

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
LAK - 90 - 6.71
CITY OF WILLOUGHBY, VILLAGE OF
KIRTLAND HILLS, CITY OF MENTOR,
AND CONCORD TWP.
LAKE COUNTY

LAKE COUNTY	OHIO
LAK-90-6.71	FHWA REGION 5
IM-90-1(178)	FEDERAL PROJECT
NH-90-1(178)	

1
182

DESIGN DESIGNATION

Current A.D.T. (1994)	= 37,814 VPD
Design Year A.D.T. (2014)	= 52,940 VPD
D.H.V.	= 5,294 VPD
D	= 55%
T	= 10%
Design Speed	= 70 M.P.H.
Legal Speed	= 65 M.P.H.
Functional Classification	= URBAN INTERSTATE
Design Exception:	NONE

IM-90-1(178)
NH-90-1(178)

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.

1995 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 traffic of the highway and that provisions for the maintenance and safety of traffic will be as set forth on these plans and estimates.

Approved _____
Date _____ District Deputy Director of Transportation

Approved _____
Date _____ Engineer, Bureau of Bridges and Structural Design

Approved _____
Date _____ Deputy Director, Design

Under Authority of Section 4511.21, Division (H) of the Revised Code of Ohio, the Revised Prima Facie Speed Limits as indicated herein are determined to be reasonable and safe, and are hereby established for the duration of this project. The Prima Facie Speed Limit or Limits hereby established shall become effective when appropriate signs giving notice thereof are erected.

Approved _____
Date _____ Director, Department of Transportation

CONVENTIONAL SIGNS

County Line	-----	Limited Access (only)	----- L/A -----
Township Line	-----	Right of Way (only)	----- R/W -----
Section Line	-----	Limited Access & Right of Way	----- L/A & R/W -----
Corporation Line	-----	Existing Right of Way	----- R/W -----
Fence Line (existing)	-----	Property Line	----- (in existing fence) -----
Center Line	-----	Railroad	+++++ or ++++++
Trees, Stumps	⊗, ⊗	Guardrail (existing)	----- (proposed) -----
Utility Poles: Telephone	⊕		
Power	⊕		
Light	⊕		

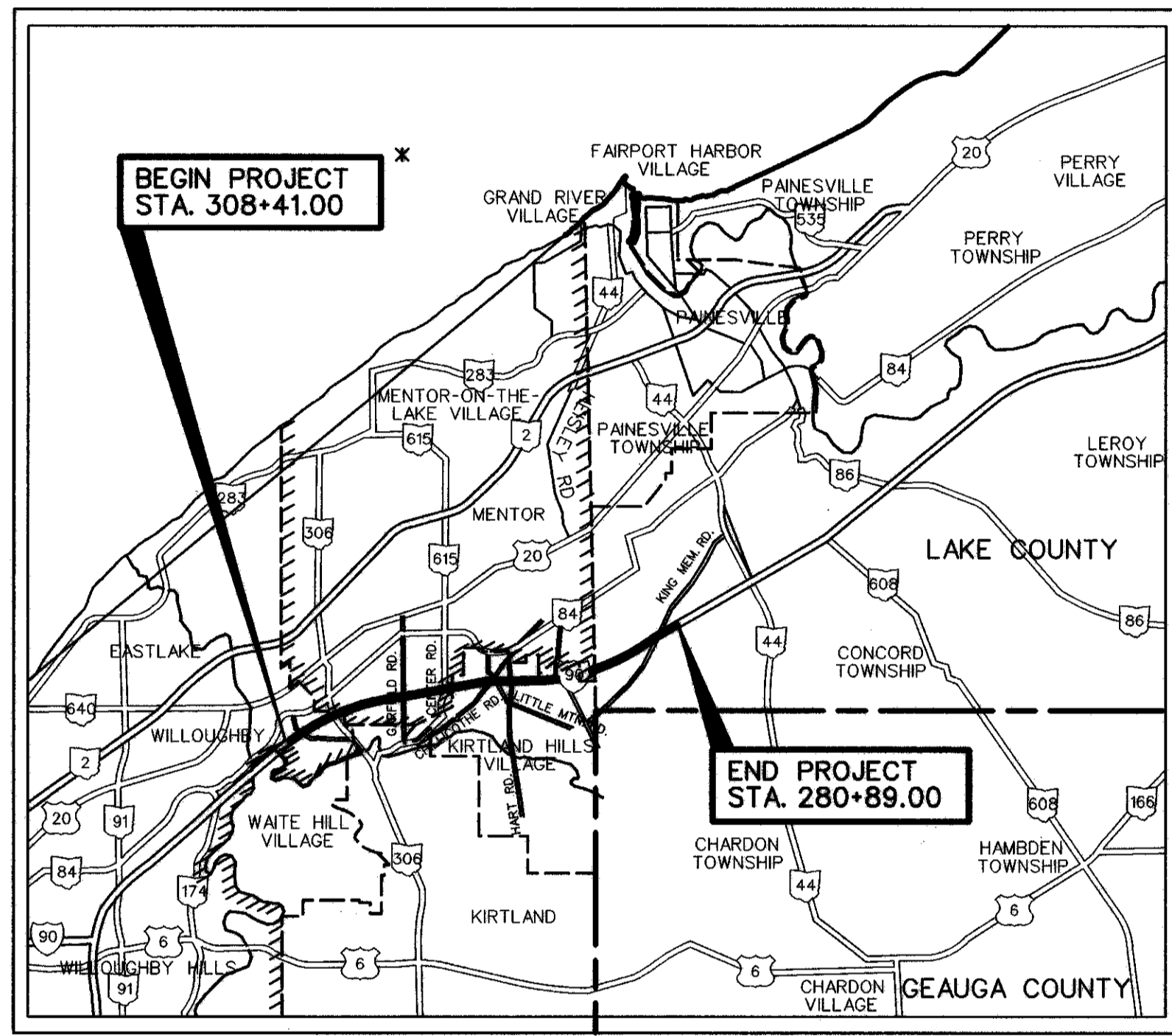
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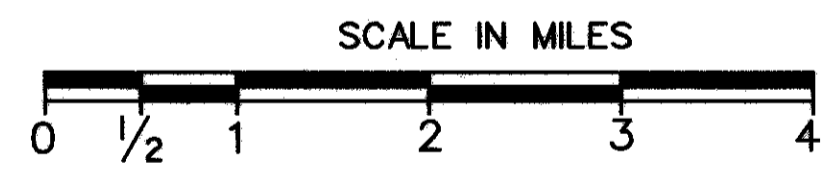
* ADDITIONAL PAVEMENT FOR 3rd LANE CARRIED TO STA. 322+71

