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SEP 21 1984

FHWA REGION	STATE	PROJECT	
5	OHIO	IR-90-(138)67	

LAKE COUNTY
LAK-90-23.42(L&R.)

STATE OF OHIO

DEPARTMENT OF TRANSPORTATION
BRIDGE REHABILITATION
LAK-90-23.42
OVER GRAND RIVER
LEROY, PERRY & MADISON TOWNSHIPS
LAKE COUNTY

IR-90-1(138)67

1989 SPECIFICATIONS

THE STANDARD SPECIFICATIONS 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 THE TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

APPROVED: Martin A. Ball
DATE: 12-4-89 DISTRICT DEPUTY DIRECTOR OF TRANSPORTATION

APPROVED: B.D. Handshamman
DATE: 1/7/90 ENGINEER, BUREAU OF BRIDGES AND STRUCTURAL DESIGN

APPROVED: Chadwick J. Stitt
DATE: 2/22/90 CHIEF ENGINEER, PLANNING AND DESIGN

APPROVED: Samuel E. Hunt
DATE: 2/22/90 DIRECTOR, DEPARTMENT OF TRANSPORTATION

LIMITED ACCESS

This improvement is especially designed for through traffic and has been declared a limited access highway or freeway by action of the Director, Department of Transportation, in accordance with the provisions of Section 5511.02 of the Revised Code of Ohio.

DESIGN DESIGNATION

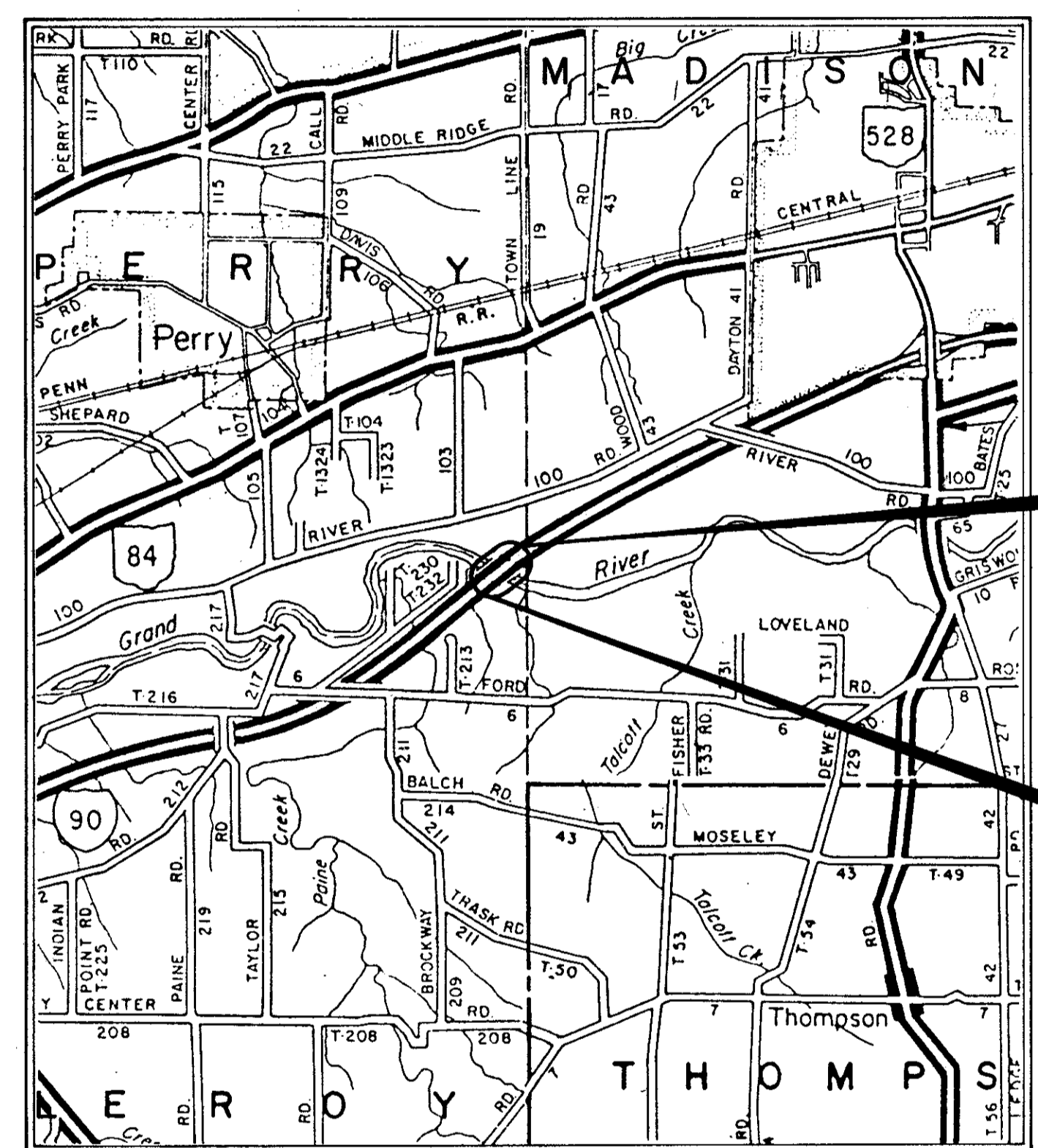
CURRENT A.D.T.	19,000 (1988)
DESIGN YEAR A.D.T.	26,700 (2008)
D.H.V.	10%
D. (DIRECTIONAL DISTRIBUTION)	50/50
T. (PERCENT B&C TRUCKS)	27%
V. (DESIGN SPEED)	70 MPH
V. (LEGAL SPEED)	65 MPH
FUNCTIONAL CLASSIFICATION	URBAN INTERSTATE

