPROPRIATE ASPHALT ITEM SHOWN BELOW. BECAUSE OF PAVEMENT PLANING, AN ESTIMATED QUANTITY OF SURFACE COURSE ONLY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR FEATHERING AT DRIVES.

PAVING OF THE MAINLINE SHALL BE COMPLETED BEFORE THE WORK DESCRIBED ABOVE SHALL BEGIN ON DRIVES.

THE QUANTITIES SHOWN IN THE BELOW HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR THE PURPOSE DESCRIBED ABOVE.

ITEM 448 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG 64-22 (1.75" THICK) [DRIVEWAYS], 91.4 CU.YD.

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 INTERMEDIATE COURSE, TYPE I, PG 64-22 AND ITEM 448 ASPHALT CONCRETE SURFACE COURSE, TYPE I, PG 64-22

QUANTITIES CARRIED TO GENERAL SUMMARY

ITEM 448 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG 64-22, (1.75" THICKNESS) 104.8 CU.YD.

PAVED SHOULDERS

THE PAVED SHOULDER SHALL BE APPLIED IN TWO COURSES. THE FIRST BEING I.75" OF ITEM 448 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG 64-22 AND IT SHALL BE APPLIED AT THE TIME AS THE FIRST COURSE ON THE ROADWAY. THE SECOND COURSE SHALL BE I.25" OF ITEM 448 ASPHALT CONCRETE SURFACE COURSE, TYPE I, PG 64-22 TO BE APPLIED AT THE SAME TIME AS THE FINAL COURSE ON THE ROADWAY AS DIRECTED BY THE ENGINEER.

ITEM 253 - PAVEMENT REPAIR, AS PER PLAN

AN ESTIMATED QUANTITY FOR PAVEMENT REPAIR HAS BEEN INCLUDED IN THE PLAN TO BE USED AS DIRECTED BY THE ENGINEER WHERE THE EXISTING PAVEMENT HAS DETERIORATED. FINAL LOCATIONS OF PAVEMENT REPAIR SHALL BE DETERMINED BY THE ENGINEER AT THE TIME OF CONSTRUCTION. DEPTH OF EXCAVATION SHALL BE APPROXIMATELY 5". AFTER PLANING HAS BEEN COMPLETED, THE FACE OF THE REPAIR SHALL BE COATED WITH ITEM 407 TACK COAT. REPLACEMENT MATERIAL WILL BE 5" OF ITEM 301 BITUMINOUS AGGREGATE BASE, PG 64-22 (PLACED AND COMPACTED AS DIRECTED BY THE ENGINEER). ALL EXCAVATION NEEDED TO ACHIEVE THE PROPER SLOPES FOR DRAINAGE ON BERMS AND ALL MATERIALS, LABOR, EQUIPMENT, TOOLS AND INCIDENTALS NEEDED TO COMPLETE THE WORK DESCRIBED ABOVE SHALL BE PAID FOR UNDER ITEM 253 PAVEMENT REPAIR, AS PER PLAN. AFTER ALL PAVEMENT REPAIR HAS BEEN ACCOMPLISHED, THE ENTIRE SURFACE WILL BE OVERLAID WITH 1.75" OF ITEM 448 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 AND 1.25" OF ITEM 448 ASPHALT CONCRETE SURFACE COURSE, TYPE 1.

THE FOLLOWING CONTINGENCY QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR THE ABOVE DESCRIBED PURPOSE.

ITEM 253 PAVEMENT REPAIR, AS PER PLAN 500 SQ.YD.

ITEM 606 RAISING TYPE 5 GUARDRAIL

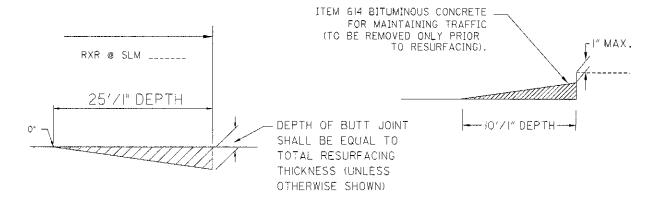
TYPE 5 GUARDRAIL AT THE LOCATIONS LISTED BELOW SHALL BE RAISED AS PER STANDARD CONSTRUCTION DRAWING GR-2.1, 5-6-91. ALL MATERIALS, LABOR, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THE WORK DESCRIBED SHALL BE PAID FOR AT THE UNIT PRICE BID FOR ITEM 606 RAISING TYPE 5 GUARDRAIL. THE LOCATIONS AND QUANTITIES LISTED BELOW ARE FIELD ESTIMATES AND SHALL BE VERIFIED BY THE ENGINEER BEFORE ANY WORK IS TO BE DONE.

ITEM 606 RAISING TYPE 5 GUARDRAIL 1500 LIN. FT.

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BUTT JOINT

A BUTT JOINT WILL BE REQUIRED AT LOCATIONS SPECIFIED BELOW AND AT EXTRA AREAS WITH WEARING COURSE REMOVED. AFTER THE JOINT IS CONSTRUCTED, THE DROP OFF CREATED SHALL BE MINIMIZED BY TEMPORARILY FILLING THE VOID TO WITHIN AT LEAST I" OF THE EXISTING ROADWAY SURFACE (SEE DETAIL BELOW). PLACEMENT AND REMOVAL OF TEMPORARY WEDGE SHALL BE INCLUDED FOR PAYMENT IN THE UNIT BID PRICE FOR THE APPROPRIATE ASPHALT REMOVAL ITEM (PAVEMENT PLANING OR WEARING REMOVED).



]	ITEM 202	ITEM 407	ITEM 614	LOCATION
1	WEARING	TACK	BITUMINOUS CONCRETE	
(COURSE	COAT	FOR MAINTAINING	
f	REMOVED SQ. YD,	GAL.	TRAFFIC CU. YD.	
	200	4	1.5	@ SLM 12.75
		5	2.3	BRIDGE @ 15.69
		5	2.3	BRIDGE @ 18.37
	200	4	1.5	HOLMES CO. LINE
		· · · · · · · · · · · · · · · · · · ·		
AL	400	18	7.6	

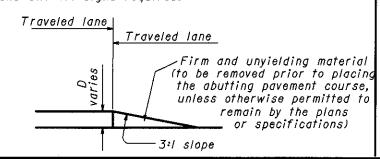
TOTALS CARRIED TO GENERAL SUMMARY

GENERAL NOTES

- I. It is intended that this drawing be used for treatment of drop-offs that develop 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 hereon, 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 hereon, 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 (OMUTCD) must be fulfilled.
- 3. 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 hereon 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 drums are specified for a dropoff condition, a minimum number of four drums shall be used. Spacing shall be as indicated in the plans or as specified in the OMUTCD.
- 7. When OW-151 (Low Shoulder) signs or OW-171 (Uneven Lanes) and OWP-171 signs are required, they shall be placed 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 dropoff condition extends more than one-half mile, additional signs should be erected at intervals of one 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 3:1 slope treatment similar to the Optional Wedge 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 10', drums may be placed on the opposite level from that of traffic provided the dropoff depth does not exceed 5" and approval is granted by the Project Engineer.
- 10. Pavement Repairs (or similar work):
 - a. Lengths greater than 60 feet utilize appropriate treatment from Condition 1.
 - b. Lengths of 60 feet or less repairs shall be effected in accordance with 255.08. Drums may be used as a separator adjacent to the traveled lane.

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 required.



DROPOFFS BETWEEN TRAVELED LANES

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

D (In.)	Treatment
≤11/2	Erect OW-171 and OWP-171 signs.
>11/2-3	 Lane closure utilizing drums*as shown below OR 2) Optional Wedge Treatment
>3-5	Lane closure utilizing drums as shown below.
>5	Lane closure utilizing portable concrete barrier as shown below.

