MICROFILMED
DEC 16 1985

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS
DISTRICT 6

SIGN UPGRADING

OHIO	1
FHWA REGION 5	94
IR-270-4(36)110 FEDERAL PROJECT	

FRA-270 - 0.00

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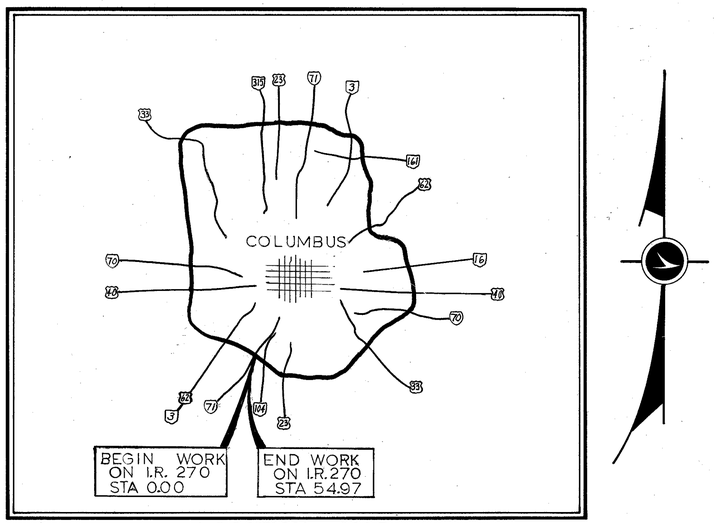
DEC 27 1991

CONVENTIONAL SIGNS

County Line
Township Line
Section Line
Corporation Line or
Fence Line (existing) (proposed)
Center Line 352 353
Trees, Stumps, (to be removed)
Utility Poles: Telephone, Power, Light.

Limited Access (only) LA
Right of Way (only) RW
Limited Access & Right of Way LA & RW
Existing Right of Way
Property Line (in existing fence)
Railroad or
Guardrail (existing) (proposed)

INDEX OF SHEETS



LOCATION MAP

SCALE IN MILES
0 5 10 15 20

Portion to be improved
State & Federal Routes

SCALES

Plan MILES 0 1 2 3 4

1985 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 the plans and estimates

Approved Edwin L. Tilda
Date 2-8-84 District Deputy Director of Transportation

Approved
Date Engineer, Bureau of Bridges and Structural Design

Approved James R. Longenecker for
Date 9-16-85 Chief Engineer, Operations

Approved Warren J. Smith
Date 9-16-85 Director, Department of Transportation

LINE DATA

Begin Work Sta 0.00
End Work Sta 54.97
Total Length of Work = 290,241.60 Lin. Ft. or 54.97 Miles
Total Length of Project = 0.00 L.F. or 0.00 Miles

UNDERGROUND UTILITIES
48 HOURS
BEFORE YOU DIG
Call ··· 800-362-2764 (Toll free)
OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS MUST BE CALLED DIRECTLY

SUPPLEMENTAL SPECIFICATIONS	

SUPPLEMENTAL PRINTS OF STANDARD CONSTRUCTION DRAWINGS					
TC-22.10	3-1-79	TC-35.10	8-29-84		
TC-22.20	3-1-79	TC-41.40	6-18-79		
TC-31.21	3-6-79	TC-42.10	8-19-77		
TC-32.10	3-8-79	TC-51.10	1-20-84		
TC-32.11	3-21-79	TC-51.11	1-20-84		
TC-41.10	8-29-84	TC-52.10	4-3-79		
TC-41.20	3-26-79	TC-52.20	4-3-79		

Plan Prepared By:
DISTRICT NO. 6
OHIO DEPARTMENT OF TRANSPORTATION

SEAL

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:

DIVISION ADMINISTRATOR DATE

Project: FRA-270-0.00
Date of Letting 19__, Contract No.

LD0300 Rev. 1-1-81

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DEC 16 1985

GENERAL NOTES

FRA-270-0000

FED RD DIVISION	STATE	PROJECT	
5	OHIO		

SCOPE OF WORK

THIS CONTRACT IS TO UPGRADE EXISTING FREEWAY AND EXPRESSWAY GUIDE SIGNS, BY OVERLAYING EXISTING SIGNS, REMOVING EXISTING SIGNS AND REPLACING WITH NEW SIGNS, OR ADDING NEW SIGNS WHERE NONE HAVE EXISTED.

