MIA - USR 36 - 11.30
070224 PID - 75478
Dist 7 5/2/2007

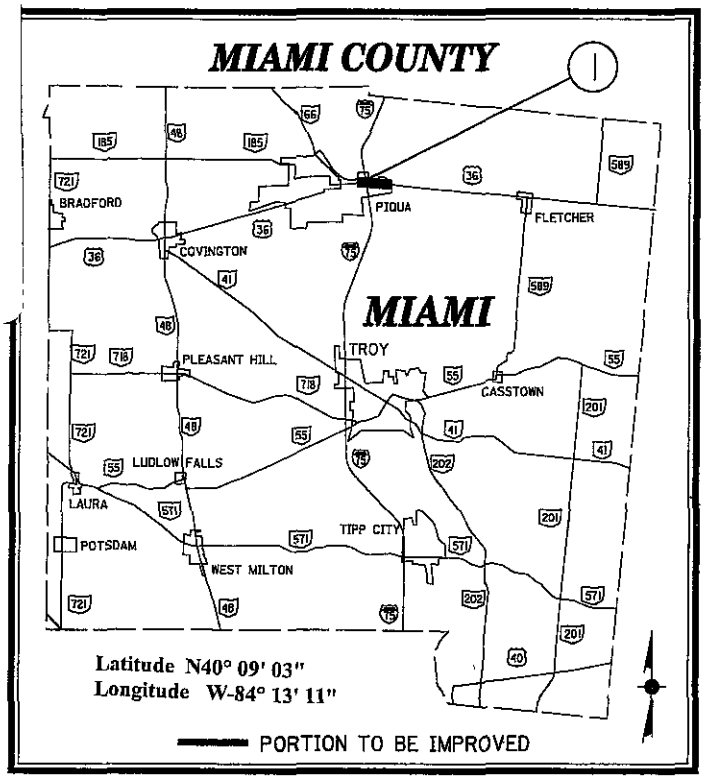
State Job No. 477810
Project No.

PID No. 75478
FED. No. E 035 (318)

STATE OF OHIO
OHIO DEPARTMENT OF TRANSPORTATION
MIA-36-11.30
CITY OF PIQUA

PLAN PREPARED BY: District D7

LOCATION MAP



MAINTENANCE
TWO-LANE RESURFACING

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

2005 SPECIFICATIONS

The Standard 2005 Specifications of the State of Ohio Department of Transportation, including changes and supplemental specifications listed in the plans and the proposal shall govern these improvements.

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

2-2-07 — Rex Dickey, P.E., P.S. / PRW
Date Approved — District Deputy Director

2-12-07 — Keith C. Swearingin PE
Date Approved — Director, Department of Transportation

PROJECT DESCRIPTION: The work proposed by this project consists of pavement planing and resufacing the existing U. S. Route 36 roadway with Item 446, Asphalt Concrete, as set forth in these plans.

(1) MIA-36-11.30 (Great Miami River Bridge to the East Corporation Limits of the City of Piqua at SLM 12.63)

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

1 - Title Sheet
2 & 3 - Pavement Data
4 - Approach Typicals
5 thru 7 - General Notes
8 & 9 - Bridge Sheets
10 & 11 - General Summary

ENGINEER'S SEAL

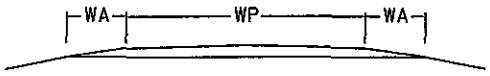
STATE OF OHIO
PAUL ROBERT NARTKER
No. 47338
REGISTERED
PROFESSIONAL ENGINEER

Signed Paul Robert Nartker
Date 2-2-07

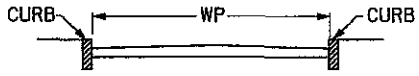
STANDARD DRAWINGS						SUPPLEMENTAL SPECIFICATIONS	
BP-3.1	7-16-04	MT-97.10	9-5-06	TC-42.20	7-16-04		
		MT-97.11	9-5-06	TC-52.10	4-20-01	800	1-19-07
DM-4.3	7-19-02	MT-99.20M	1-30-95	TC-52.20	4-20-01		
DM-4.4	7-19-02	MT-105.10	10-18-02	TC-65.10	1-21-05	832	4-25-06
		MT-105.11	10-18-02	TC-65.11	1-21-05		
MT-35.10	4-20-01			TC-71.10	1-21-05		
MT-95.30	9-5-06	TC-41.20	1-19-01	TC-82.10	4-19-02		

PLAN NO.

