

STATE OF OHIO DEPARTMENT OF TRANSPORTATION LAK-90-17.42/25.15/27.76 CONCORD AND MADISON TOWNSHIPS LAKE COUNTY

CALC. BY:	OHIO	1 92
DATE:	F.H.W.A. 5	
BY:	REGION	

LAKE COUNTY
LAK-90-17.42/25.15/27.76
TE21-G990(493)

	LAK-90-17.42 S.R. 86	LAK-90-25.15 RIVER RD.	LAK-90-27.76 BATES RD.
CURRENT YEAR A.D.T. (1994)	2600	1020	650
DESIGN YEAR A.D.T. (2014)	4160	1530	980
D.H.V.	416	153	98
D	55%	55%	55%
T	3%	4%	9%
DESIGN SPEED	60 MPH	60 MPH	60 MPH
LEGAL SPEED	55 MPH	55 MPH	55 MPH
FUNTIONAL CLASSIFICATION	URBAN	RURAL	URBAN
	MINOR ARTERIAL	MINOR COLLECTOR	LOCAL
DESIGN EXCEPTIONS & APPROVAL DATE	STOPPING SIGHT DISTANCE (10/28/93)	STOPPING SIGHT DISTANCE (10/28/93)	STOPPING SIGHT DISTANCE (10/28/93)
	VERTICAL ALIGNMENT (10/28/93)	VERTICAL ALIGNMENT (10/28/93)	VERTICAL ALIGNMENT (10/28/93)
		VERTICAL CLEARANCE (4/21/94)	VERTICAL CLEARANCE (4/21/94)

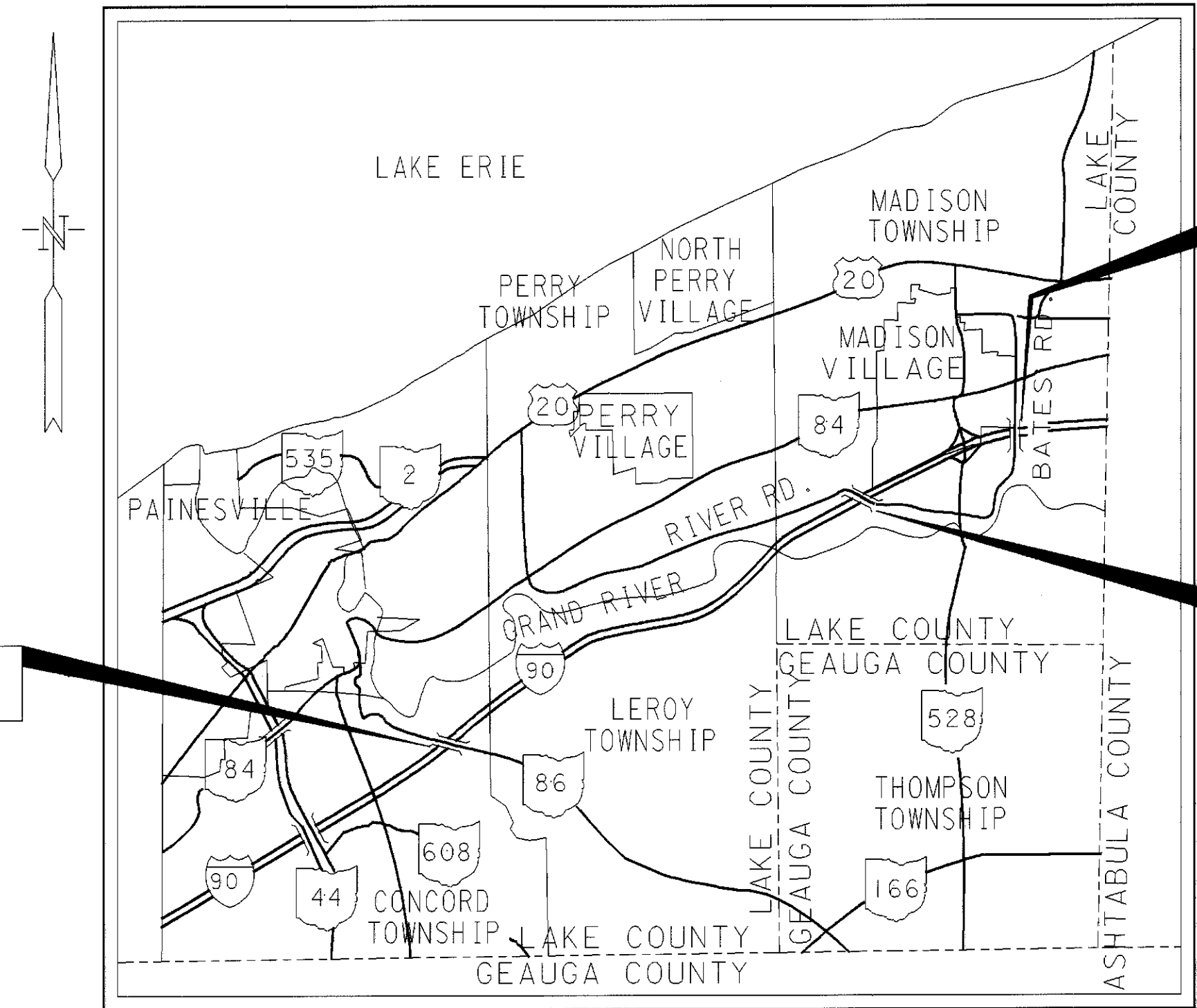
LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE REVISED CODE OF OHIO.