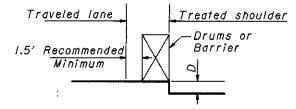
*Cones may be used for daytime only conditions. Traveled lane Traveled lane _Lane closed <u>Lane closed_</u> ∕-Drums or Drums or 1.5' Recommended Barrier Barrier Minimum 1.5' Recommended Minimum

CONDITION II DROPOFFS WITHIN GRADED SHOULDER AREA

- I. The treatments indicated below are for use in conjunction with resurfacing, planing, 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. Its 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, its maximum width shall be considered to be twelve (12) feet.

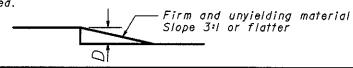
D (In.)	Treatment
≤1½	 If edgelines are present, no treatment necessary OR 2) Erect OW-I71 and OWP-I71 signs.
X ¹ /2-5	 If min. lane width requirements can be met, maintain lanes utilizing drums as shown below OR 2) If min. lane width requirements cannot be met, close adjacent lane utilizing drums OR 3) Optional Shoulder Treatment.
>5-12 Daylight only	If min. lane wid†h requirements can be met, maintain lanes utilizing drums as shown below.
>5-24	 If min. lane width requirements can be met, maintain lanes utilizing portable concrete barrier as shown below. OR 2) If min. lane width requirements cannot be met, close adjacent lane utilizing drums.
>24	Lane closure utilizing portable concrete barrier as shown below.

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



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-I5I signs required.



COS-83-12.67

<u>(6)</u>

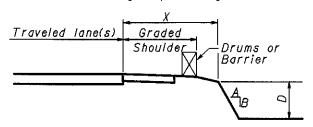
CONDITION III DROPOFFS BEYOND GRADED SHOULDER OR BACK OF CURB

I. See Note 2 under Condition II.

2. Use Chart A or B below, as applicable.

CHART A

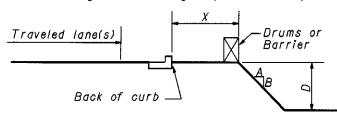
- USE FOR: I. Uncurbed Facilities.
 - 2. Curbed Facilities, where:
 - a. Curbs are less than 6" in height.
 - b. Curbs are 6" or greater in height and the legal speed is greater than 40 mph.



Χ	ס	4.40	Treatment	Required
(Êt.)	(In.)	A/B	Day	Night
0-4	Any	Any	(a)	(a)
4-30	Any	3:/ or Flatter	None	None
4-12		Steeper than 3:1	None	None
4-12	>3-512	Steeper than 3:/	Drums	Drums
4-12	>12	Steeper than 3:1	Drums	Barrier
12-20	<i>≤12</i>	Steeper than 3%	None	None
12-20	>12-524	Steeper than 3:/	Drums	Drums
12-20	>24	Steeper than 3:1	Drums	Barrier
20-30	≤24	Steeper than 3:1	None	Drums
20-30	>24	Steeper than 3:/	Drums	Barrier
>30	Any	Any	None	None

CHART B

USE FOR: Curbed facilities, where the curb is 6" or greater in height and the legal speed is 40 mph or less.



X	D	4./0	Treatment Required							
(Ft.)	(In.)	A/B	Day	Night						
0-10	<12	Any	None	Drums						
0-10	>12	Any	Drums	Drums						
>10	Any	Any	None	None						

STATE OF OHIO DEPARTMENT OF TRANSPORTATION BUREAU OF LOCATION AND DESIGN DROPOFFS IN **WORK ZONES** REVIEWED DATE DRAWN TRACED CHECKED REVISED

99 1-30-O83DROP.MGN

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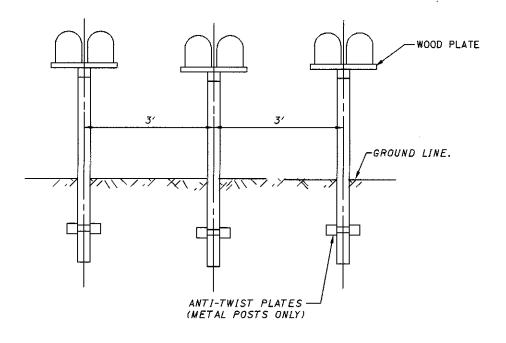


MAILBOX SUPPORT SYSTEM SINGLE

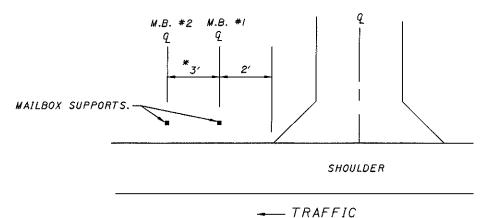
1 EACH I EACH

WOOD PLATE r ± ΤO 7/1/1/ COMPACTED EARTH 1.5' MIN. (METAL OR TIMBER) NOTE: 2.0' MAX. FOR METAL POST. CONCRETE **EMBODIMENT** NOT PERMITTED.

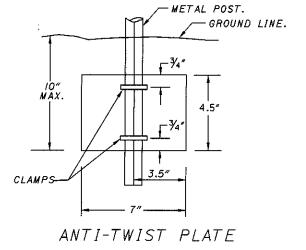
TYPICAL MAILBOX LOCATION AND MOUNTING HEIGHT



GROUP MAILBOX INSTALLATION



* ADD 3' FOR EACH ADDITIONAL MAILBOX.



ITEM SPECIAL - MAILBOX SUPPORT

DESCRIPTION

THIS WORK SHALL CONSIST OF FURNISHING AND ERECTING MAILBOX SUPPORTS AND ANY ASSOCIATED MOUNTING HARDWARE IN ACCORDANCE WITH PLAN DETAILS, AND ATTACHING AN OWNER-SUPPLIED MAILBOX AT LOCATION SPECIFIED IN THE PLAN. OR OTHERWISE ESTABLISHED BY THE ENGINEER. THIS ITEM SHALL INCLUDE THE REMOVAL OF THE EXISTING POSTS AND OTHER MATERIAL NOT CONSIDERED SALVAGEABLE AND DISPOSED OF IN ACCORDANCE WITH 202.02.

MATERIALS

WOOD POSTS SHALL BE NOMINAL 4" x 4" SQUARE OR 4" DIAMETER ROUND. ALL WOOD INCLUDING POST AND PLATES SHALL CONFORM TO 710.14.

STEEL POSTS SHALL BE NOMINAL PIPE SIZE 2" I.D., AND CONFORM TO AASHTO M 181. HARDWARE (PLATES, SCREWS, BOLTS, ETC.) SHALL

BE COMMERCIAL-GRADE GALVANIZED STEEL.

SETTING POSTS

POSTS SHALL BE SET PER THE FIRST PARAGRAPH OF 606.03 AND SHALL IN NO INSTANCE BE ENCASED IN

MOUNTING BOXES

SUPPORT HARDWARE SHALL ACCOMMODATE EITHER A SINGLE OR A DOUBLE MAILBOX INSTALLATION, AND NO MORE THAN TWO BOXES MAY BE MOUNTED ON A SINGLE POST.

THE MAILBOX SHALL BE SECURELY AND NEATLY ATTACHED BY THE CONTRACTOR TO THE NEW SUPPORT. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ATTACHMENT HARDWARE (NUTS, BOLTS, PLATES, SPACERS, AND WASHERS) AS NECESSARY TO ACCOMMODATE THE COMPLETE INSTALLATION.