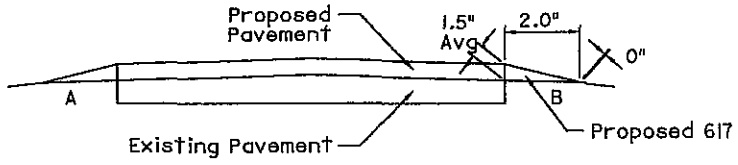
TYPICAL 1



TYPICAL 2



Item 407, Tack Coat, calculated at 0.10 gallon per square yard
Apply 0.075 gallon per square yard for Intermediate Course
Apply 0.025 gallon per square yard for Surface Course



TYPICAL - COMPACTED AGGREGATE

PAVEMENT DATA

ROUTE	LOG POINT TO LOG POINT SLM	LENGTH MILE	LENGTH FEET	AVG. PAVEMENT WIDTH FEET	TYPICAL	PAVEMENT AREA SQ. YD.	PROPOSED PAVEMENT 407 TACK COAT @0.075 gal./sq. yard GALLONS	ASPHALT CONCRETE 448 THICK INCH AVG.	448 CUBIC YARD	446 APP THICK INCH	446 APP CUBIC YARD	448 THICK INCH	448 CUBIC YARD	254 PAVEMENT PLANING 1.5"-2.0" SQ. YD.	617 APP COMPACTED AGGREGATE THICK INCH AVG.	617 APP COMPACTED AGGREGATE CUBIC YARD
US 36	11.30 - 1132	0.02	106	56.0	2	660	66	0.5	9	1.5	28			660		
	11.32 - 11.42	0.10	528	(Suspend Work across Structure # MIA-36-1132)												
	11.42 - 11.46	0.04	211	56.0	2	1313	131	0.5	18	1.5	52			1313		
	11.46 - 11.49	0.03	158	61.0	2	1071	107	0.75	22	1.5	45			1071		
	11.49 - 11.57	0.08	422	73.0	1	3423	342	0.75	71	1.5	143			3423	1.5	8
	11.57 - 11.60	0.03	158	60.0	1	1053	105	0.75	22	1.5	44			1053	1.5	3
	11.60 - 11.64	0.04	211	36.0	1	844	84	0.75	18	1.5	35			844	1.5	4
	11.64 - 11.73	0.09	475	48.0	1	2533	253	0.75	53	1.5	106			2533	1.5	9
	11.73 - 11.76	0.03	158	52.0	1	913	91	1.25	32	1.75	44			913	1.5	3
	11.76 - 11.81	0.05	264	52.0	2	1525	153	1.5	64	1.75	74					
	11.81 - 11.85	0.04	211	52.0	1	1219	122	1.25	42	1.75	59			1219	1.5	4
	11.85 - 11.93	0.08	422	110.0	1	5158	516	0.75	108	1.5	215			5158	1.5	8
	11.93 - 11.95	0.02	106	92.0	1	1084	108	0.75	23	1.5	45			1084	1.5	2
	11.95 - 12.39	0.44	2323	76.0	1	19616	1962	0.5	273	1.5	817			19616	1.5	43
	12.39 - 12.45	0.06	317	67.0	1	2360	236	0.5	33	1.5	98			2360	1.5	6
	(Continued on Page 3)															

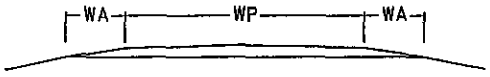
CALCULATED BY
CHECKED BY

MIAMI COUNTY
MIA-36-11.30

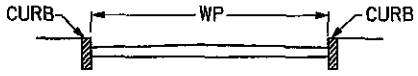
PAVEMENT DATA

PLAN NO.

TYPICAL 1



TYPICAL 2



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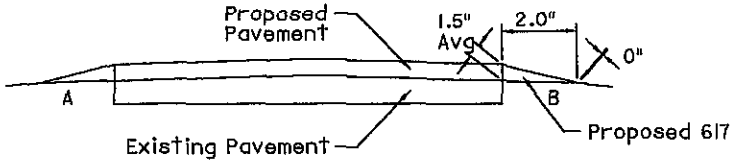