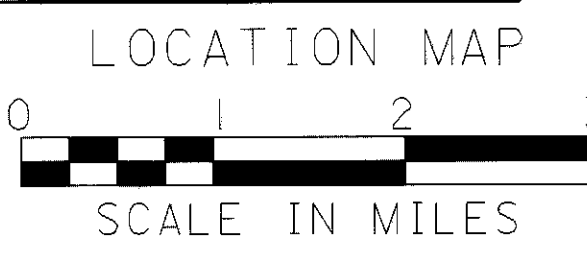
1997 SPECIFICATIONS

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 OF THE HIGHWAY TO TRAFFIC FOR LAK-90-17.42 (S.R. 86) AND LAK-90-25.15 (RIVER ROAD) AND THAT THE PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THESE PLANS AND ESTIMATES. THIS IMPROVEMENT WILL REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY FOR LAK-90-27.76 (BATES ROAD) AND THE DETOURS WILL BE PROVIDED AS INDICATED ON SHEET 19.

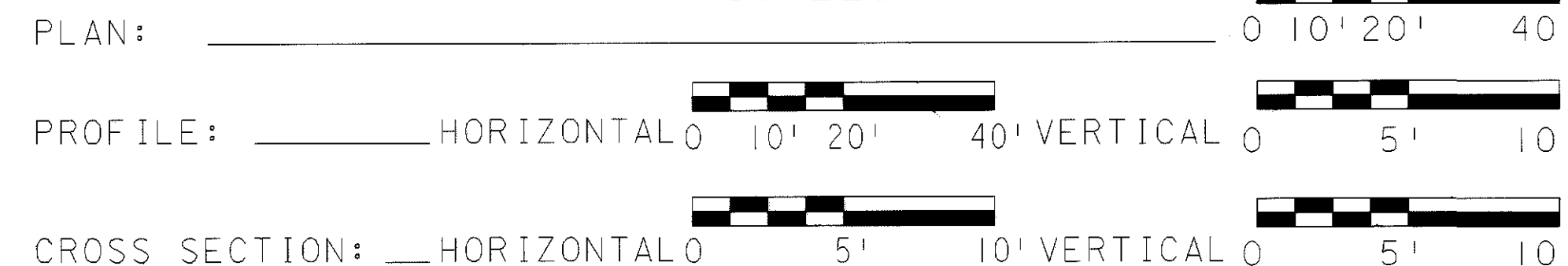


STRUCTURE NO.	ROUTE	LATITUDE:	LONGITUDE:
4304683	S.R.86	41°41'30"	81°12'12"
4305027	RIVER RD.	41°44'48"	81°04'36"
4305043	BATES RD.	41°45'42"	81°01'48"



PORTION TO BE IMPROVED _____
STATE AND FEDERAL ROUTES _____
OTHER ROADS _____

SCALES



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

STANDARD CONSTRUCTION DRAWINGS

DRAWING	DATE	DRAWING	DATE	DRAWING	DATE	DRAWING	DATE
BP-3.1	2-21-92	PCB-91	4-24-92	MT-95.30M	4-25-94	TC-42.10M	3-1-94
BP-5.1	10-28-94			MT-96.11M	1-30-95	TC-42.20M	3-1-94
		AS-1-81	9-15-94	MT-96.21M	1-30-95	TC-52.10M	7-29-94
F-1.1M	4-8-97	BR-1	1-6-99	MT-96.25M	1-30-95	TC-52.20M	7-29-94
F-3	5-1-76	EXJ-2-81	2-14-97	MT-97.10M	4-25-94	TC-65.10M	11-1-95
		EXJ-4-87	2-14-97	MT-101.20M	3-01-96	TC-65.11M	11-1-95
GR-1.1M	10-21-97			MT-101.60M	4-25-94	TC-65.12M	11-1-95
GR-1.2M	1-3-96	RB-1-55	2-02-59	MT-105.10M	4-25-94	TC-82.10M	11-24-93
GR-1.3	2-21-92	GSD-1-96	2-12-97	MT-105.11M	4-25-94	TC-83.10M	11-24-93
GR-2.1M	4-14-98					TC-85.20M	11-24-93
GR-3.1M	10-21-97	VFP-1-90M	3-20-95				
GR-4.2M	10-21-97	DM-4.3	4-29-99	MT-96.26M	1-30-95		
GR-5.3	10-30-92	DM-4.4	4-29-99				
RM-1.1	4-29-99						
RM-4.2M	10-21-97						
RM-4.3M	10-21-97						
DM-4.1M	6-30-95						