IN THE ABSENCE OF A NEW BOX SUPPLIED BY THE OWNER, THE CONTRACTOR SHALL SALVAGE THE EXISTING BOX AND PLACE IT ON THE NEW SUPPORT. DUE CARE SHALL BE EXERCISED IN SUCH AN OPERATION, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY BOX DAMAGED BY IMPROPER HANDLING ON HIS PART, AS JUDGED AND DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE LOCAL POST MASTER REGARDING THE TIMING OF THE MOVEMENT OF ANY MAILBOX TO A NEW LOCATION.

BASIS OF PAYMENT

PAYMENT UNDER THIS ITEM SHALL BE LIMITED TO FINAL PERMANENT INSTALLATIONS. TEMPORARY INSTALLATIONS SHALL BE IN ACCORDANCE WITH 107.12. HOWEVER. THE SAME MATERIAL AND SIZE LIMITATIONS AS FOR PERMANENT INSTALLATIONS SHALL APPLY.

MAILBOX SUPPORTS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH. FOR THE TYPE SPECIFIED, COMPLETE IN PLACE.

PAYMENT WILL BE MADE UNDER:

ITEM UNIT DESCRIPTION SPECIAL EACH MAILBOX SUPPORT SYSTEM SINGLE SPECIAL EACH MAILBOX SUPPORT SYSTEM DOUBLE

QUANTITY

THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR THE ABOVE PURPOSE

SPECIAL SPECIAL MAILBOX SUPPORT SYSTEM DOUBLE

RPM General Notes

Materials Supplied by The Department

All materials are to be Contractor furnished. except that the Department shall supply RPM materials in the quantities shown herein to the Contractor. Pay items for the Department supplied materials shall be indicated as "Installation Only". The quantity and type of Department supplied materials are shown on sheet 15 of this plan.

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The Contractor shallpick up the department supplied RPM materials at the direction of the Project Engineer.

For some projects having quantities of less than 20 RPMs, the contractor may pick up RPM materials at the District Offices. Quantities over 20 RPMs will be picked up at the Recycler's Warehouse or as arranged with the District. The Contractor shall pick up Department supplied RPM materials at the specified location(s) for transport to the work site or to the Contractor's storage facility. The Recycled Raised Pavement Marker (RPM) Authorization Form is to be signed by the District Construction Engineer prior to pick up of the RPMs. The Contractor shall notify the District and / or the parties listed on the authorization form in writing at least five (5) calendar days prior to pick up of the department supplied materials. The contractor shall store the RPMs without damage or contamination with foreign matter. A deduction in the amount of the actual cost to the Department shall be made for materials damaged by the Contractor or for castings received by the Contractor which were not installed and were not returned to the Department.

Return of Non-performed Raised Pavement Marker Materials Supplied by the Department

Raised Pavement Marker Materials Supplied by the Department, that are non-performed shall be carefully repacked or packed in the boxes in the same style and quantity as originally received from the Department. Casting styles shall not be mixed within any one container. The Contractor shall clearly mark on the outside of each container, the color of the prismatic retro-reflector, the style of casting. Boxes shall be placed on skids or pallets in the same style (Low Profile or Conventional, reflectorised or non reflectorised) and no more than 420 RPMs (or 21 Boxes) on one skid.

Only use the boxes supplied by the Raised Pavement Marker Recycler. Boxes must be marked with the recycler's part or catalog number and the project number. The recycler's catalog or part numbers may be obtained from the Office of Traffic Engineering in Columbus, Ohio or from the recycler. Boxes not marked with the proper recycler's catalog or part numbers, and the department's project number will not be accepted at the recycler's warehouse Non Performed Materials will be returned to the location as specified by the District Construction Engineer within 30 Days of the completion of the project.

The above work including all labor, equipment and material needed to perform the work, shall be considered incidental to the respective pay item.

If the department has to repackage the RPMs correctly, the Contractor will be assessed the actual cost for repackaging the Materials by the Department's Forces.

Loading of Materials Supplied by the Department at the Recycler's Warehouse

Trucks shall have a loading height of 48 inches and be able to back up flush to the loading dock.

Trucks shall not have any obstructions or protrusions that prevent the loading by a standard forklift or lift truck.

Semi trucks or 20 foot commercial trucks are the most appropriate trucks for loads in excess of 4 pallets (one pallet = 21 boxes = 2000 LBS).

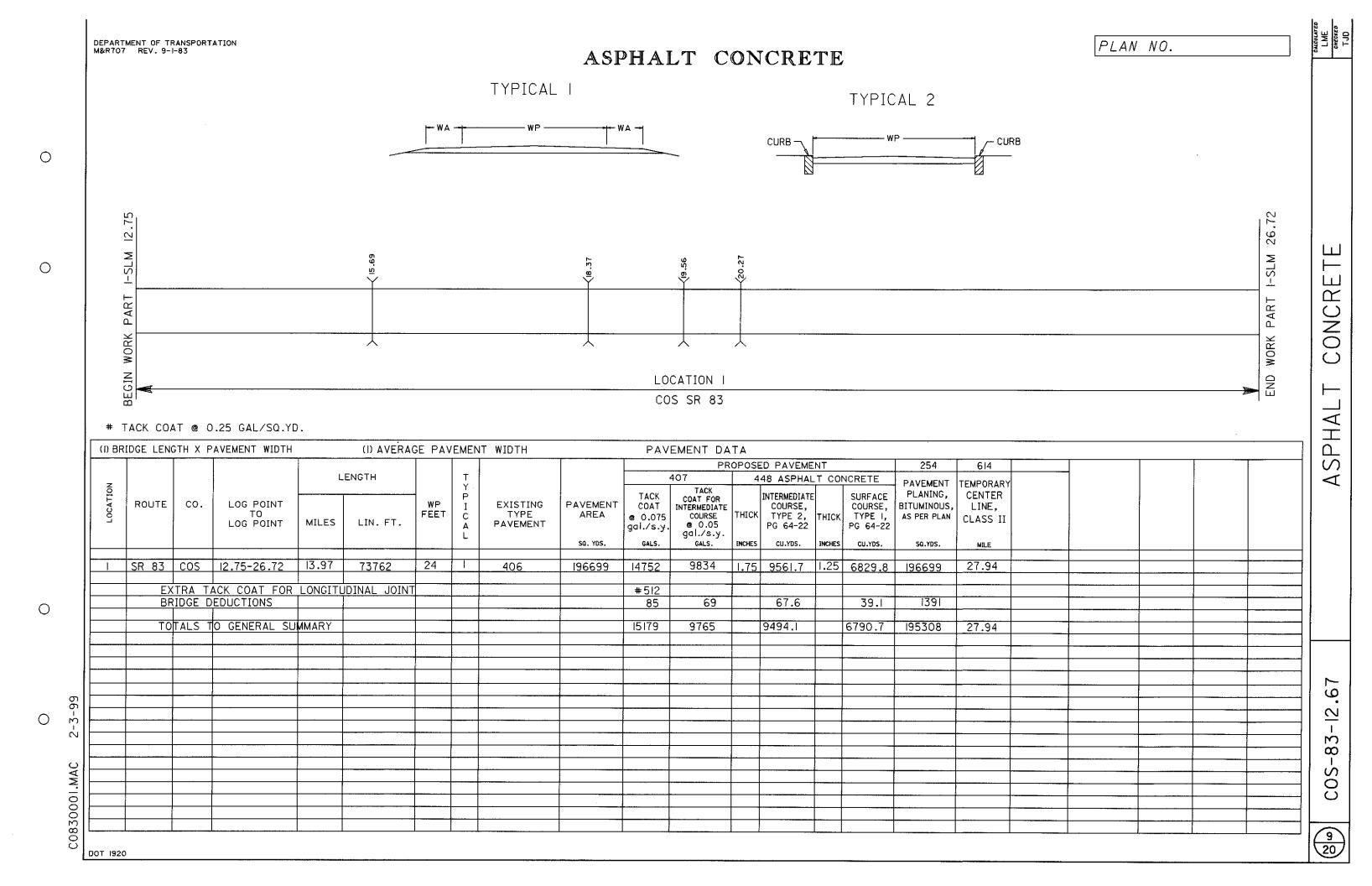
Stake body trucks are appropriate to load less than 4 pallets, provided the truck is rated for the load and the load can be safely secured for transport by chaining or strapping down as needed.