TO ACCOMPLISH THE ABOVE INTENT THE FOLLOWING WORK SHALL BE PERFORMED:

A. GUIDE SIGNS

1. OVERLAY

(I) SEE SHEET 2A

2. REPLACEMENT

(I) REMOVE DAMAGED EXTRUSHEET SIGNS AND REPLACE WITH NEW EXTRUSHEET SIGNS WITH COPY, BORDER AND SHIELDS AS DESIGNATED IN THE PLANS.

3. NEW EXTRUSHEET SIGNS

THE CONTRACTOR SHALL SUBMIT PRIOR TO FABRICATION TWO SETS OF SIGN WORKING DRAWINGS IN ACCORDANCE WITH ALL REQUIREMENTS OF 630.03 UNLESS EXCEPTED HEREIN TO THE OHIO DEPARTMENT OF TRANSPORTATION, BUREAU OF TRAFFIC, 25 SOUTH FRONT STREET, COLUMBUS, OHIO, 43216-0899 ATTENTION: PLAN DEVELOPMENT SECTION. THE DRAWINGS SHALL BE PROCESSED THROUGH THE DISTRICT CONSTRUCTION OFFICE.

B. FLAT SHEET

1. LOCATION IDENTIFICATION MARKERS

(I) INSTALL NEW SIGNS ON EXISTING STRUCTURES WITH TYPES OF ATTACHMENTS AS DESIGNATED IN THE PLANS.

ALL OVERLAYS AND SIGNS WILL BE FURNISHED BY THE CONTRACTOR INCLUDING MISCELLANEOUS HARDWARE, LABOR AND EQUIPMENT REQUIRED TO COMPLETE THE ITEMS DESIGNATED IN THE PLANS.

630 SIGNS, EXTRUSHEET

INSTALLATION OF A NEW SIGN REQUIRING A BACKING ASSEMBLY SHALL BE INCLUDED IN THE UNIT PRICE. PAYMENT SHALL BE AT CONTRACT UNIT PRICE PER SQUARE FOOT

630 REMOVAL OF OVERHEAD MOUNTED SIGNS, AS PER PLAN

REMOVING OVERHEAD ROUTE MARKING AND EXTRUSHEET SIGNS AS DESIGNATED IN THE PLANS SHALL INCLUDE REMOVING OF BACKING ASSEMBLY, CLAMPS AND ANY ITEM THAT HOLDS THE SIGNS TO THE OVERHEAD STRUCTURE.
PAYMENT SHALL BE AT CONTRACT UNIT PRICE PER EACH.

625.02 HAZARDOUS MATERIALS

NO MATERIALS FURNISHED UNDER THIS SPECIFICATION SHALL CONTAIN POLY-CHLORINATED BIPHENYLS (PCBS). TRANSFORMERS, BALLAST AND CAPACITORS SHALL BE MARKED " NO PCBS " IN ACCORDANCE WITH FEDERAL ENVIRONMENTAL PROTECTION AGENCY 40 CFR 761.

FIELD OFFICE

THE CONTRACTOR SHALL PROVIDE A SUITABLE FIELD OFFICE HAVING A MINIMUM OF 400 SQ. FT. OF FLOOR SPACE. PAYMENT SHALL BE AT THE LUMP SUM PRICE BID FOR ITEM 619, FIELD OFFICE.

ITEM 630 SIGNS, EXTRUSHEET TYPE. G
IN LIEU OF THE REQUIREMENTS OF 630.04, REFLECTIVE SHEETING SHALL BE TYPE G IN CONFORMANCE WITH THE REQUIREMENTS OF 730.19. PAYMENT FOR THIS ITEM SHALL BE MADE AT THE UNIT PRICE BID PER SQUARE FOOT FOR ITEM 630 SIGNS EXTRUSHEET, TYPE G.

630 REMOVAL OF GROUND MOUNTED MAJOR SIGNS AS PER PLAN

CARE SHOULD BE TAKEN SO AS NOT TO DISTURB THE SUPPORTS UNLESS THEY ARE DESIGNATED FOR REMOVAL AS SHOWN IN THE PLANS.

ALL SIGNS AND/OR SUPPORTS DESIGNATED FOR REMOVAL IN THE PLANS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND WILL BE DISPOSED OF BY THE CONTRACTOR OUTSIDE THE LIMITS OF THE RIGHT OF WAY.

PAYMENT FOR REMOVAL OF EXISTING GROUND MOUNTED SIGNS SHALL INCLUDE THE SUPPORTS, IF DESIGNATED FOR REMOVAL, ALL NECESSARY LABOR AND EQUIPMENT REQUIRED TO PERFORM THE WORK DESCRIBED ABOVE.

