

01

CONVENTIONAL SIGNS

Center Line	—+—+—+—	Existing Sewer	— — — — —
Existing R/W	— — — — —	Proposed Sewer	— — — — —
Proposed R/W	— — — — —	Existing Manhole	○
Limited Access Line	—LA—	Proposed Manhole	●
Temporary R/W	—T—	Existing Catch Basin	⊕
Work Agreement Line	—WA—	Proposed Catch Basin	⊕
Property Line	—PL—	Manhole Abandoned	⊗
Original Lot Line	—OL— O.L. 78 O.L. 79	Catch Basin Abandoned	⊗
Water Line	—W—	Existing Guard Rail	— — — — —
Water Valve	—WV—	Proposed Guard Rail	— — — — —
Water Hydrant	—WH—	Fence	—x—x—x—
Gas Line	—G—	Existing Retaining Wall	— — — — —
Gas Valve	—GV—	Railroad	—+—+—+—
Telephone Underground	—TU—	Existing Trees Removed	⊗
Electric Underground	—EU—	Existing Tree Saved	⊗-SAVE
Power Pole	—PP—		
Light Pole	—LP—		
Telephone Pole	—TP—		

MICROFILM  
OCT 1 1981

STATE OF OHIO  
DEPARTMENT OF TRANSPORTATION  
**CUY-252-3.55**  
CUYAHOGA COUNTY  
CITY OF NORTH OLMSTED

IX-IA 28 (5)

FHWA REGION	STATE	PROJECT
5	OHIO	IX-IA 28 (5)

1  
81

CUYAHOGA COUNTY  
CUY-252-3.55

LIMITED ACCESS

This improvement is especially designed for through traffic and the portion north of Butternut Ridge Road has been declared a limited access highway by action of the Director in accordance with the provisions of section 5511.02 of the Revised Code of Ohio.

1983 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 require the part time closing of the highway to traffic, as noted on sheet 2, during which time detours will be provided as shown hereon. Provisions for the maintenance and safety of traffic will be as set forth on the plans and estimates.

Approved Martin A. Gallito  
Date 10/11/83 District Deputy Director of Transportation

Approved \_\_\_\_\_  
Date \_\_\_\_\_ Engineer, Bureau of Bridges and Structural Design