Pickup trucks are appropriate for loads of approximately one pallet, provided the pickup truck is rated for the load and the load can be safely secured for transport.

Dump trucks, tilt bed trucks, and non commercial moving vans will not be loaded by the recyclers warehouse.

The warehouse supervisor will refuse to load any truck that is unsafe to load or unsuitable for the load being placed on the truck.





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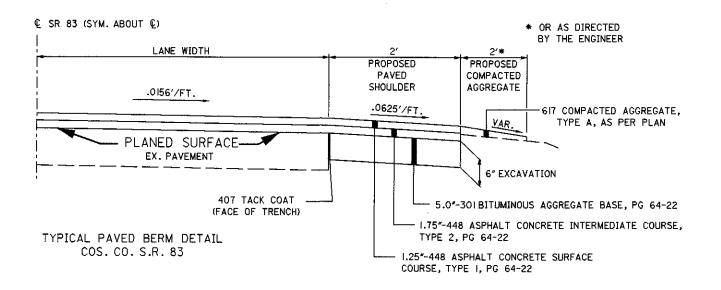
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PAVED BERM INSTALLATION SHALL BE AS FOLLOWS:
THE SHOULDER SHALL BE EXCAVATED AS PER THE NOTE ON
SHEET 4 AND THE DETAIL ON THIS SHEET. 5" OF ITEM 301
BITUMINOUS AGGREGATE BASE SHALL BE PLACED AND
COMPACTED AS DIRECTED BY ENGINEER, FOLLOWED
BY 1.75" 448 A. C. INTERMEDIATE COURSE TYPE 2, PG 64-22
AND 1.25" OF ITEM 448 ASPHALT CONCRETE SURFACE COURSE,
TYPE 1, PG 64-22. THERE MAY BE AREAS WHERE IT IS NOT
POSSIBLE TO INSTALL 2' SHOULDERS, THE PROJECT ENGINEER
MAY SUSPEND BERM INSTALLATION AT ANY TIME DUE TO FIELD
CONDITIONS. A TRENCH ROLLER, CMS 401.11, IS REQUIRED.

