

V-3

APR 1 1973

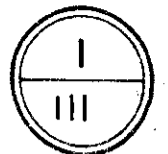
STATE OF OHIO

DEPARTMENT OF TRANSPORTATION

LAK-90-3.56

1-90-1(88)46

| | | |
|-------------|-------|--------------|
| FHWA REGION | STATE | PROJECT |
| 5 | OHIO | I-90-1(88)46 |



LAKE COUNTY
LAK-90-3.56

CONVENTIONAL SIGNS

| | | |
|-------------------------------------|-------------------------------|----|
| COUNTY LINE | LIMITED ACCESS (ONLY) | LA |
| TOWNSHIP LINES | RIGHT OF WAY (ONLY) | RW |
| SECTION LINE | EXISTING RIGHT OF WAY | |
| CORPORATION LINE | RAILROAD | |
| FENCE LINE (EXISTING) OR (PROPOSED) | GUARDRAIL (EXISTING) PROPOSED | |
| CENTER LINE | EXISTING CATCH BASIN | |
| TREES, STUMPS (TO BE REMOVED) | PROPOSED CATCH BASIN | |
| PROPOSED WATER MAIN | EXISTING MANHOLE | |
| EXISTING WATER MAIN | EXISTING CULVERT OR SEWER | |
| STEEL ENCASING PIPE | PROPOSED CULVERT OR SEWER | |
| LINE VALVE | | |
| FIRE HYDRANT AND VALVE | | |
| SELF CLOSING FIRE HYDRANT | | |
| BUBBLE FONT | | |
| METER VAULT | | |
| AIR RELEASE VALVE | | |

CITY OF WILLOUGHBY
WILLOUGHBY HILLS, WAITE HILL, MENTOR,
KIRTLAND HILLS AND MADISON VILLAGES
KIRTLAND, MENTOR, CONCORD, PAINESVILLE,
LEROY, MADISON AND PERRY TOWNSHIPS

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, REVISED CODE OF OHIO.

1973 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.

THE RIGHT OF WAY FOR THIS IMPROVEMENT WILL BE PROVIDED BY THE STATE OF OHIO.

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 ON THE PLANS AND ESTIMATES.