BASIS OF PAYMENT SHALL BE AS FOLLOWS:

1. REMOVAL OF GROUND MOUNTED SIGN AS PER PLAN (AT THE CONTRACT UNIT PRICE PER EACH).

2. REMOVAL OF GROUND MOUNTED MAJOR SIGN AS PER PLAN (AT THE CONTRACT UNIT PRICE PER EACH).

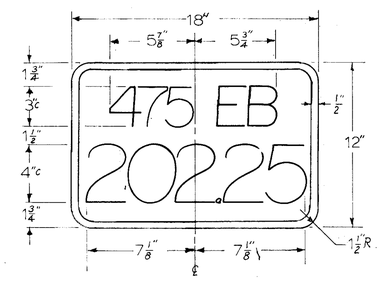
630 SIGNS FLAT SHEET AS PER PLAN

A. LOCATION IDENTIFICATION MARKER

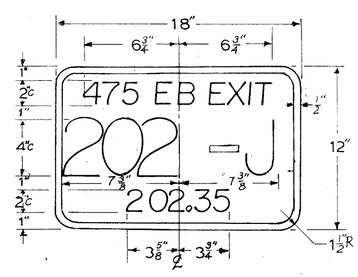
THIS ITEM SHALL CONSIST OF THE FURNISHING AND INSTALLING OF THE IDENTIFICATION MARKER TO EXISTING SIGN STRUCTURES, INCLUDING THE TYPE OF MOUNTING HARDWARE AND SHALL BE PAID FOR AT THE UNIT PRICE BID FOR 630 SIGNS FLAT SHEET.

TYPE OF MARKERS SHALL BE "HIGHWAY" (N-44B) AND "RAMP" (N-43B)

HIGHWAY MARKER (N-44B)



RAMP MARKER (N-43B)



THE MARKERS SHOWN ABOVE ARE TYPICAL DESIGN. FOR EACH STRUCTURE THE LEGEND ON EACH MARKER IS SHOWN ON THE LINE SHEETS.

BOTH THE N-44B AND N-43B SIGNS SHALL BE A WHITE REFLECTORIZED LEGEND ON A REFLECTORIZED BLUE BACKGROUND.

THE TYPE OF MOUNTING APPARATUS FOR DIFFERENT TYPES OF EXISTING STRUCTURES MAY BE AS FOLLOWS:

TYPE	EXISTING SIGN SUPPORTS	METHOD OF ATTACHMENT
I	DRIVE POST	BOLT MARKER (2 BOLTS) TO LEFT POST OF EXISTING SIGN SUPPORT WITHIN 6" BELOW MAJOR SIGN.
II	BREAKAWAY OR WIDE FLANGE POST	BOLT MARKER (2 BOLTS) TO RIGHT OF LEFT POST OF EXISTING SIGN SUPPORT PER TC-42.10 (NOTE 1.) NO. 1 POST SHALLBE USED IN LIEU OF NO. 3 POST.
III	OVERHEAD SIGN SUPPORTS	BOLT MARKER ON THE RIGHT END FRAME OF OVER HEAD STRUCTURES OR VERTICAL SUPPORT OF CANTILEVER OR BUTTERFLY MARKER SHALL BE APPROXIMATELY 7' ABOVE EDGE OF PAVEMENT. MARKER SHALL BE INSTALLED PER TC-41.40 (SIGN SUPPORT ASSEMBLY, POLE MOUNTED). DELETE THE NO. 2 OR NO. 3 POST.

MAINTAINING TRAFFIC

IT IS THE INTENTION TO PERFORM THE REQUIRED WORK WITH THE LEAST INCONVENIENCE TO AND THE MAXIMUM SAFETY OF THE CONTRACTOR AND THE TRAVELING PUBLIC. ANY VARIANCE FROM THESE MAINTENANCE OF TRAFFIC NOTES MUST BE APPROVED IN ADVANCE IN WRITING BY THE ENGINEER, EXCEPT AS MODIFIED BELOW. THE REQUIREMENTS FOR MAINTAINING TRAFFIC AS INDICATED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, AND PERTINENT ITEMS OF THE SPECIFICATIONS AND PROPOSAL SHALL APPLY.