TYPICAL I



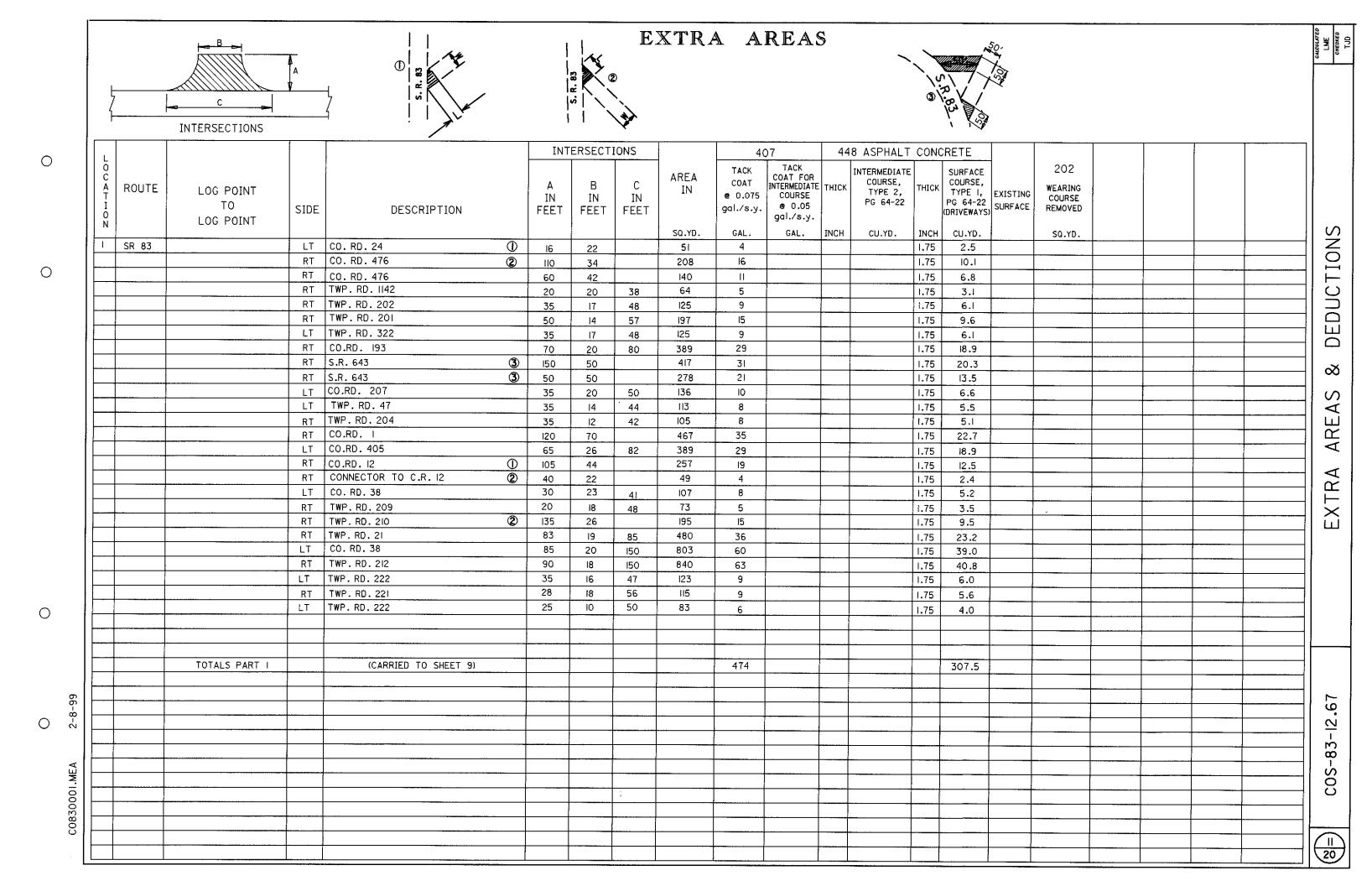
* DEDUCTIONS FOR BRIDGES

													PAVEL	SHOUL	DER D.	4TA									
							u i	w"				4	48		3	01	407	407	407		617		203		
			LE	NGTH	Ţ	PRO	OPOSE	ËD WI	HTO			ASPHALT CONCRETE			BITUMINOUS AGGREGATE BASE		TACK COAT FOR	TACK COAT FOR	TACK COAT		SHOULDER PREPARATION	WATER	EXCAVATION		*
۾ ا	ROUTE	LOG POINT TO LOG POINT	MILES	LIN.FT.	P I C A L	A	В	C	D	SHOULDER AREA SQ.YDS.	THICK INCHES	TYPE I,		TYPE 1,			COURSE	TRENCH	● 0.075 gal./s.y.	AS PER PLAN 2' X 3.5" AVER.			NOT INCLUDING EMBANKMENT CONSTRUCTION, AS PER PLAN	AVG. DEPTH IN INCHES	NOTES
_						1						CU.YD.		CU.YD.		CU.YDS.	GALS.	GALS.	GALS.	CU.YDS.	SQ.YDS.	M GALS.	CU.YD.		∔.
s	SR 83	12.75-26.72	13.97	73762		2	2			32783	1.75	1593.61	1.25	1138.30	5.0	4553.21	1640	1707	2459	3187	32783.0		4553.21	5.0	
*	DED	UCTIONS FO	DR BR	IDGES			<u>.</u>					7.52		5.37		21.48	8	8	12	15	154.7		21.7		<u> </u>
T	OTAL	S CARRIED	TO GE	ENERAL	SU	ММА	ARY					1586.09		1132.93		4531.73	1632	1699	2447	3172	32628.3		4531.5	m.	
																									<u> </u>
				:																					
-					-																				—
	*	ROUTE SR 83 * DED	ROUTE TO LOG POINT SR 83 12.75-26.72	ROUTE LOG POINT TO LOG POINT MILES SR 83 12.75-26.72 13.97 * DEDUCTIONS FOR BR	ROUTE TO LOG POINT MILES LIN.FT. SR 83 12.75-26.72 13.97 73762 * DEDUCTIONS FOR BRIDGES	ROUTE LOG POINT TO LOG POINT MILES LIN.FT. LIN.FT. SR 83 12.75-26.72 13.97 73762 1 * DEDUCTIONS FOR BRIDGES	ROUTE LOG POINT TO LOG POINT MILES LIN.FT. A SR 83 12.75-26.72 13.97 73762 1 2 * DEDUCTIONS FOR BRIDGES	ROUTE LOG POINT TO LOG POINT MILES LIN.FT. A B SR 83 12.75-26.72 13.97 73762 1 2 2 * DEDUCTIONS FOR BRIDGES	ROUTE LOG POINT TO LOG POINT MILES LIN.FT. A B C SR 83 12.75-26.72 13.97 73762 1 2 2 * DEDUCTIONS FOR BRIDGES	ROUTE LOG POINT TO LOG POINT MILES LIN.FT. L A B C D SR 83 12.75-26.72 13.97 73762 1 2 2 * DEDUCTIONS FOR BRIDGES	LENGTH	LENGTH	LENGTH PROPOSED WIDTH (FT.) LOG POINT TO LOG POINT MILES LIN.FT. LA B C D SHOULDER AREA SQ.YDS. SR 83 12.75-26.72 13.97 73762 1 2 2 32783 1.75 1593.61 * DEDUCTIONS FOR BRIDGES 7.52	LENGTH PROPOSED WIDTH CONCRETE LOG POINT TO LOG POINT HOLDER AREA SQ.YDS. SR 83 12.75-26.72 13.97 73762 1 2 2 32783 1.75 1593.61 1.25 * DEDUCTIONS FOR BRIDGES ASPHALT CONCRETE THICK INTERMEDIATE COURSE, TYPE I, PG 64-22 CU.YD. THICK COURSE, TYPE I, PG 64-22 CU.YD. 7 PROPOSED WIDTH CONCRETE A B C D SHOULDER AREA SQ.YDS. THICK INTERMEDIATE COURSE, TYPE I, PG 64-22 CU.YD. TO LOG POINT	Length	LOG POINT TO MILES LIN.FT. A B C D SHOULDER AREA SO.YDS. THICK INCHES TYPE I, PG 64-22 THICK INCHES TYPE I, PG 64-22 THICK INCHES THICK INCHES THE	Length L	LENGTH LENGTH LENGTH LOG POINT TO LOG POINT MILES LIN.FT. L A B C D SHOULDER AREA SO.YDS. SHOULDER AREA SO.YDS. THICK INTERMEDIATE COURSE, TYPE I, PG 64-22 THICK INCHES THICK INCHES TYPE I, PG 64-22 THICK INCHES TYPE I, PG 64-22 THICK INCHES TYPE I, PG 64-22 THICK INCHES TYPE I, PG 64-22 THICK INCHES TYPE I, PG 64-22 THICK INCHES THICK INCHES TYPE I, PG 64-22 THICK INCHES TYPE I, PG 64-22 THICK INCHES THICK INCHES TYPE I, PG 64-22 THICK INCHES THICK INCHES TYPE I, PG 64-22 THICK INCHES THICK INCHES TYPE I, PG 64-22 THICK INCHES TYPE I, PG 64-22 THICK INCHES THICK INC	LENGTH	Length	LENGTH LENGTH LENGTH LENGTH PROPOSED WIDTH T Y PROPOSED WIDTH T Y P PROPOSED WIDTH T CONCRETE ASPHALT CONCRETE ASPHALT COURSE THICK SURFACE COURSE TYPE I, PG 64-22 TYPE I, PG 64-22	LENGTH	Length L	Length Length Proposed width (FT.) Pr	LENGTH LE

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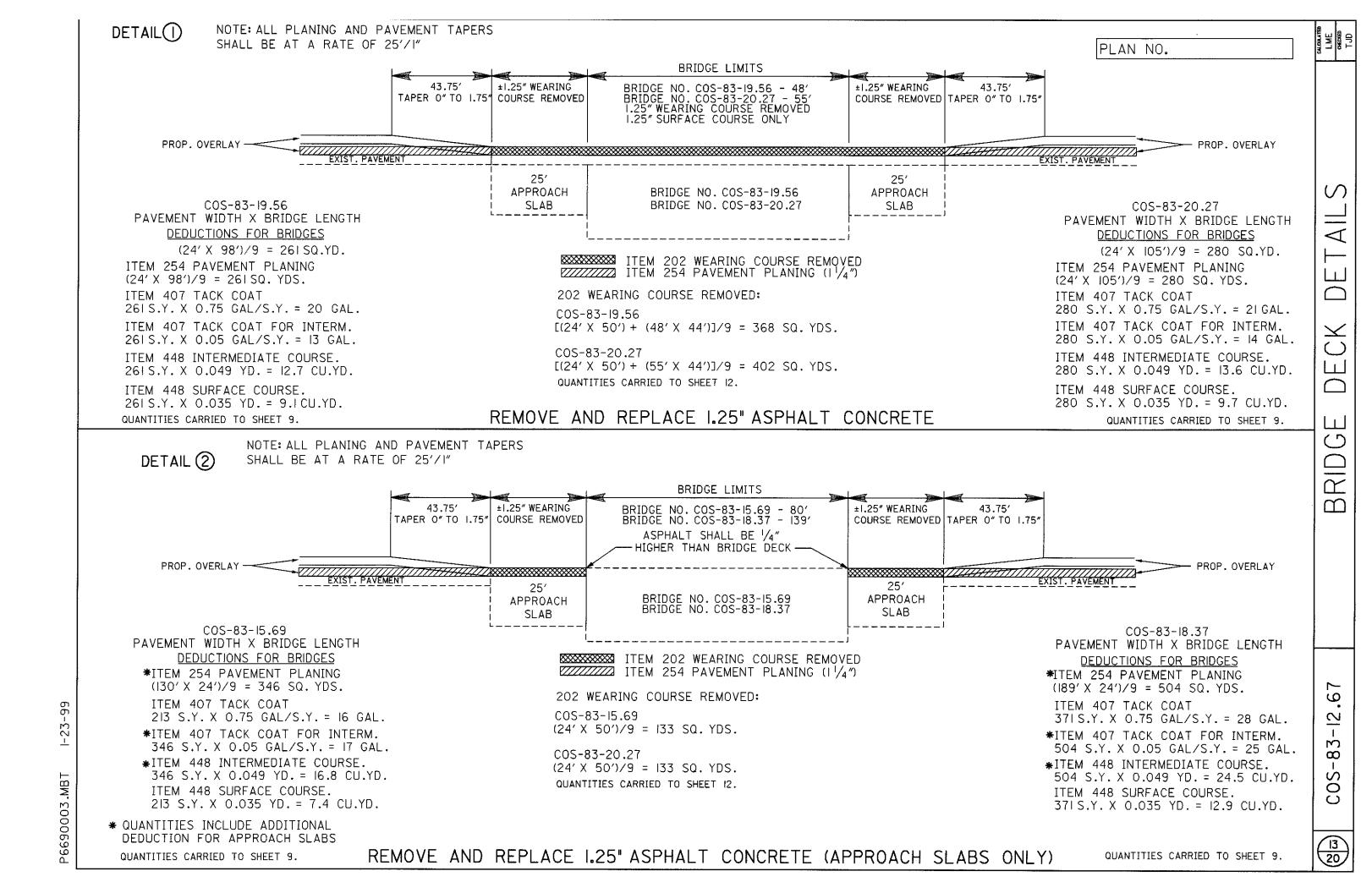
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COS-83-15.69: REMOVE AND REPLACE 1.25" ASPHALT CONCRETE (APPROACH SLABS ONLY) COS-83-18.37: REMOVE AND REPLACE 1.25" ASPHALT CONCRETE (APPROACH SLABS ONLY) COS-83-19.56: REMOVE AND REPLACE 1.25" ASPHALT CONCRETE COS-83-20.27: REMOVE AND REPLACE 1.25" ASPHALT CONCRETE