SUPPLEMENTAL SPECIFICATIONS			
NUMBER	DATE	NUMBER	DATE
806	9-9-97	844	1-6-99
815	5-30-96	849	6-14-95
816	4-21-97	863	9-9-97
830	10-21-98	899	10-21-98
838	5-6-97	910	7-28-98
842	1-6-99	949	6-14-95
843	5-5-98	954	9-9-97
905	4-1-98	908	1-6-99
906	5-5-98	877	4-13-99
907	10-21-98		

APPROVED *Robert J. Payne* DISTRICT DEPUTY DIRECTOR OF TRANSPORTATION
DATE 8 JUN 99

APPROVED *Jordan Proctor* DIRECTOR, DEPARTMENT OF TRANSPORTATION
DATE 6-28-99

CONVENTIONAL SIGNS

<p>COUNTY LINE _____</p> <p>TOWNSHIP LINE _____</p> <p>SECTION LINE _____</p> <p>CORPORATION LINE _____</p> <p>PROPERTY LINE _____</p> <p>RIGHT OF WAY LINE:</p> <p>EXISTING _____ EXIST. R/W _____</p> <p>PROPOSED _____ R/W _____</p> <p>FENCE LINE:</p> <p>EXISTING _____ X X X</p> <p>PROPOSED _____ X X X</p> <p>RAILROADS:</p> <p>EXISTING _____ OR _____</p> <p>POLES:</p> <p>GENERAL LIGHT POWER _____</p> <p>TELEPHONE OR COMBINATION _____</p> <p>TELEGRAPH _____</p> <p>TRAFFIC SIGNALS:</p> <p>EXISTING _____ PROPOSED _____</p> <p>SIGNS: _____ MAIL BOX: _____</p> <p>GUARD RAIL:</p> <p>EXISTING _____</p> <p>PROPOSED _____</p>	<p>UTILITY LINES:</p> <p>WATER _____ W _____ W _____</p> <p>GAS _____ G _____ G _____</p> <p>TELEPHONE _____ T _____ T _____</p> <p>ELECTRIC _____ E _____ E _____</p> <p>SANITARY SEWER _____ SAN _____ SAN _____</p> <p>STORM SEWER _____ S _____ S _____</p> <p>VALVES:</p> <p>EXISTING _____ PROPOSED _____</p> <p>FIRE HYDRANTS:</p> <p>EXIST. _____ PROP. _____</p> <p>MANHOLES:</p> <p>EXISTING _____ TO BE RESET _____</p> <p>PROPOSED _____</p> <p>INLETS OR CATCH BASINS:</p> <p>EXISTING _____ TO BE RESET _____</p> <p>PROPOSED _____</p> <p>TREES:</p> <p>TREE _____ STUMP _____</p> <p>(TO BE REMOVED) _____</p> <p>STREAMS:</p> <p>-INTERMITTENT _____</p> <p>-CREEK _____</p> <p>FLOW ARROW:</p> <p>EXISTING _____ PROPOSED _____</p>
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	LAK-90-17.42 S.R. 86	LAK-90-25.15 RIVER RD.	LAK-90-27.76 BATES RD.
BEGIN PROJECT	27+15.00	96+80.00	18+00.00
END PROJECT	32+75.00	102+75.00	22+25.00
LENGTH OF PROJECT	560.00' / 0.106 MILE	595.00' / 0.11 MILE	425.00' / 0.080 MILE
BEGIN WORK	25+50.00	95+00.00	17+00.00
END WORK	34+50.00	104+50.00	22+50.00
LENGTH OF WORK	900.00' / 0.170 MILE	950.00' / 0.180 MILE	550.00' / 0.104 MILE

PLANS PREPARED BY
THE OSBORN ENGINEERING COMPANY
CLEVELAND, OHIO 44114

PROJECT: LAK-90-17.42/25.15/27.76 PID 9177 LAKE COUNTY
DATE OF LETTING: _____ 19____, CONTRACT NO. _____

Hunt K. Rein

PLOT SUBMITTED: 26-MAR-1999 12:25
 LAK-IR 90 (17.42/25.15/27.76)
 990652
 DIST 12
 09-29-99
 PLOTTED BY: jgrmovse
 PLOTTED FROM: PROJECTS\BP1\09177\BGN\09177GTA.DGN

SR-86 - RIVER ROAD - BATES ROAD