THE CONTRACTOR SHALL ARRANGE HIS OPERATION TO PREVENT ANY INTERFERENCE TO THE TRAVELING PUBLIC. TRAFFIC SHALL BE MAINTAINED ON THE EXISTING PAVEMENT WITHOUT INTERRUPTION UNLESS APPROVED BY THE ENGINEER. ALL VEHICLES, EQUIPMENT, MEN AND THEIR ACTIVITIES ARE RESTRICTED AT ALL TIMES TO ONE SIDE OF THE PAVEMENT UNLESS OTHERWISE APPROVED BY THE ENGINEER.

THE CONTRACTOR SHALL ARRANGE TRAFFIC CONTROL DEVICES SO TRAFFIC TO AND FROM THE FREEWAY IS MAINTAINED AT ALL TIMES.

PLACEMENT OF ALL TRAFFIC CONTROL DEVICES SHALL START AND PROCEED IN THE DIRECTION OF THE FLOW OF TRAFFIC. REMOVAL OF TRAFFIC CONTROL DEVICES SHALL START AT THE END OF THE CONSTRUCTION AREA AND PROCEED TOWARD ON COMING TRAFFIC. THE CONTRACTOR SHALL PROVIDE FOR THE INSTALLATION OF ALL NECESSARY TRAFFIC CONTROL DEVICES BEFORE BEGINNING WORK AND THEIR IMMEDIATE REMOVAL AS SOON AS WORK IS SUSPENDED OR COMPLETED.

THE CONTRACTOR WILL BE RESTRICTED FROM WORK ALONG THE TRAVELED ROADWAY INCLUDING PAVED SHOULDERS BETWEEN 6:00 A.M. TO 9:00 A.M. AND 3:00 P.M. TO 5:00 P.M. WEEK DAYS OR AS DIRECTED BY THE ENGINEER.

ON NATIONAL HOLIDAYS THE PERIOD OF TIME DESIGNATED BY THE ENGINEER WILL NORMALLY BE FROM 3:00 P.M. ON FRIDAY TO 6:00 A.M. ON TUESDAY. NO LANE OR THEIR BERM CLOSURES, OR RESTRICTION OF ANY TYPE SHALL BE IN EFFECT. TRAFFIC SHALL BE MAINTAINED ON ALL EXISTING LANES.

ON TWO LANE, TWO WAY HIGHWAYS, ONE LANE CLOSURES WILL BE PROHIBITED BETWEEN THE HOURS OF 6:00 A.M. AND 9:00 A.M. AND 3:00 P.M. AND 6:00 P.M. MONDAY THROUGH FRIDAY. ONE-LANE CLOSURES WILL BE OPERATED BY THE USE OF A FLAG PERSON AND WILL BE REQUIRED WHENEVER TRAFFIC IS RESTRICTED TO LESS THAN THE NORMAL WIDTH OF THE TRAVELLED PAVEMENT, ON TWO-LANE HIGHWAYS. WHEN NECESSARY, LANE CLOSURES SHALL BE ACCOMPLISHED IN ACCORDANCE WITH DETAILS SHOWN ON SHEET 87 THROUGH 94 .

TRAFFIC CONTROL FOR WORK CONFINED TO THE SHOULDER SHALL CONFORM TO PART 7 OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, FIGURE C-12.

PAYMENT OF THIS ITEM SHALL INCLUDE ALL LABOR, EQUIPMENT AND MATERIAL NECESSARY TO ESTABLISH ADEQUATE TRAFFIC CONTROL AND SHALL BE PAID FOR AS A LUMP SUM BID FOR ITEM 614 MAINTAINING TRAFFIC.

UNDERGROUND UTILITIES The locations of the underground utilities are as obtained from the owners of the utility as required by Section 153.64 O.R.C.

UTILITY OWNERSHIP The following utilities and owners are located within the work limits of this project:
OHIO DEPARTMENT OF TRANSPORTATION, District 6 East Williams St., Delaware, Ohio 43015
PHONE: 614-363-1251

TRAFFIC CONTROL STANDARD CONSTRUCTION DRAWINGS
References to Supplemental Specifications 857, 858, 859, 957, 958 and 959 on the traffic control standard construction drawings in these plans shall be considered to read as respective references to items 630, 631, 632, 730, 731 and 732

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PLAN NO.

DESCRIPTION

The work shall consist of removing all copy from the extrusheet aluminum signs and furnishing and erecting permanent overlays (including new reflective background and copy). The overlays will be directly attached to the aluminum extrusheet on the sign proper, the exit number panel, and the glare shield when needed. The Contractor is responsible for furnishing all material, labor, and equipment necessary to perform the work.