							· · · · · · · · · · · · · · · · · · ·		BRID	GE DECK DA	TA						****	
L					202	BR:	IDGE DECK REP	AIR :		407		448 ASPHA	LT CON	NCRETE			512	
000	COUNTY, ROUTE,	LENGTH (BRIDGE	WIDTH	BRIDGE DECK	WEARING COURSE REMOVED		ATEX MODIFIED ENSE CONCRETE		TACK COAT	TACK COAT FOR INTERMEDIATE COURSE	THICK	INTERMEDIATE COURSE,	E THICK	SURFACE COURSE,	254 GRINDING PORTLAND	STEEL DRIP	DECK W. MEMBRANE WATERPROOFING	ATERPROOFING MEMBRANE WATERPROOFING
IO	BRIDGE NO. LIMITS) AREA DEPTI	LIMITS)	WIDTH	AREA	DEPTH VAR."	" THICK OVERLAY	VARIABLE THICKNESS OVERLAY	FULL-DEPTH REPAIR	@ 0.075 GAL./S.Y.	@ 0.05 GAL./S.Y.	771201	TYPE 2, PG 64-22		TYPE I, PG 64-22	CEMENT CONCRETE PAVEMENT	STRIP	SHEET TYPE 3	WATER ROOTING
N		sq.yds.	SQ.YDS.	CU.YDS.	CU.YDS.	GAL.	GAL.	INCH	CU.YDS.	INCH	CU.YDS.	SQ.YD.	SQ.FT.	. so.yds.	SQ.YDS.			
SR83	COS-83-15.69	80	42.6	378.6	133.0				10					4.6				
SR83	COS-83-18.37	139	42.6	657.9	133.0				10					4.6				•
SRRZ	COS-83-19.56	48	44		368.0				28					12.8				<u> </u>
														12.0				
SR83	COS-83-20.27	55	44	268.9	402.0				30					14.0				
	TOTALS T	O GENEF	AL SL	MMARY	1036.0				78					36.0				
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LOCATION SUB-SUMMARY

DETAIL	
I	TAPERED ACCELERATION LANE
2	DECELERATION LANE
3	MULTILANE DIVIDED/ CONTROLLED ACCESS

DETAIL	
4	4 LANE DIVIDED TO 2 LANE TRANSITION
5	4 LANE UNDIVIDED TO 2 LANE TRANSITION
6	ONE LANE BRIDGE
7	STOP APPROACH
8	THRU APPROACH
9	TWO WAY LEFT TURN LANE

DETAIL	
10	APPROACH W/LT. TURN LANE
- 11	HORIZONTAL CURVE 12m (NOTE 2)
12	HORIZONTAL CURVE ALT. (NOTE 3)
GAP	CENTERLINE AT 24m TYP.

LON		LO	CATION		D E		I	TEM QUA	NTITIES		PRIS	MATIC RE	TRO-REFLECTOR	COLORS	
C U A M T B			S.L.M MILES	•	T A		INS	STALLATI T RPM	ON ONLY	PRISMATIC	ONE	-WAY	TWO-WAY		REMARKS
I E O R N	COUNTY	ROUTE	FROM	ТО	I L	RPM	RPM	CASTING	PRISMATIC RETRO- REFLECTOR	RETRO- REFLECTOR	WHITE	YELLOW	YELLOW/ WHITE/ YELLOW RED	YELLOW/ RED	
	COS	SR83	12.75	12.83	7						6		5		FINISH STOP AT US 36
	0.00	6563	10 07												EL l@ 40' & 5 @ 80': CL 5 @ 80"
	COS	SR83	12.83	13.58	GAP		50						50		
	CUS	SR83	13.58	13.74			21						21		PC 13.58 PT 13.74 L=845' DEG 9
	005	SR83	13.74	<u> 13.97</u>			33						33		PC 13.74 PT 13.97 L=1320' DEG 6
	005	SR83	13.97	18.08	GAP		271						271		
	<u>COS</u>	SR83	18.08	18.22			18						18		PC 18.08 PT 18.22 L=739' DEG 6
	<u> </u>	SR83	18.22	19.07	GAP		56			-			56		
	COS	SR83	19,07	19.29	12		39						39		PC 19.16 PT 19.23 L=370'DEG 14
	COS	SR83	19.29	<u>19.42</u>	12		23						23		PC 19.29 PT 19.33 L=211' DEG 13
-	COS	SR83	19.42	19.69	GAP		18						18		
	COS	<u>SR83</u>	19.69	19.86	12		29		-				29		PC 19.78 PT 19.83 L=264' DEG 11
	COS	SR83	19.86	19.98	12		26						26		PC 19.86 PT 19.94 L=422′ DEG 11
	COS	SR83	19.98	20.09			14						4		PC 19.98 PT 20.09 L=581' DEG 8
	COS	SR83	20.09	20.31	GAP		<u> 15</u>						15		
	COS	SR83	20.31	20.36			6						6		PC 20.31PT 20.36 L=264' DEG 8
	COS	SR83	20.36	20.69	GAP		22						22		
	COS	SR83	20.69	20.72			4			,			4		PC 20.69 PT 20.72 L=158' DEG 9
	COS	SR83	20.72	20.87	12		28						28		PC 20.72 PT 20.78 L=317' DEG 13
	COS	SR83	20.87	22.48	GAP		106						106		
	COS	SR83	22.48	22.58			13		· · · · · · · · · · · · · · · · · · ·				13		PC 22.48 PT 22.58 L=528' DEG 6
	COS	SR83	22,58	22.89	GAP		20						20		
	COS	SR83	22.89	23.06	[12]		<u> 31</u>	,					31		PC 22.98 PT 23.04 L=317' DEG 14
	COS	SR83	23.06	23.11			6						6		PC 23.06 PT 23.11L=264′DEG 9
		TOTAL	THIS SHE	ET			860				6		854		
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RPM LOCATION SUB-SUMMARY

LOCATION SUB-SUMMARY

DELATE	
4	4 LANE DIVIDED TO 2 LANE TRANSIT
5	4 LANE UNDIVIDED TO 2 LANE TRAN
6	ONE LANE BRIDGE
7	STOP APPROACH
8	THRU APPROACH
9	TWO WAY LEFT TURN LANE

DETAIL	
10	APPROACH W/LT. TURN LANE
II	HORIZONTAL CURVE 12m (NOTE 2)
12	HORIZONTAL CURVE ALT. (NOTE 3)
GAP	CENTERLINE AT 24m TYP.