TYPICAL - COMPACTED AGGREGATE

PAVEMENT DATA

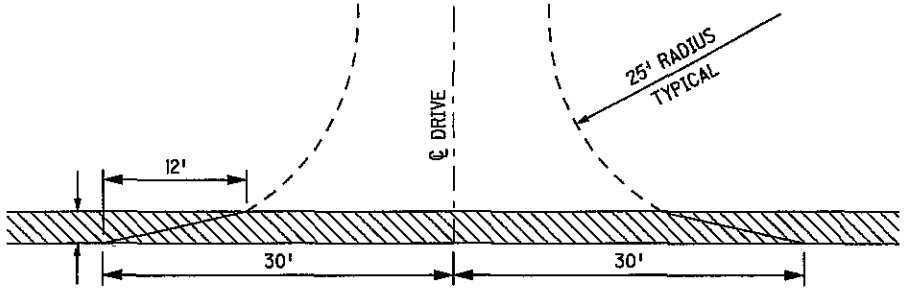
ROUTE	LOG POINT TO LOG POINT SLM	LENGTH MILE	LENGTH FEET	AVG. PAVEMENT WIDTH FEET	TYPICAL	PAVEMENT AREA SQ. YD.	PROPOSED PAVEMENT 407 TACK COAT @0.075 gal./sq. yard GALLONS	ASPHALT CONCRETE 448 THICK INCH AVG.	448 CUBIC YARD	446 APP THICK INCH	446 APP CUBIC YARD	448 THICK INCH	448 CUBIC YARD	254 PAVEMENT PLANING 1.5"-2.0" SQ. YD.	617 APP COMPACTED AGGREGATE THICK INCH AVG.	617 APP COMPACTED AGGREGATE CUBIC YARD
(Continued from Page 2)																
US 36	12.45 - 12.52	0.07	370	55.0	1	2261	226	0.5	31	1.5	94			2261	1.5	7
	12.52 - 12.63	0.11	581	46.0	1	2970	297	0.5	41	1.5	124			2970	1.5	11
	(11.57 - 11.69 WB)	(0.12)	(634)	61.0	1	4297	430	0.75	90	1.5	179			4297	1.5	12
	(11.69 - 11.71 WB)	(0.02)	(106)	38.0	1	448	45	0.75	9	1.5	19			448	1.5	2
	(11.71 - 11.76 WB)	(0.05)	(264)	52.0	1	1525	153	1.25	53	1.75	74			1525	1.5	5
	(11.76 - 11.81 WB)	(0.05)	(264)	52.0	2	1525	153	1.5	64	1.75	74					
	(11.81 - 11.85 WB)	(0.04)	(211)	52.0	1	1219	122	1.25	42	1.75	59			1219	1.5	4
Intersections (10)						2111	211	0.75	44	1.5	88			2111		
Drives (47)						752	75	0.75	16	1.5	31			752		
Crossovers						176	18	1.25	6	1.5	7			176		
Total U. S. Route 36		1.33	7021			60056	6006		1184		2554			57006		131

CALCULATED BY
CHECKED BY

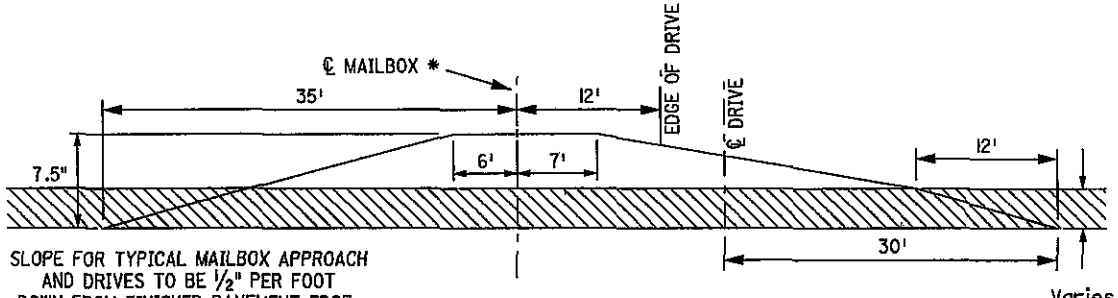
MIAMI COUNTY
MIA-36-11.30

PAVEMENT DATA

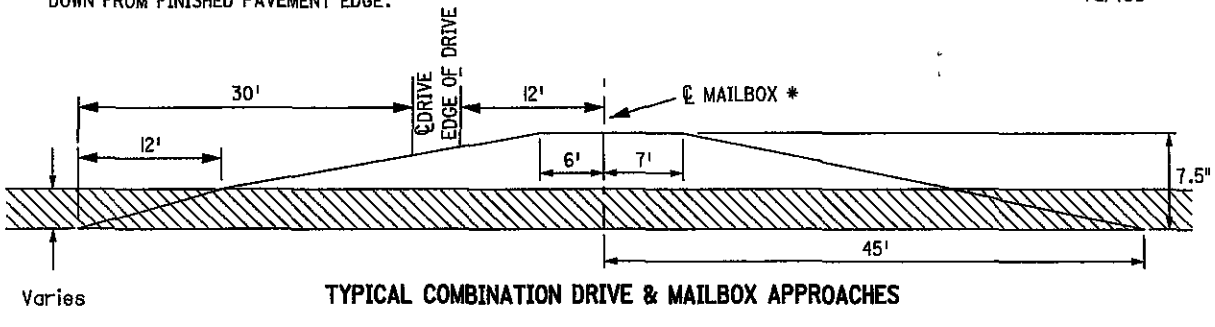
PLAN NO.