REMOVAL

In addition to the requirements of Item 630.12, the Contractor shall remove and dispose of all existing copy, including legend, border, shields and existing overlays. The Contractor's removal technique shall not damage the extrusheet aluminum and shall leave the surface of the extrusheet aluminum smooth, with no indentations or protrusions from fasteners, no aluminum burrs, and no scaling from reflective sheeting, which will impair the appearance or function of the overlays when attached. The cost of removing all existing copy shall be included under Item 630, Signs, Permanent Overlay.

MATERIAL

1. Flat Sheet Aluminum and Fiberglass Reinforced Plastics - Overlays, shields and service symbol signs shall be fabricated from .040 inch flat sheet aluminum, ASTM B209, 6061-T6 in accordance with Item 730.11 or .075 inch fiberglass reinforced plastics (FRP) meeting the "Recommended Traffic Control Sign Panel Specification" published by the Society of the Plastics Industry. Overlays for glare shields may also be .075 inch FRP "tinted" to match the color of the sign under daylight viewing conditions per Item 630.04(6).

2. Reflective Sheeting - shall be Type F or G as required in the plan and meet the requirements of Item 630.02.

3. Nonreflective Sheeting - Glare shield overlays fabricated from .040 inch flat sheet aluminum shall be covered with nonreflective sheeting per Item 630.02 and Item 630.04(6).

4. Copy

   a) Legends and Borders - shall be white, demountable embossed copy with reflector units meeting the requirements of Item 630.02, except that when black is required for shields it shall be direct applied copy meeting the requirements of Item 630.04(5g) and when black is required for EXIT ONLY panels and FREEWAY/LANE ENDS signs it shall be demountable embossed copy meeting the requirements of Item 630.04(5b).

   b) Service Symbol Signs - shall be demountable and fabricated from .040 inch flat sheet aluminum or .075 inch Fiberglass reinforced plastic covered with Type G white reflective sheeting in accordance with Item 630.04(3) and the legend shall be formed from reverse screened blue paste conforming to Item 730.22.

   c) Shields - Interstate, U.S. and Ohio shields shall be fabricated in accordance with Item 630.04(5e), with the exception that the reflective sheeting shall be Type G.

5. Fasteners

   a) Copy - including legends, border, shields and service symbol signs shall be fastened to the overlays with Avex #1601-0414 rivets having a .1265 inch diameter, .205 inch head diameter, and .445 inch maximum length. Rivets shall be used to attach shields to the overlays in lieu of steel truss head bolts as specified in Item 630.04(5e).

   b) Overlays - shall be fastened to the extrusheet aluminum with Avex #1601-0619 rivets having a .188 inch diameter, .339 inch head diameter, .602 inch maximum length or #10, 3/4-inch self-drilling screws, fabricated from stainless steel alloy #410.

OVERLAY FABRICATION

1. The number of individual overlays per sign shall be kept to a minimum and approximately equal in size with no overlay having a length or width dimension less than 18 inches, except as noted in item 6 below. Overlay signs shall be furnished in sections no larger than 5 by 4 feet. Where sign dimensions will permit, vertical joints shall be used in lieu of horizontal joints.

2. The legend (i.e. word or symbol) on overlays shall be laid out according to the FHWA Standard Highway Signs Booklet and the ODOT Design Manual for Directional Guide Signs. The sign design and layout of service symbol signs shall be in accordance with the Ohio Manual of Uniform Traffic Control Devices for Streets and Highways and the ODOT Standard Sign Design Manual.

The Contractor shall submit to the Director two sets of sign legend working drawings prior to fabrication. Sign legend working drawings submitted shall show all guide sign legend with copy type, character size and spacing; shall include reference and/or code numbers; and shall be in accordance with all other requirements of Item 630.03.

3. All copy including legends, borders, shields and service symbol signs, shall be shop mounted except for any copy which when attached would be common to two or more individual overlays.

4. A sign identification decal in accordance with Item 630.04(7) shall be applied by the sign fabricator to the front, bottom, lefthand corner of the left most overlay for each sign, in the area outside the border. Similarly, a sign identification decal in accordance with Item 630.04(7) shall be applied to the back, bottom, left-hand corner of the extrusheet aluminum by the Contractor.