DETAIL	
_	TAPERED ACCELERATION LANE
2	DECELERATION LANE
3	MULTILANE DIVIDED/ CONTROLLED ACCESS

L 0 1		LO	CATION		D			EM QUA		·	PRIS	MATIC RE	TRO-REFL	ECTOR	COLORS	
C L A N T B			S.L.M. MILES	•	T		INS	TALLATI RPM	ON ONLY	PRISMATIC	ONE	-WAY	TW	O-WAY	į	REMARKS
I E	COUNTY	ROUTE	FROM	то	ÎL	RPM	RPM	CASTING	PRISMATIC RETRO- REFLECTOR	RETRO- REFLECTOR	WHITE	YELLOW	YELLOW/ YELLOW	WHITE/ RED	YELLOW/ RED	
	COS	SR83	23.11	23.22	GAP		7						7			
	COS	SR83	23.22	23.30	H											PC 23.22 PT 23.30 L=422′ DEG 8
	COS	SR83	23.30	23.37	GAP		4						4			
	COS	SR83	23.37	23.41			5						5			PC 23.37 PT 23.41L=211' DEG 7
	1005	SR83	23.41	23.58	12		33						33			PC 23.42 PT 23.50 L=422' DEG II
	<u> COS</u>	SR83	23.58	23.68	12		21						21			PC 23.58 PT 23.64 L=317' DEG 13
	1 000	SR83	23.68	23.82	12		28						28			PC 23.68 PT 23.75 L=370' DEG II
	LU3	SR83	23.82	23.87			13			1			13			PC 23.82 PT 23.87 L=528' DEG 9
	COS	SR83 SR83	23.87	24.52 24.74	GAP		43 29						43			DC 24 F2 DT 24 74 L-UC4/ DFC 0
	005	SR83	24.52	25.18	GAP		29						29	-		PC 24.52 PT 24.74 L=1164' DEG 9
	COS	SR83	25.18	25.46	12		54		:				29 54			PC 25.27 PT 25.40 L=686′ DEG I3
	1005	SR83	25.46	25.59	12		25						25			<u>PC 25.27 PT 25.40 L=686′ DEG 13 </u> PC 25.46 PT 25.52 L=317′ DEG 22
	COS	SR83	25.59	25.76	12		33						33			PC 25.59 PT 25.67 L=422' DEG 12
	cos	SR83	25.76	25.84	GAP		5						5			1 0 23.33 1 1 23.01 E-122 DEO 12
	cos	SR83	25.84	26.06	12		41						41			PC 25.93 PT 26.02 L=475' DEG 12
İ	COS	SR83	26.06	26.17	12		24						24			PC 26.06 PT 26.13 L=370' DEG 12
	COS	SR83	26.17	26.34	12		33						33			PC 26.17 PT 26.25 L=422' DEG 10
	COS	SR83	26.34	26.65	12		57		, , , , , , , , , , , , , , , , , , , ,				57			PC 26.44 PT 26.56 L=634' DEG IO
	COS	SR83	26.65	26.72	GAP		5						5			END HOLMES COUNTY
10	AL IH	S SHEE	CUEET				500						500			
10	AL PRI	VIOUS	2HFF			<u> </u>	860		"		6		854			
TO	AL CA	RRIED 1	O GENER	AL SUMM	ARY		1360	<u>.</u>			6		1354			
				10 mm 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						-						
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SUB-SUMMARY

RPM LOCATION

CENTER LINE SUB-SUMMARY

QUANTITIES INCLUDE CL AROUND OUTSIDE OF PAINTED ISLAND

LOC			S 1	M .	CENT QUA	ER LINES ANTITIES	PAR	TICIPA	TION 7	TYPE	TOTAL	
A T T	co.	ROUTE			TOTAL	EQUIVALENT	IRG	FG	RSG	NON FED	CENTER LINE	REMARKS
Ŏ N			FROM	ТО	MILES	SOLID LINE	ING	FG	КЗС	STATE	MILES	
	cos	SR 83	12.750	26.728	13.978	24.076					13.978	US 36 TO HOLMES CO. LINE
							ТОТ	AL TO GE	NERAL SI	JMMARY	13.978	
	[<u> </u>			
											<u> </u>	
			· · · · · · · · · · · · · · · · · · ·									
											•	
L	<u> </u>									<u>t </u>		

EDGE LINE SUB-SUMMARY

0 0	1		S.L	. M	WHITE	EDGE LIN	IE QU.	YELLOW	' EDGE LIN	NE QU.	PART	TICIP.	ATION	I TYPE		
A T I O N	CO.	ROUTE	FROM	***************************************	TOTAL MILES	HIGHWAY	RAMP	TOTAL MILES	HIGHWAY	RAMP	IRG	FG	1	NON FED STATE	TOTAL MILES	REMARKS
	cos	SR 83	12.75	26.72	27.94	27.94									27.94	US 36 TO HOLMES CO. LINE
										TOTAL	TO GEN	ERAL S	JMMARY		27.94	
			[:											

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SUMMARY

SUB

LINE

/EDGE

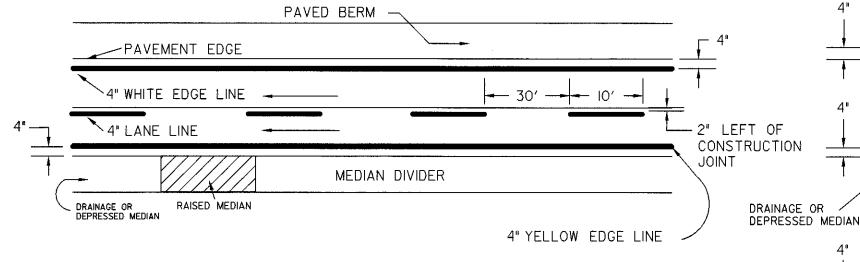
CENTER

PAVEMENT MARKING SUB-SUMMARY

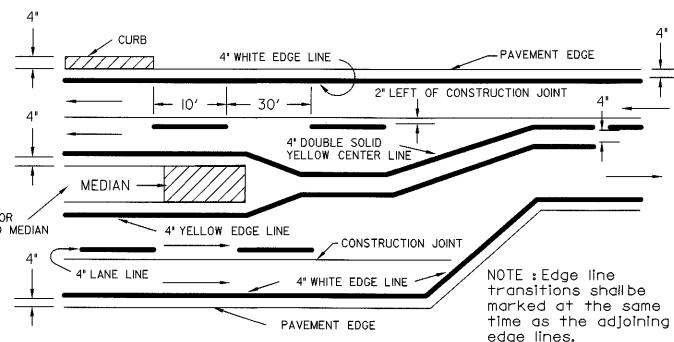
ō L						644	THERMOP	_ASTI	С						
č [24" TRANSVERSE	STOP LINE	12" CROSSWALK (8" CROSSWALK	WORD OF	N IT	L	ANE ARRO	ws	DO	TED	8"	
T T	LOCATION	SIDE OR S.L.M.	LINES WHITE YELLOW	24"	WHITE	WHITE	ONLY S0	HOOL	LEFT	JRN RIGHT	THRU	WHITE	NES YELLOW	CHANNEL LINE	REMARKS
ò F			LIN.FT. LIN.FT.	LIN.FT.	LIN.FT.	LIN.FT.	EACH EACH EAC	HEACH	EACH	EACH	EACH	LIN.FT.	LIN.FT.	LIN.FT.	
N															
₹ 83	CANEL BOAT														
0.7	CO DD 04	1,55													
₹ 83 ₹ 83	CO.RD. 24 CO.RD. 476 (I)	LEFT RIGHT		16											PLACE AS DIRECTED
₹ 83	CO.RD. 476 (1)	RIGHT		30				-							PLACE AS DIRECTED
83	TWP. II42	RIGHT		24 16											PLACE AS DIRECTED
83	TWP. 202	RIGHT		18				+ +							PLACE AS DIRECTED
83	TWP. 201	RIGHT		22			 	+						-	PLACE AS DIRECTED PLACE AS DIRECTED
83	TWP. 322	LEFT		22				+ +							PLACE AS DIRECTED
83	CO. RD. 193	RIGHT		30			·	+			 				PLACE AS DIRECTED
83	SR 643	RIGHT		18											PLACE AS DIRECTED
83	CO. RD. 207	LEFT		18									1		PLACE AS DIRECTED
83	TWP. 47	LEFT		16											PLACE AS DIRECTED
83	TWP. 204	RIGHT		18											PLACE AS DIRECTED
83	CO. RD. I	RIGHT		36											PLACE AS DIRECTED
83	CO.RD. 405	LEFT		30	<u> </u>										PLACE AS DIRECTED
83	CO.RD. 12	RIGHT		25	ļ				· · · · · · · · · · · · · · · · · · ·						PLACE AS DIRECTED
83 83	CONNECTOR TO RD.12 CO.RD. 38	RIGHT LEFT		12	-										PLACE AS DIRECTED
83	TWP. RD. 209	RIGHT		20											PLACE 19' FROM SR 13 ©
83	TWP. RD. 210	RIGHT		15	<u> </u>			 							PLACE 21' FROM SR 83 C
83	TWP. RD. 21	RIGHT		30 24				+							PLACE 18' FROM SR 83 €
83	CO.RD. 38	LEFT	<u> </u>	48	 			-		,====					PLACE 16' FROM SR 83 ©
83	TWP. RD. 212	RIGHT		40	 								[PLACE 25' FROM SR 83 C
83	TWP. RD. 222	LEFT		16	 							,,,	<u> </u>		PLACE 22' FROM SR 83 €
83	TWP. RD. 221	RIGHT		24											PLACE 19' FROM SR 83 C
83	TWP. RD. 222	LEFT		12	 										PLACE 18' FROM SR 83 € PLACE 18' FROM SR 83 €
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Pavement Marking Typical Details