INDEX OF SHEETS

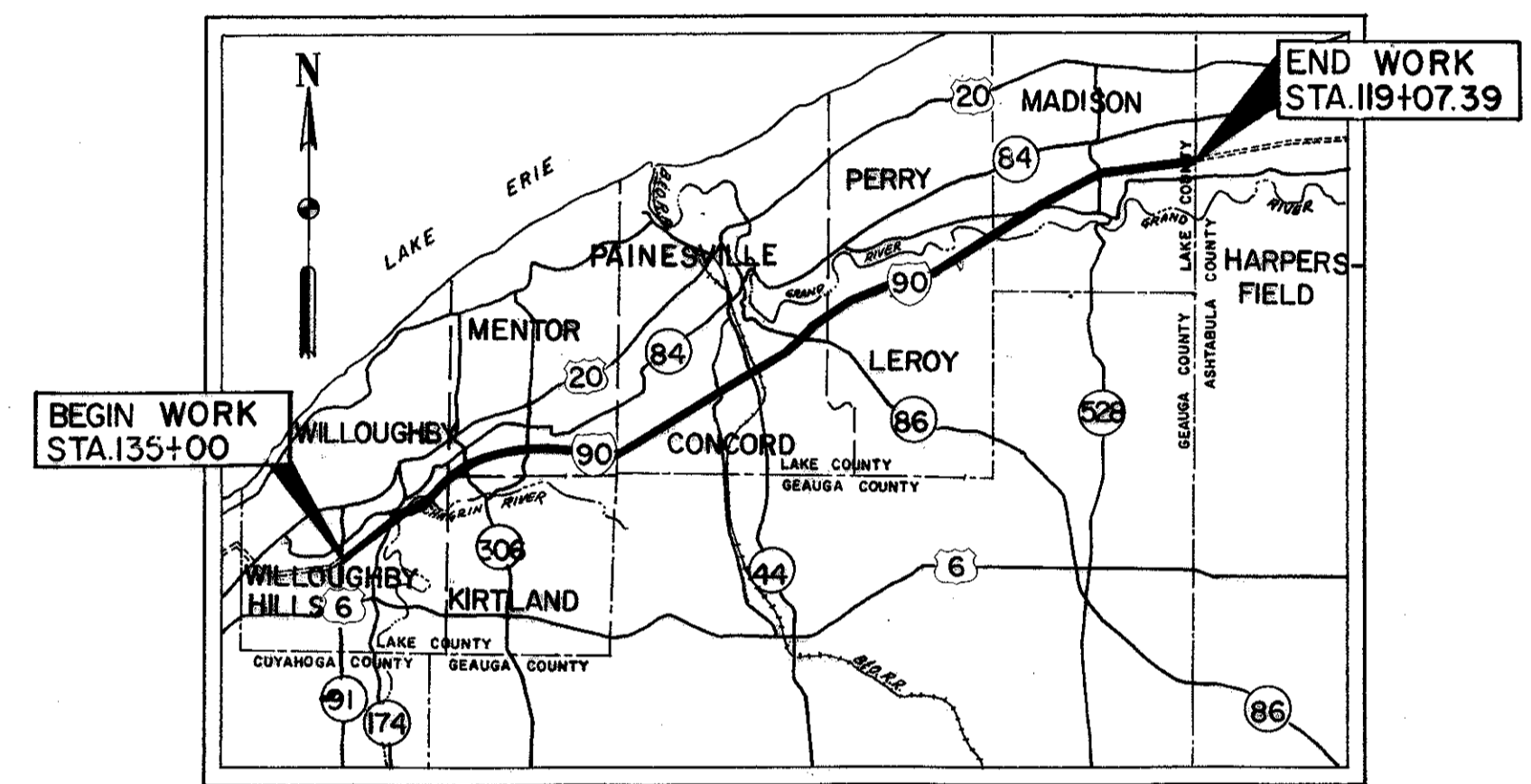
| | |
|-------------------------------|---------------------------------------|
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LINE DATA