Approved Wayne H. Kauble  
Date 8-13-84 Chief Engineer, Planning and Design

Approved Walter J. Smith  
Date 8-13-84 Director, Department of Transportation

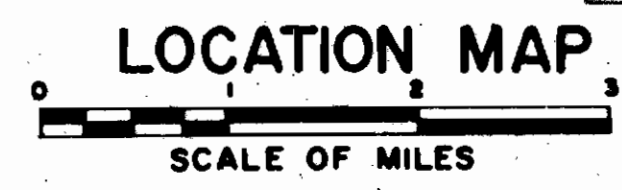
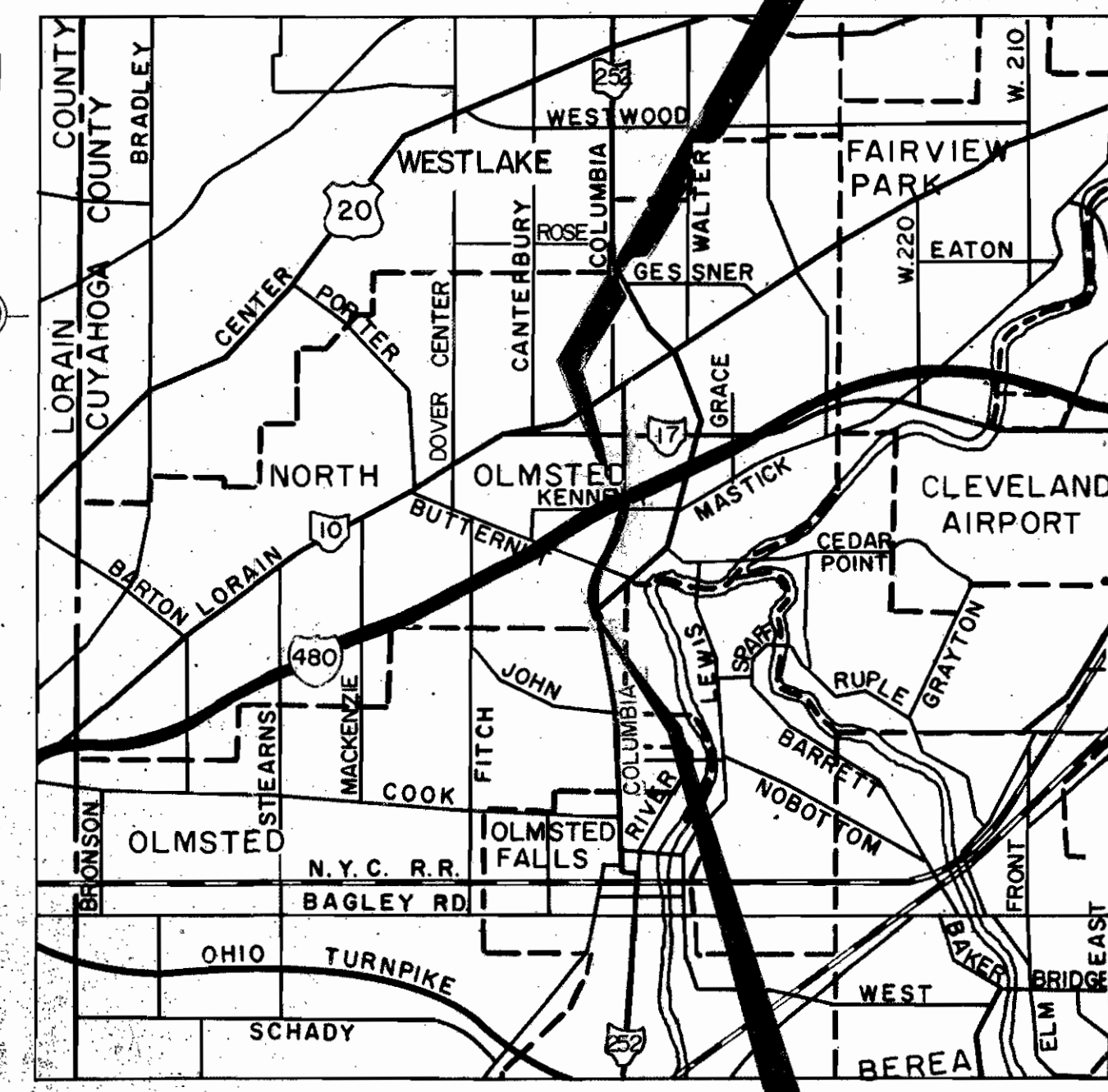
INDEX OF SHEETS

Title Sheet	1	Pavement Details	19-22
Schematic Plan	2	Sewer Profiles	23-24
Typical Sections	3-4	Culvert Details	25-26
General Notes - Detour Map	5-6-6A	Cross Sections	27-37
Pavement Calculations - Drive Quantities	7	Driveway Profiles	38-39
General Summaries	8-10	Butternut Ridge Cross Sections	40-41
Miscellaneous Details	11	Columbia Rd. Cul-De-Sac Cross Sections	43
Superelevation Table	12	Waterwork	44-68
Plan and Profile		Traffic Control - Signal Plans	
Relocated S.R. 252	13-17	69,69A,69B,69C,69D,69E,70-72	
Columbia Rd. Cul-De-Sac	18	Right Of Way	74-81
Butternut Ridge Rd.	18	Sheet 73 Deleted	

LINE DATA

BEGIN PROJECT	STA. 23+75.00
END PROJECT	STA. 60+20.00
LENGTH OF PROJECT	3645.00 L.F. or 0.690 Mi.
ADD. FOR APPROACHES	
STA. 19+59.00 TO STA. 23+75.00	416.00 L.F.
STA. 60+20.00 TO STA. 60+35.00	15.00 L.F.
LENGTH OF WORK	4076.00 L.F. or 0.772 Mi.