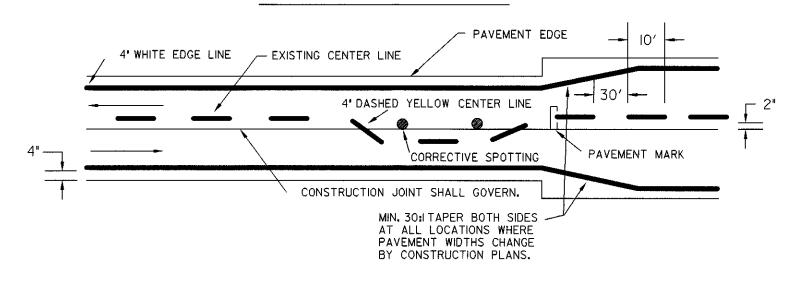
MULTILANE DIVIDED & UNDIVIDED HIGHWAY MARKINGS



FREEWAY & EXPRESSWAY MAINLINE MARKINGS



TWO LANE MARKINGS



NOTES:

- I. 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:Iratio between length of gap and length of dash.

18 20

C0830001.PMT

GENERAL SUMMARY

										JENER	AL	SUN		HY	
					-					:	ITEM	ITEM	GRAND TOTAL	UNIT	DESCRIPTION
3	4	5	9	10		12	15	16	17			EXT. NO.			
		400.0				1036.0					202	23500	1436.0	SQ.YARD	WEARING COURSE REMOVED
55											202	54101	1555	EACH	RAISED PAVEMENT MARKER REMOVED FOR STORAGE, AS PER PLAN
				4531.5							203	12001	4531.5	CH YARD	EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION, AS PER PLA
												12001			
	500										253	01001	500	SQ.YARD	PAVEMENT REPAIR, AS PER PLAN
_			195308								254	01001		· ·	PAVEMENT PLANING, BITUMINOUS, AS PER PLAN
5											254	01600	9765	SQ.YARD	PATCHING PLANED SURFACE
				4531.3							301	46000	4531.3	CU. YARD	BITUMINOUS AGGREGATE BASE, PG 64-22
		18	15197	4146	474	78					407	10000	19913		TACK COAT
_			9765	1632							407	14000	11397	GALLON	TACK COAT FOR INTERMEDIATE COURSE
			9494.1	1586.1							448	46050	IIORO 2	CLLYARD	ASPHALT CONCRETE INTERMEDATE COURSE, TYPE 2, PG 64-2
1	104.8		6790.7		307.5	36.0	<u> </u>	<u> </u>			448	47020			ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG 64-22
1	91.4			110210	001.0	00.0					448	48020	91.4	+	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG 64-22
															(DRIVEWAYS)
_	1500										606	17000	IFOO	I TAL CT	DATCING TYPE E GUADDDAY
+	1500										606	17000	1500	LIN.FI.	RAISING TYPE 5 GUARDRAIL
1					:						614	12460	124	EACH	WORK ZONE MARKING SIGN
			27.94								614	21400	27.94	MILE	TEMPORARY CENTER LINE, CLASS II
		7.6									614	13000	7.6	CU. YARD	BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC
				3172	7						617	10101	3172	CU.YARD	COMPACTED AGGREGATE, TYPE A, AS PER PLAN
				32628.3							617	20000			SHOULDER PREPARATION
_										,					
\dashv							1360				621	00200	1360	EACH	RAISED PAVEMENT MARKER, INSTALLATION ONLY
+			ŧ			5		27.94		<u> </u>	642	00100	27.94	MILE	EDGE LINE, TYPE I
								13.978			642	00300	13.978	MILE	CENTER LINE, TYPE I
-									F00		644	00500	F00	I ÎN ET	STOP LINE
+									580		077		580	LIN.FI.	SIOF LINE
\Box									-						

PLAN NO.

SPECIAL 6830000	7	ITEM	ITEM EXT. NO.	GRAND TOTAL	UNIT	DESCRIPTION
SPECIAL 69050200 EACH MAILBOX SUPPORT SYSTEM, DOUBLE		SPECIAL	69050100	1	EACH	MAILBOX SUPPORT SYSTEM, SINGLE
623 10000 LUMP CONSTRUCTION LAYOUT STAKES 624 10000 LUMP MOBILIZATION 806 160 0 3 MONTH FIELD OFFICE, TYPE B 1						
623 10000 LUMP CONSTRUCTION LAYOUT STAKES 624 10000 LUMP MOBILIZATION 806 160 0 3 MONTH FIELD OFFICE, TYPE B 1						
623 10000 LUMP CONSTRUCTION LAYOUT STAKES 624 10000 LUMP MOBILIZATION 806 160 0 3 MONTH FIELD OFFICE, TYPE B 1					,	
623 IOOOO LUMP CONSTRUCTION LAYOUT STAKES 624 IOOOO LUMP MOBILIZATION 806 IGO O 3 MONTH FIELD OFFICE, TYPE B						
623 IOOOO LUMP CONSTRUCTION LAYOUT STAKES 624 IOOOO LUMP MOBILIZATION 806 IGO O 3 MONTH FIELD OFFICE, TYPE B		614	11000		LUMP	MAINTAINING TRAFFIC
624 10000 LUMP MOBILIZATION 806 160∮0 3 MONTH FIELD OFFICE, TYPE B FIELD OFFICE, TYPE B FIELD OFFICE, TYPE B FIELD OFFICE, TYPE B FIELD OFFICE, TYPE B FIELD OFFICE, TYPE B FIELD OFFICE, TYPE B FIELD OFFICE, TYPE B FIELD OFFICE, TYPE B FIELD OFFICE, TYPE B FIELD OFFICE, TYPE B FIEL						
806 16010 3 MONTH FIELD OFFICE, TYPE B						
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Column						
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