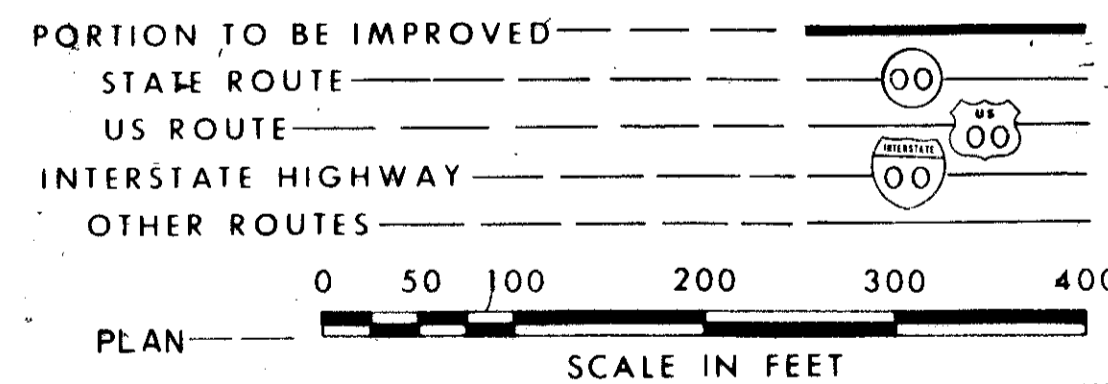
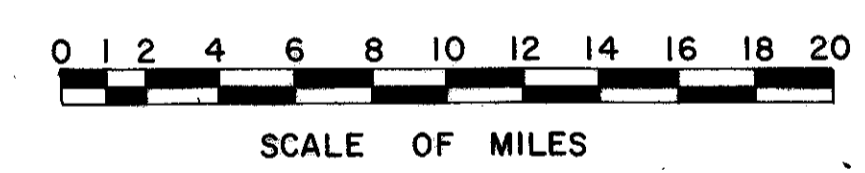
| WORK | WORK LIMITS | LENGTH |
|------------------|---|-------------------|
| STATION EQUATION | Sta. 135+00 | |
| | Sta. 214+83.73 Bk. = Sta. 222+01.66 Ah. | 7,983.73 Lin.Ft. |
| | Sta. 375+00.00 Bk. = Sta. 10+99.63 Ah. | 15,298.34 Lin.Ft. |
| | Sta. 101+67.55 Bk. = Sta. 101+74.57 Ah. | 9,067.92 Lin.Ft. |
| | Sta. 140+53.07 Bk. = Sta. 143+40.31 Ah. | 3,878.50 Lin.Ft. |
| | Sta. 241+39.02 Bk. = Sta. 242+80.20 Ah. | 9,798.71 Lin.Ft. |
| | Sta. 456+58.83 Bk. = Sta. 456+61.36 Ah. | 21,378.63 Lin.Ft. |
| | Sta. 686+59.45 Bk. = Sta. 686+29.94 Ah. | 22,998.09 Lin.Ft. |
| | Sta. 891+50.47 Bk. = Sta. 927+50.00 Ah. | 20,520.53 Lin.Ft. |
| | Sta. 1052+76.43 Bk. = Sta. 0+00.00 Ah. | 12,526.43 Lin.Ft. |
| WORK | Sta. 119+07.39 | 11,907.39 Lin.Ft. |

NET LENGTH OF WORK 135,358.27 Lin.Ft. or 25.636 Miles
 NET LENGTH OF PROJECT 0.00 Lin.Ft. or 0.00 Miles

LAKE COUNTY



LOCATION MAP



STANDARD DRAWINGS

| NUMBER | DATE | NUMBER | DATE | NUMBER | DATE |
|--------|---------|--------|---------|--------|--------|
| | | MC-3 | 6-1-73 | HL-1 | 4-6-73 |
| | | MC-4 | 6-13-69 | HL-2 | 4-6-73 |
| BP-2 | 12-1-68 | MC-5 | 6-1-65 | HL-3 | 4-6-73 |
| GR-2A | 1-1-71 | | | BP-5 | 6-1-72 |
| GR-2B | 11-9-71 | CB-4 | 9-1-69 | | |
| GR-4 | 11-9-71 | | | | |
| GR-5 | 1-1-71 | F-1 | 6-1-72 | HL-16 | 4-6-73 |
| GR-6 | 1-1-71 | F-2 | 1-1-71 | HL-8 | 4-6-73 |
| GR-3 | 11-9-71 | F-3 | 3-10-69 | HL-9 | 4-6-73 |
| HW-4 | 1-1-70 | HL-15 | 4-6-73 | HL-10 | 4-6-73 |
| HL-12 | 4-6-73 | F-5 | 3-10-69 | HL-11 | 4-6-73 |

SUPPLEMENTAL SPECIFICATIONS

| NUMBER | DATE | NUMBER | DATE |
|--------|---------|--------|----------|
| 815 | 9-20-72 | 814 | 1-1-69 |
| 816 | 9-20-72 | 941 | 11-25-70 |
| 1001 | 9-20-72 | 839 | 11-25-70 |

PREPARED AND RECOMMENDED BY
HOWARD NEEDLES TAMMEN & BERGENDOFF
 CONSULTING ENGINEERS
 CLEVELAND

Browning Crow
BROWNING CROW

| | | |
|----------|-----------------|-------|
| FILE NO. | LAKE COUNTY | 00468 |
| | DATE OF LETTING | |
| | CONTRACT NO. | |

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED

DIVISION ENGINEER _____ DATE _____