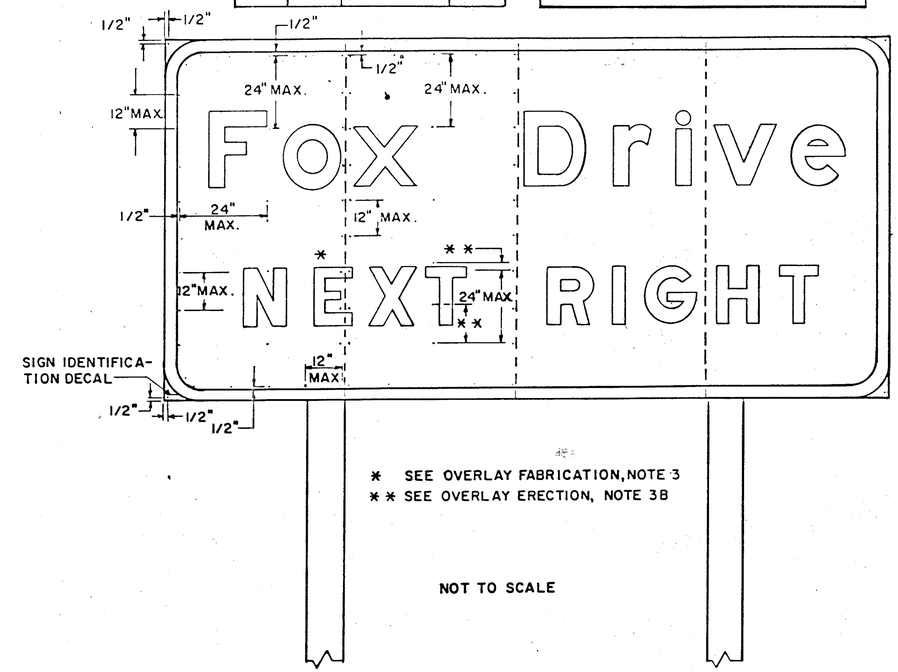
5. All overlays shall be packaged, shipped, stored and erected in such a manner that they are not scratched, dented, bent or damaged in any way which would reduce the effective life of the reflective sheeting or components of the copy. They shall be stored in such a manner that packaging paper or cardboard material does not become wet. If paper packaging material or slip sheeting becomes wet, the paper shall be removed from contact with sign faces before it dries to prevent damage to the reflective sheeting. Damage to the overlays will be cause for rejection.

6. Should it be found that a sign overlay does not evenly fit the existing extrusheet sign, the Contractor shall be paid under Item Special Signs Permanent Overlay Reworked, on a per square foot basis, for the additional work and material needed to reduce or enlarge the size of the overlay to conform to the following tolerances. A quantity of 100 square feet has been placed on the General Summary for this type of work, to be used as directed by the Engineer.

   If the complete overlay is too small to cover the existing sign, it shall be centered on the existing extrusheet and additional overlay material of the same type shall be furnished and installed by the Contractor to cover the remaining portion of the sign. If the additional material measures more than 6 inches on a side the border shall be adjusted to the outside edge of the additional overlay material.

   If the complete overlay when centered on the extrusheet overhangs the existing sign by more than 6 inches on a side, the Contractor shall rework the overlay using the incorrect overlay material to the greatest extent practicable so that it fits the existing sign within this tolerance.

   Legend spacing shall comply with all overlay fabrication requirements stated above (Overlay Fabrication, paragraph 2) to the greatest extent practicable as determined by the Engineer.



* SEE OVERLAY FABRICATION, NOTE 3
** SEE OVERLAY ERECTION, NOTE 3B

NOT TO SCALE

OVERLAY ERECTION

1. Sequence of Work - The Contractor may use more than one crew to perform the work; however, only one directional guide sign per direction per interchange or intersection may be overlaid at one time. Additionally, where two or more signs are placed on the same support, only one sign may be overlaid at one time.

2. Repairing Existing Extrusheet Aluminum Surface - Dents and abrasions originating on the back of the extrusheet sign and protruding to the front shall be hammered flush with the remaining extrusheet surface prior to overlaying to avoid bulges, dimples, etc. in the overlay when erected.

3. Fastener Spacing for Attaching Overlays to Extrusheet Aluminum

   a) The maximum fastener spacing around the perimeter of each overlay shall be 12 inches. Fasteners shall be set back one-half inch from each edge of the overlay panel, except where borders exist. In this case, rivets shall be set back one-half inch from the inside of the border.

   b) The maximum fastener spacing within the interior of each overlay shall be 24 inches. Fasteners used in attaching overlays to the extrusheet aluminum shall not be fastened through any demountable embossed copy, shields or service symbol signs.

   c) An additional fastener shall be placed one-half inch from each edge at the four corners of the sign.