CONVENTIONAL SIGNS

COUNTY LINE	-----	LIMITED ACCESS	LA	-----	LA
TOWNSHIP LINE	-----	RIGHT OF WAY	RW	-----	RW
CORPORATION LINE	-----	TEMPORARY RIGHT OF WAY	T	-----	T
SECTION LINE	-----	EXISTING RIGHT OF WAY	-----	-----	-----
FENCE LINE (EXISTING)	-x-x-	PROPERTY LINE	-----	(IN EXISTING FENCE)	-x-x-
CENTER LINE		RAILROAD	-----	-----	-----
TREES	○	STUMPS	△	(TO BE REMOVED)	⊗
UTILITY POLES: TELEPHONE	⊕	POWER	⊕	LIGHT	⊕
MAILBOX	□	PAPERBOX	□	SIGN	+
HYDRANT	⊕	WATER VALVE	⊕	GAS VALVE	⊕
CATCH BASIN	□	MANHOLE	○	(ADJUSTED TO GRADE)	⊙
		SANITARY SEWER	SAN	STORM SEWER	ST

INDEX OF SHEETS

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END PROJECT
STA. 838+98.82

BEGIN PROJECT
STA. 829+83.00

LOCATION MAP

SCALE IN MILES
0 1/2 1 2 3

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

PORTION TO BE IMPROVED
STATE HIGHWAYS
OTHER STREETS

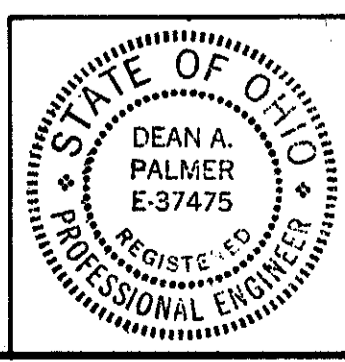
PLAN
PROFILE - HORIZONTAL
PROFILE - VERTICAL
CROSS SECTIONS

SUPPLEMENTAL SPECIFICATIONS			
802	4-13-90	843	7-29-88
836	11-12-85	944	6-24-89
		852	6-10-87
		952	12-14-88
847	10-17-83		
850	5-31-88		
947	10-17-83		

LINE DATA			
	PROJECT	WORK	
BEGIN	829+83	820+06.9	
END	838+98.82	848+67	
GROSS	915.82 L.F.	2861.1 L.F.	
NET LENGTH	915.82 L.F. OR 0.173 MILE	2860.1 L.F. OR 0.542 MILE	

SUPPLEMENTAL PRINTS OF STANDARD CONSTRUCTION DRAWINGS							
				BP-7	10-1-87		
				MC-4	7-26-76	TC-35.10	8-29-84
BP-5	10-1-87	GR-1	1-11-85	MC-9A	1-11-85	BR-1-	5-29-79
		GR-2B	2-5-82	MC-11	8-1-78	EXJ-4-87	1-5-89
CB-2-3 & 2-4	5-1-79	GR-3	1-21-85	MC-7	10-15-76		
				MH-1	12-18-84		
				MH-3	12-18-84		
		HW-4A	4-1-80	MT-99.10	11-14-86		

PREPARED AND RECOMMENDED BY
RICHLAND ENGINEERING LIMITED
Consulting Engineers
MANSFIELD, CLEVELAND, OHIO



DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
APPROVED: _____
DIVISION ADMINISTRATOR
DATE: _____

PROJECT: 05664
DATE OF LETTING: 19 _____ CONTRACT NO. _____

REVISED 11-19-90