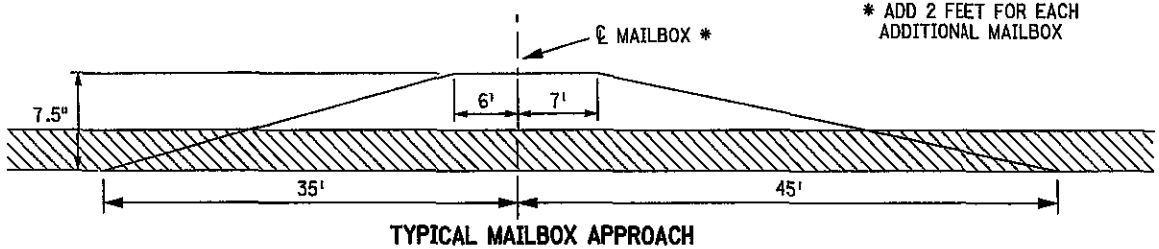
TYPICAL DRIVEWAY



SLOPE FOR TYPICAL MAILBOX APPROACH AND DRIVES TO BE ½" PER FOOT DOWN FROM FINISHED PAVEMENT EDGE.

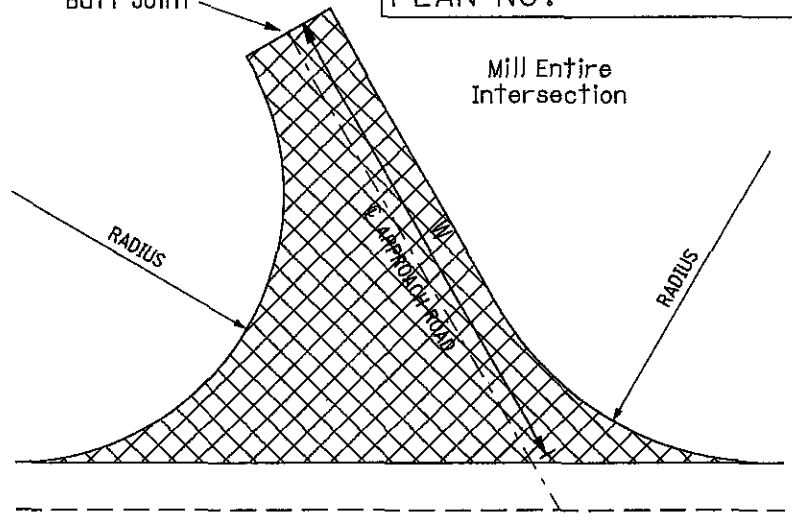


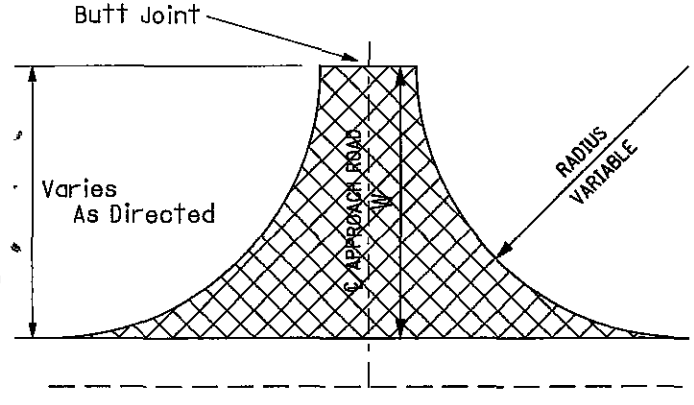
TYPICAL COMBINATION DRIVE & MAILBOX APPROACHES



TYPICAL MAILBOX APPROACH

* ADD 2 FEET FOR EACH ADDITIONAL MAILBOX





TYPICAL APPROACH ROAD PAVING

W = To Back of Radius or As Directed By the Engineer

OHIO DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN MAINTENANCE

TYPICAL APPROACHES FOR ROADS, DRIVES AND MAILBOXES

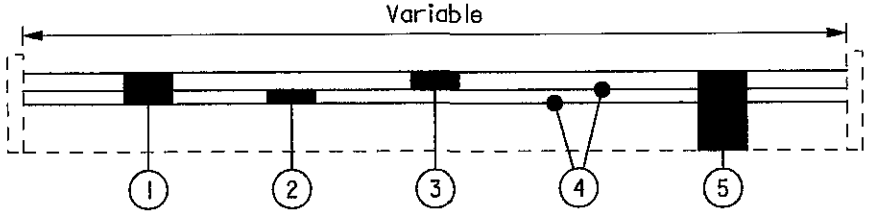
APPROVED

CALCULATED BY	MIAMI COUNTY MIA-36-11.30	APPROACH TYPICALS	4/11
CHECKED BY			

GENERAL NOTES

PLAN NO.

ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE



(1) Item 254 - Pavement Planing, Asphalt Concrete

(2) Item 442 - Asphalt Concrete Intermediate Course, 9.5 mm

(3) Item 442 - Asphalt Concrete Surface Course, 12.5 mm, Type A (446), As Per Plan

(4) Item 407 - Tack Coat (5) Existing Pavement

An estimated quantity of Item 254, Pavement Planing, Asphalt Concrete has been carried to the General Summary and included in the plans to be used as directed by the Engineer.

The approximate depth of pavement planing shall average one and one-half inches (1.5") to one and three-quarter inches (1.75"). All planed cuttings shall become the property of the Contractor and shall be removed from the limits of the project.

All butt joints shall be one and one-half inches (1.5") in depth and protected with an asphalt wedge to maintain traffic.

The approximate width of pavement planing will vary from thirty-six feet (36.0') to one hundred and ten feet (110.0'). Pavement planing includes all intersections and drives within the limits of the project.

Item 254 - Pavement Planing, Asphalt Concrete = 57,006.0 square yards

There are twelve (12) castings within the planing area. The Contractor shall be responsible for furnishing all labor and equipment necessary to maintain traffic around the castings and shall include the cost in the unit price bid for Item 614 - Maintaining Traffic.

Manholes = 4 each Water Valves = 8 each

Any castings that require adjusting during construction will become the responsibility of the Contractor.

Located within and included in the pavement planing limits are ten (10) intersections and forty-seven (47) drives.

MANHOLES ADJUSTED TO GRADE

Metal adjusting rings shall:
(a) attach securely to existing frame by welding or mechanical devices.
(b) consist either of cast metal having an integral rim and seat, or be fabricated metal with a sturdy connection between seat and rim.
(c) provide an even seat for the manhole cover.

In addition, the adjusting ring type shall be a design acceptable to the local government agency responsible for street and sewer maintenance. Any installation unacceptable to the Engineer shall be replaced by the Contractor at his expense. Expanding adjustable rings are prohibited.

ITEM 407 - TACK COAT, 702.13, AS PER PLAN

During Pavement Planing Operations, if the Contractor encounters any Portland Cement concrete or brick pavement, the Tack Coat used shall be rubberized asphalt emulsion conforming to 702.13, as explained in 407.06. An "as directed" quantity has been included in the General Summary for this purpose.

Item 407 - Tack Coat, 702.13, As Per Plan = 300.0 gallons

ITEM 446 - ASPHALT CONCRETE SURFACE COURSE, TYPE IH, PG 76-22M, AS PER PLAN

The material used for the Surface Course resurfacing shall consist of Item 446, Asphalt Concrete Surface Course, Type IH, PG 76-22M, As Per Plan.

The Contractor shall use a material transfer vehicle for the mainline surface course pavement. The transfer vehicle shall be capable of remixing the asphalt concrete and transferring directly from the truck to the paver.

The Contractor shall arrange his work schedule and begin placement of Item 446 - Asphalt Concrete Surface Course within seventy-two (72.0) hours after Item 254 - Pavement Planing has been completed on a daily operation.

GENERAL NOTES

PLAN NO.

ITEM 617 - COMPACTED AGGREGATE, AS PER PLAN

All materials for Item 617 - Compacted Aggregate, As Per Plan shall conform to the following gradation.

Sieve Size	Total Percent Passing
1 inch (25.0 mm)	100
3/4 inch (19.0 mm)	100
3/8 inch (9.5 mm)	35 to 75
No. 4 (4.75 mm)	30 to 60
No. 30 (600 um)	9 to 33
No. 200 (75 um)	0 to 15

ITEM 632 - LOOP DETECTOR TIE-IN, AS PER PLAN

This work shall consist of making connections to existing loop detector lead-in wire, whether that wire is underground or aerial. Included in this item is the connector kit or cable splice kit (conforming to 725.15) that must be used in making these connections.

This item is needed only when a tie-in situation exists. When all new lead-in wire is specified in the plan, this item of work is not required.

Payment for this item will include all necessary labor, miscellaneous hardware and equipment required to provide for the loop detector tie-in and operation. Basis of payment will be at the contract bid price per each.

ITEM 632 - DETECTOR LOOP

During the course of this contract, it may be necessary for the Contractor to coordinate loop detector work with the other Contractors involved with asphalt planing and resurfacing projects. The intent of this work is to replace loop detectors removed by asphalt planing operations and the installation of new loop detectors prior to asphalt resurfacing.