LINE DATA

PROJECT LIMITS:	
308+41.00 TO 375+00.00 (BACK)	= 6659.00 LIN. FT.
10+99.63 (AHEAD) TO 101+67.55 (BACK)	= 9067.92 LIN. FT.
101+74.57 (AHEAD) TO 140+53.07 (BACK)	= 3878.50 LIN. FT.
143+40.31 (AHEAD) TO 241+39.02 (BACK)	= 9798.71 LIN. FT.
242+80.20 (AHEAD) TO 280+89.00	= 3808.80 LIN. FT.
LENGTH OF PROJECT	= 33,212.93 LIN. FT. OR 6.290 MILES
BEGIN WORK: STA. 236+00 TO STA. 375+00	= 13,900.00 LIN. FT.
= STA. 10+99.63 TO STA. 101+67.55	= 9067.92 LIN. FT.
= STA. 101+74.57 TO STA. 140+53.07	= 3878.50 LIN. FT.
= STA. 143+40.31 TO STA. 241+39.02	= 9798.70 LIN. FT.
= STA. 242+80.20 TO STA. 291+29.00	= 4848.80 LIN. FT.
LENGTH OF WORK	= 41,493.93 LIN. FT. OR 7.859 MILES



LOCATION MAP



Portion to be improved	-----
State & Federal Routes	-----
Other Roads	-----

SCALES

Plan	-----
Profiles: Horizontal	-----
Vertical	-----
Cross Section: Horizontal	-----
Vertical	-----

SUPPLEMENTAL SPECIFICATIONS			
802	4-13-90	944	3-18-92
820	3-18-92		
852	7-30-93		
902	8-31-79		
921	12-4-72		
923	1-10-69		
931	3-18-92		
933	2-10-87		

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NON-MEMBERS
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PREPARED BY:
RALPH C. TYLER P.E., P.S., INC.
2143 FAIRHILL ROAD
CLEVELAND, OH 44106
(216) 229-9320

SUPPLEMENTAL PRINTS OF STANDARD CONSTRUCTION DRAWINGS													
BP-1.1	2-21-92	GR-1.2	10-30-92	GR-5.3	10-30-92	HW 4-A	4-1-80	MT-95.30	10-10-88	TC-22.10	9-01-92	TC-52.10	4-3-79
BP-2.1	2-21-92	GR-1.3	2-21-92	GR-8.1	1-31-94	HW 4-B	4-1-80	MT-97.10	4-29-88	TC-22.20	9-01-92	TC-52.20	4-3-79
BP-2.2	2-21-92	GR-2.1	5-6-91					MT-98.14	8-25-89	TC-31.21	9-01-92	TC-61.10	4-5-82
BP-2.5	2-21-92	GR-2.2	10-30-92	MC-9.1	10-30-92	MH-1	12-18-84	MT-98.15	8-25-89	TC-32.10	9-01-92	TC-65.10	2-26-82
BP-3.1	2-21-92	GR-3A	2-5-82	MC-9.2	5-6-91	MH-2	6-12-75	MT-99.10	11-14-86	TC-35.10	8-29-84	TC-65.11	4-5-82
BP-8.1	2-21-92	GR-3.1	5-6-91	MC-9.3	10-30-92	MH-3	12-18-84	MT-99.20	4-29-88	TC-41.10	8-29-84	TC-71.10	9-10-91
		GR-3.2	5-6-91	MC-9.4	10-30-92	MH-5	6-12-75	MT-102.20	8-25-89	TC-41.20	3-26-79	TC-72.20	2-26-82
F-1	11-10-83	GR-4.1	5-6-91					MT-105.10	7-1-92	TC-41.40	6-18-79	TC-82.10	8-29-84
F-3	5-1-76	GR-4.2	5-6-91	CB-4	7-1-58	MC-4	7-26-76			TC-41.50	3-26-79	TC-83.10	1-20-84
F-5	5-1-76	GR-4.3	2-21-92	CB-4	11-10-83	MC-5	6-12-75	TC-12.30	1-20-84	TC-42.10	8-19-77	TC-83.20	1-20-84
F-6	5-1-76	GR-4.4	2-21-92	CB-5	7-1-58	MC-10	5-1-76	TC-16.20	1-20-84	TC-42.20	3-26-79		
		GR-5.1	10-30-92	CB-5	11-10-83	MC-11	8-1-78	TC-21.10	9-01-92	TC-51.10	1-20-84		
GR-1.1	5-6-91	GR-5.2	10-30-92					TC-21.20	9-01-92	TC-51.11	1-20-84		

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____
DIVISION ADMINISTRATOR

DATE _____

Project: LAK-90-6.71 P.I.D. 5774
Date of Letting 19 , Contract No.