4. Joints - All joints between individual overlays shall be butt jointed with no gaps between adjacent overlays.

METHOD OF MEASUREMENT

Permanent overlays will be measured as the area, in square feet, of overlay furnished and erected in place, and includes the removal and disposal of all existing copy. Permanent overlays reworked will be measured as the difference in the area, in square feet, between the oversized or undersized overlay and the final reworked overlay in place; this will include additional labor, overlay material, border, copy and fasteners as needed.

BASIS OF PAYMENT

Quantities of permanent overlays and "overlays reworked" measured as provided above, in place, complete and accepted, will be paid for under:

Item	Unit	Description
630	Square Foot	Signs, Permanent Overlay
Special	Square Foot	Signs, Permanent Overlay Reworked

BUREAU OF TRAFFIC
DEPARTMENT OF TRANSPORTATION

HIGHWAY SIGNING

PERMANENT OVERLAY PANEL INSTALLATION

DATE
10/6/82
12/2/82
12/20/82
8/1/84

PLAN
DESIGN
DRAWING

HS-1.00

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GENERAL SUMMARY

ITEM	33A	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15A	15	14	13	12	11	10	9	8	7	6	5	4	ITEM	QUANT.	UNIT	DESCRIPTION
630		0	3	0	3	1	0	5	0	0	2	1	0	0	1	1	0	1	0	0	0	11	1	0	8	1	6	4	8	6	2	12	630	77	Each	Removal, Overhead Mounted Signs, As Per Plan
630		0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	4	0	0	1	1	1	0	0	0	0	2	1	630	12	Each	Removal, Ground Mounted Major Signs, As Per Plan
630		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	4	0	0	2	0	0	0	0	1	630	8	Each	Removal, Ground Mounted Signs, As Per Plan
630		7.5	22.5	25.5	21	15	18	13.5	21	21	18	18	24	19.5	25.5	24	27	22.5	16.5	21	22.5	16.5	27	28.5	21.0	22.5	21	19.5	21	19.5	24	24	630	648.0	Sq.Ft	Signs, Flat Sheet, As Per Plan
630		0	0	0	328	191.5	13	0	0	0	423	0	60	0	17	21	0	284	0	0	416.5	160	178.5	173.5	45.5	40	36	127.5	200	0	450	871.5	630	4,036.5	Sq Ft	Signs, Extrusheet, Type G
																																	630	100	Sq.Ft.	Signs, Permanent Overlay Reworked, Type G
630		1,230.0	2,833.0	1,885.0	2,161.00	2,429.0	2,948.0	3,226.5	3,186.0	3,324.5	3,421.7	1,826.0	1,811.0	491.0	1,688.0	2,825.2	2,408.5	2,638.0	3,184.3	3,079.0	1,820.5	3,179.0	1,238.5	1,325.0	1,762.5	1,772.0	1,611.0	3,332.0	1,875.0	2,550.0	1,337.5	1,920.0	630	69,724.2	Sq.Ft.	Signs, Permanent Overlay, Type G
630		0	0	0	3	1	0	0	0	0	2	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	1	2	0	2	5	630	19	Each	Sign Attachment Assembly
630		0	0	0	6	2	0	0	0	0	4	0	0	0	0	0	0	3	0	0	0	2	2	0	0	0	0	2	2	0	6	10	630	39	Each	Luminaire Support Assembly, Type II
631	28																																631	28	Each	Removal of Luminaire and Reerection
631	18																																631	18	Each	Signs Wired
631	9																																631	9	Each	Removal of Luminaire and Storage
631	7																																631	7	Each	Removal of Ballast
631	9																																631	9	Each	Mercury Vapor Luminaire, Type H38HT-100 with 100 Watt Lamp
631	9																																631	9	Each	Ballast, Type CMRI-100
631	4																																631	4	Each	Ballast Wiring Enclosure, Type 4
631	4																																631	4	Each	Ballast Wiring Enclosure Mounting Bracket
631	2																																631	2	Each	Mercury Vapor Luminaire, Type H39KB-175 with 175 Watt Lamp
631	2																																631	2	Each	Ballast, Type CMRI-175
630	13																																630	13	Each	Removal of Overhead Mounted Sign and Reerection
630	4																																630	4	Each	Removal of Ground Mounted Major Sign and Reerection
630	28																																630	28	Each	Removal of Ground Mounted Post Support
630	2																																630	2	Each	Removal of Ground Mounted Beam Support
630	315																																630	315	Lin.Ft.	Ground Mounted Supports, W10×12 Beam
630	74																																630	74	Lin.Ft.	Ground Mounted Supports, S4×7.7 Beam
630	49																																630	49	Lin.Ft.	Ground Mounted Supports, No. 4 Posts
630	18.68																																630	18.68	Cu.Yd.	Concrete For Embedded Foundation
630	16																																630	16	Each	Breakaway Beam Connection
614																																	614	Lump	Lump	Maintaining Traffic
619																																	619	Lump	Lump	Field Office
623																																	623	Lump	Lump	Construction Layout Stakes
624																																	624	Lump	Lump	Mobilization