The Contractor shall coordinate and corroborate the layout of all loop detectors with the City of Piqua and the Ohio Department of Transportation.

Traffic signals will automatically switch to timed cycles when milled.

Loop locations are as follows:

Center Court and East Ash Street
- Eastbound Left Turn = 1 Loop - Size 8.0' x 20.0'
- Westbound Left Turn = 2 Loops - Size 8.0' x 20.0'

Center Court = 1 Loop - Size 8.0' x 25.0'
1 Loop - Size 8.0' x 30.0'

Scott Drive = 1 Loop - Size 8.0' x 25.0'

Eastbound System Loops = 2 Loops - Size 6.0' x 8.0'

Westbound @ SLM 11.68 = 4 Loops - Size 6.0' x 6.0'

Crossover @ SLM 11.71 = 1 Loop - Size 10.0' x 30.0'

Westbound Left Turn = 1 Loop - Size 8.0' x 20.0'

Eastbound Left Turn = 1 Loop - Size 6.0' x 30.0'

Looney Road and East Ash Street = 2 Loops - Size 8.0' x 25.0'
2 Loops - Size 6.0' x 8.0'
1 Loop - Size 8.0' x 20.0'
1 Loop - 8.0' x 10.0'

Taco Bell and East Ash Street = 4 Loops - Size 8.0' x 10.0'
1 Loop - Size 8.0' x 25.0'

ITEM 644 - PAVEMENT MARKINGS

The Contractor shall document the existing pavement markings and coordinate and corroborate the layout of all pavement markings with the City of Piqua and the Ohio Department of Transportation. Pavement markings are to be replaced in kind.

GENERAL NOTES

PLAN NO.

DRIVES, MAILBOXES, COMBINATIONS, INTERSECTIONS

Drives, mailboxes, combination drive approaches and intersections are to be constructed as per typical drawings shown in the plans. All dimensions are to be used from the existing edge line.

UNDERGROUND UTILITIES

The locations of the underground utilities listed on the plans are as obtained from the owners of the utility as required by Section 153.64 ORC. Ohio Utility Protection Service at 1-800-362-2764.

The underground utility companies with buried services within the project limits on U. S. Route 36 are as follows:

City of Piqua
219 West Water Street
Piqua, Ohio 45356
Phone: (937) 778-2044

CONVERSION OF STANDARD CONSTRUCTION DRAWINGS

The Metric Standard Drawings referenced in this plan shall be converted to English units using the SI (Metric) to English conversion factors provided in Section 109.02 of the 2005 Construction and Material Specifications. Conversions shall be appropriately precise and shall reflect standard industry English values where suitable.

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.

ALIGNMENT AND PROFILE

The work proposed by this project consists of pavement planing and 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.

NOTIFICATION

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

WORK HOURS

All lanes and intersections shall be open to the traveling public from 7:00 a.m. to 9:30 p.m.

EXISTING STRUCTURE VERIFICATION

DETAILS AND DIMENSIONS SHOWN IN THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM THE PLANS OF THE EXISTING STRUCTURE AND FROM FIELD OBSERVATION AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE STRUCTURE AND PROPOSED WORK, BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO THE CMS SECTIONS 102.05 AND 105.02.

CONTRACT BID PRICES SHALL BE BASED UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PRE-BID EXAMINATION OF THE EXISTING STRUCTURES BY THE CONTRACTOR. HOWEVER, ALL PROJECT WORK SHALL BE BASED UPON ACTUAL DETAILS AND DIMENSIONS, WHICH HAVE BEEN VERIFIED BY THE CONTRACTOR IN THE FIELD. PLANS OF THE EXISTING STRUCTURES MAY BE EXAMINED AT THE DISTRICT SEVEN OFFICE IN SIDNEY, OHIO OR THE BUREAU OF BRIDGES AND STRUCTURAL DESIGN AT COLUMBUS, OHIO.

PROPOSED WORK - MIA-36-1132

SKIP CONCRETE BRIDGE DECK. GRIND BACK 100' FOR A SMOOTH TRANSITION. CLEAN AND SEAL THE EXPANSION JOINTS WITH JOINT SEALER, 705.04.

PROPOSED WORK - MIA-36-1144

MAINTAIN VERTICAL CLEARANCE UNDER THE RAILROAD BRIDGE.