SUPPLEMENTAL SPECIFICATIONS	
NUMBER	DATE
803	5-27-83
861	9-9-83
961	9-9-83
989	6-28-82



STANDARD DRAWINGS	
NUMBER	DATE
BP-1	6-1-65
BP-2	12-6-76
BP-3	12-6-76
BP-4	7-16-81
BP-5	7-16-81
BP-6	6-1-65
BP-7	12-6-76
BP-12	7-7-81
CB-2-2-A&B	5-1-79
CB-2-3 & 2-4	5-1-79
CB-3	5-1-79
CB-3A	5-1-79
GR-1	2-5-82
GR-2B	2-5-82
GR-2C	2-5-82
GR-4	2-5-82
GR-4A	2-5-82
HW-4A	4-1-80
HW-4B	4-1-80
I-1	6-1-65
I-2A	5-1-79
LA-1	6-1-79
MC-1	6-13-69
MC-4	7-26-76
MC-5	6-12-75
MC-6	6-1-65
MC-11	8-1-78
MH-1	6-12-75
MH-3	6-12-75
MH-5	6-12-75
MH-4	6-12-75
TC-35.10	10-5-77

STANDARD DRAWINGS	
NUMBER	DATE
TC-41.20	3-26-79
TC-42.20	3-26-79
TC-52.10	4-3-79
TC-52.20	4-3-79
TC-71.10	4-9-79
TC-81.20	4-8-80
HL-10	6-1-79
TC-22.20	3-1-79
TC-12.30	6-10-81
TC-21.20	5-31-79
TC-31.21	3-6-79
TC-32.10	3-8-79
TC-32.11	3-21-79
TC-83.10	4-13-79
TC-83.20	4-17-79
TC-85.10	4-18-79
TC-85.20	4-18-79
TC-65.10	2-26-82
TC-65.12	5-21-81
TC-65.13	5-21-81

DESIGN DESIGNATION  
1984 A.D.T. 12,500  
2004 A.D.T. 35,600  
D.H.V. 2,136  
D. (directional distribution) 50%  
T. (percent BBC trucks) 5%  
V. (design speed) 45 M.P.H.

NOTE: 337  
Project Designation CUY 252-3.45 Appearing Throughout This Plan Shall Be Considered To Read CUY 252-3.55.

FILE NUMBER	CUYAHOGA COUNTY	CUY-252-3.55
	DATE OF LETTING	
	CONTRACT NUMBER	

PLANS PREPARED BY  
ALDEN E. STILSON & ASSOCIATES, LIMITED  
CONSULTING ENGINEERS  
75 PUBLIC SQUARE  
CLEVELAND, OHIO  
FOR  
STATE OF OHIO

DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION

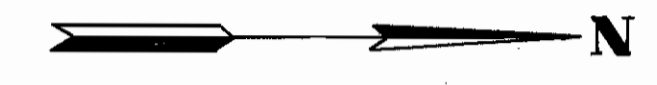
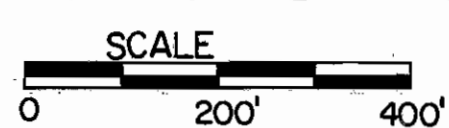
APPROVED: \_\_\_\_\_

DIVISION ADMINISTRATOR DATE: \_\_\_\_\_

# SCHEMATIC PLAN

FHWA REGION	STATE	PROJECT	2
2	OHIO	IX-1A 28(5)	81

CUYAHOGA COUNTY  
CUY-252-3.55



**BEGIN WORK**  
STA. 19+59.00

**BEGIN PROJECT**  
STA 23 + 75.00  
S.L.M. 3.55  
IX-1A 28 (5)

**☉ CURVE DATA**  
 PI STA. 31+96.83  
 $\Delta = 32^\circ 38' 08.5''$   
 $D_c = 3^\circ 00' 00''$   
 $L_s = 200.00'$   
 $T_s = 659.37'$   
 $R = 1909.86'$   
 $L_c = 887.86'$   
 $X_a = 199.95$   
 $Y_c = 3.49'$   
 $E_s = 81.07'$

**☉ CURVE DATA**  
 PI STA. 49+44.84  
 $\Delta = 23^\circ 21' 08.5''$   
 $D_c = 1^\circ 15' 00''$   
 $R = 4583.662'$   
 $T = 947.25'$   
 $L = 1868.19'$   
 $E = 96.85'$

**END WORK**  
STA. 60 + 35.00

**END PROJECT**  
STA 60 + 20.00  
S.L.M. 4.24  
IX-1A 28 (5)