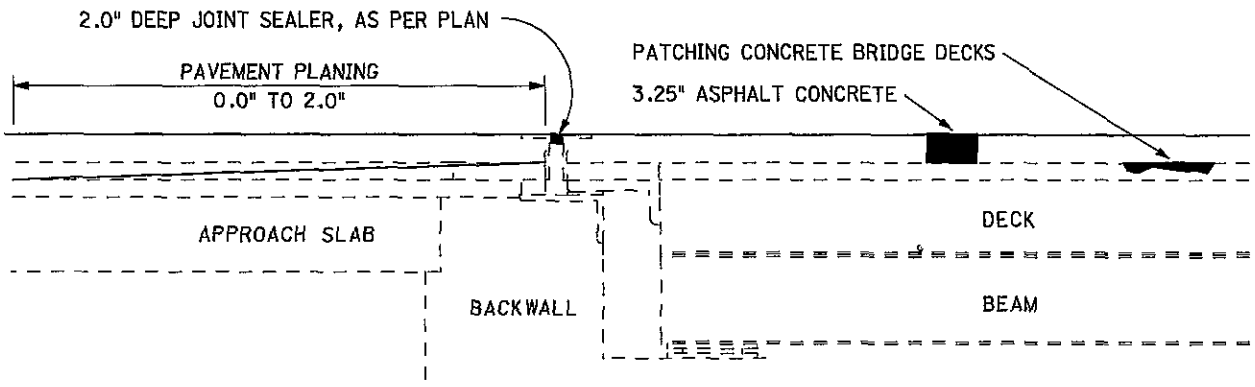
PROPOSED WORK - MIA-36-1176 L & R

REMOVE LOOSE CONCRETE AND UNSOUND PATCHES FROM THE BRIDGE DECKS. PATCH DECKS. CLEAN AND THE SEAL EXPANSION JOINTS. OVERLAY DECK WITH 3.25" ASPHALT CONCRETE. SAW AND SEAL THE EXPANSION JOINTS WITH 2.0" DEEP JOINT SEALER, AS PER PLAN. DURING ITEM 254 - PAVEMENT PLANING OF THE ROADWAY, TRANSITION TO MEET THE EXISTING BRIDGE DECK ELEVATION IN 150.0 FEET.

ITEM 516 - 2.0" DEEP JOINT SEALER, AS PER PLAN

CLEAN AND SEAL THE EXPANSION JOINTS. OVERLAY WITH ASPHALT CONCRETE. SAW AND SEAL OVER THE EXPANSION JOINT WITH JOINT SEALER, 705.04, 2.0" DEEP. SEE DETAIL BELOW.

MIA-36-1176 L & R



ITEM SPECIAL - PATCHING CONCRETE BRIDGE DECK

REMOVE LOOSE CONCRETE AND UNSOUND PATCHES AS PER CMS 519. PATCH WITH ASPHALT CONCRETE.

THIS ITEM SHALL CONSIST OF ALL AREAS REQUIRED TO BE REMOVED FOR BRIDGE PATCHING. IT WILL INCLUDE REMOVAL BY PLANING OR MANUAL PROCEDURES. AREAS OF REMOVAL WILL BE MARKED BY THE OHIO DEPARTMENT OF TRANSPORTATION PROJECT ENGINEER. THE INTENT IS TO REMOVE UNSOUND PROBLEM AREAS AND PATCH THESE AREAS; NOT SOUND THE ENTIRE DECK. ALL PERIMETERS SHALL HAVE A MINIMUM TWO INCH (2.0") VERTICAL FACE. SAW CUTTING MAY BE NECESSARY TO ACHIEVE A BUTT JOINT. DEPTH SHALL BE THREE INCHES (3.0") AND SHALL AVOID ALL REINFORCING STEEL. IF REINFORCEMENT STEEL IS HIT OR DAMAGED, THE CONTRACTOR WILL ASSUME ALL RESPONSIBILITY FOR REPAIR OR REPLACEMENT TO THE SATISFACTION OF THE PROJECT ENGINEER. THE AREA OF PATCHING MAY VARY DEPENDING ON THE AREA MARKED FOR REMOVAL. AFTER THE CLEANING OPERATION, THE AREA SHALL BE CHECKED AND ADDITIONAL UNSOUND MATERIAL MAY NEED TO BE REMOVED FROM THE PATCH AREA BY USE OF A THIRTY-FIVE (35) POUND AIR HAMMER, AS DIRECTED BY THE ENGINEER. ALL AREAS SHALL BE COATED WITH A TACK COAT (702.13) BEFORE THE ASPHALT CONCRETE IS PLACED. ALL AREAS OF PATCHING SHALL BE REPAIRED USING ITEM 442, ASPHALT CONCRETE SURFACE COURSE, 12.5 mm, TYPE A (448), PG 76-22M. EACH PATCH SHALL HAVE THE PERIMETER JOINT SEALED AFTER THE ASPHALT PATCH HAS BEEN PLACED, USING ITEM 516, JOINT SEALER. THE MAXIMUM ACCEPTABLE BAND WIDTH SHALL BE FOUR INCHES (4.0"). THE ITEM 516 JOINT SEALER SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM SPECIAL, PATCHING CONCRETE BRIDGE DECKS.

AN ESTIMATED QUANTITY OF ITEM SPECIAL, PATCHING CONCRETE BRIDGE DECK, HAS BEEN CARRIED TO THE GENERAL SUMMARY AND INCLUDED IN THE PLANS TO BE USED AS DIRECTED BY THE ENGINEER, AND SHALL INCLUDE ALL LABOR AND MATERIAL.

ITEM SPECIAL - PATCHING CONCRETE BRIDGE DECK = 360.0 SQUARE YARDS

PART	MIA-36 1132	MIA-36 1144	MIA-36 1176 L	MIA-36 1176 R			ITEM	ITEM EXTENSION	GRAND TOTAL	UNIT	DESCRIPTION
	132						516	31000	132	FT.	JOINT SEALER
			217	214			516	31011	431	FT.	2.0" DEEP JOINT SEALER, AS PER PLAN
			90	270			SPEC	51912510	360	SQ. YD.	PATCHING CONCRETE BRIDGE DECKS
	-	-	-	-						EACH	Wedges
	-	-	3.25"	3.25"							Proposed Asphalt Concrete Thickness
	-	-	-	-							Wearing Course Removed Thickness

BRIDGE NO.	LENGTH (Bridge Limits) FT.	WIDTH FT.	BRIDGE DECK AREA S.Y.	STRUCTURE FILE NUMBER	COMMENTS (Wearing Course)
MIA-36-1132	542.89	57.00	3438	5500095	Existing Concrete Wearing Surface
MIA-36-1144	RR OVERHEAD			5500109	Existing Asphalt Concrete
MIA-36-1176 L	229.17	52.00	1324	5500184	Existing Concrete Wearing Surface
MIA-36-1176 R	247.62	52.00	1431	5500125	Existing Concrete Wearing Surface

Quantities to be carried to the General Summary

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MIA-36-11.30

BRIDGE SUMMARY

GENERAL SUMMARY

PLAN NO.

FEDERAL /STATE	FEDERAL /LOCAL	ITEM	ITEM EXTENSION		GRAND TOTAL	UNIT	DESCRIPTION
6271	50735	254	01000		57006	SQ. YD.	Pavement Planing, Asphalt Concrete
661	5345	407	10000		6006	GALLON	Tack Coat
33	267	407	13900		300	GALLON	Tack Coat, 702.13
281	2273	446	50015		2554	CU. YD.	Asphalt Concrete Surface Course, Type 1H, PG 76-22M, As Per Plan
130	1054	448	46010		1184	CU. YD.	Asphalt Concrete Intermediate Course, Type 1, PG 64-28
14	118	516	31000		132	FEET	Joint Sealer
47	384	516	31011		431	FEET	2" Deep Joint Sealer, As Per Plan
40	320	SPECIAL	519 12510		360	SQ. YD.	Patching Concrete Bridge Deck

GENERAL SUMMARY

PLAN NO.

FEDERAL /STATE	FEDERAL /LOCAL	ITEM	ITEM EXTENSION		GRAND TOTAL	UNIT	DESCRIPTION
	4	604	34500		4	EACH	Manhole Adjusted to Grade
1	7	614	12460		8	EACH	Work Zone Marking Sign
0.59	4.73	614	20000		5.32	MILE	Work Zone Lane Line, Class I
0.40	3.26	614	21000		3.66	MILE	Work Zone Center Line, Class I
98	790	614	26000		888	FEET	Work Zone Stop Line, Class I
14	117	617	10101		131	CU. YD.	Compacted Aggregate, As Per Plan
2	19	632	26500		21	EACH	Detector Loop
2	19	632	27201		21	EACH	Loop Detector Tie-In, As Per Plan
	8	638	10800		8	EACH	Valve Box Adjusted to Grade
0.29	2.37	644	00100		2.66	MILE	Edge Line
0.29	2.37	644	00200		2.66	MILE	Lane Line
0.20	1.63	644	00300		1.83	MILE	Center Line
462	3738	644	00400		4200	FEET	Channelizing Line
76	614	644	00500		690	FEET	Stop Line
71	574	644	00600		645	FEET	Crosswalk Line
214	1731	644	00700		1945	FEET	Transverse / Diagonal Line
4	37	644	01300		41	EACH	Lane Arrow
1	12	644	01400		13	EACH	Word on Pavement, 72"
LUMP		614	11000		LUMP		Maintaining Traffic
LUMP		624	10000		LUMP		Mobilization

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GENERAL SUMMARY

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