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SUB SUMMARY

FHWA REGION	STATE	PROJECT	
5	OHIO		

FRA-270-00.00

SH. NO.	REF. NO.	MILE	STRUCTURE NO.	SIGN	SIGN CODE	SIGN SIZE FT. X FT.	WORK REQUIRED: REMOVE SIGN	ERECT SIGN	OVERLAY SIGN		ITEM 630: SIGNS PERMANENT OVERLAY SQ. FT.	SIGNS EXTRUSHEET SQ. FT.	SIGNS FLAT SHEET AS PER PLAN SQ. FT.	REMOVAL GRD. MOUNTED SIGN AS PER PLAN EACH	REMOVAL GRD. MOUNTED MAJOR SIGN AS PER PLAN EACH	REMOVAL OVERHEAD MTD. SIGN AS PER PLAN EACH	SIGN ATTACHMENT ASSEMBLY	LUMINAIRE SUPPORT ASSEMBLY, TYPE II		MOUNTING BRACKET TYPE	REF. NO.	SH. NO.
34	1	0	FRA270W00008-Z		IM-8	2 × 1	×									2					1	34
					IM-37, 40	2 × 1	×									2						
					M-5-24	2 × 2	×									2						
				(a)	GG	18 × 7			×		126.00											
				(b)	GE	17 × 7			×		119.00											
					N-43b	1.5 × 1		×					1.50							III		
	3	0	FRA270E00046	(a)	GG	17 × 9.5			×		161.50										3	
				(b)	GB	16 × 12	×	×		For Lighting Quantities See Sheet No. 33A		192.00				1	1	2				
					GEP-84	7 × 2			×		14.00											
					N-44b	1.5 × 1		×					1.50							III		
	4	0	FRA270E00031-P	(a)	GG	16 × 7			×		112.00										4	
				(b)	GE	17 × 7			×		119.00											
					N43b	1.5 × 1		×					1.50							III		
	5	0	FRA270E00014		Special	10 × 10			×		100.00										5	
35	3		FRA270W00095		GB	15 × 9			×		135.00										3	35
					GEP-72	6 × 2			×		12.00											
					N-44b	1.5 × 1		×					1.50							III		
	4		FRA270E00098	(a)	GG	17 × 9.5			×		161.50										4	
				(b)	GB	16 × 12	×	×		For Lighting Quantities See Sheet No. 33A		192.00				1	1	2				
					GEP-84	7 × 2			×		14.00											
					N-44b	1.5 × 1		×					1.50							III		
	5	1	FRA270W00122		GC	14 × 7	×	×		For Ground Mounted Support Quantities See		98.00			1						5	
					GEP-72	6 × 2			×	Sheet No. 33A.	12.00											
					N-44b	1.5 × 1		×					1.50							II		
	6	1	FRA270W00150		GB	15 × 8.5			×		127.50										6	
					GEP-72	6 × 2			×		12.00											
					N-44b	1.5 × 1	×						1.50							III		
	7	1	FRA270E00152	(a)	GG	17 × 9.5			×		161.50										7	
					GL Shield	17 × 1	×		×		17.00					1						
				(b)	GB	14 × 11			×		154.00											
					GL Shield	14 × 1			×		14.00											
					N-44b	1.5 × 1		×					1.50									
36	1	1	FRA270W00185		GE	18 × 7			×		126.00										1	36
					GEP-72	6 × 2			×		12.00											
					N-44b	1.5 × 1		×					1.50							III		
	3	2	FRA270W00203-M		D-4B	12 × 4	×	×		For Ground Mounted Support Quantities See		48.00									3	
					D-4A	12 × 2	×	×		Sheet No. 33A.		24.00										
					N-43b	1.5 × 1		×					1.50							I		
	4	2	FRA270E00247		GE	18 × 7			×		126.00										4	
					GEP-72	6 × 2			×		12.00											
					N-44b	1.5 × 1		×					1.50							III		
	5	2	FRA270E00227-H		D-4B	12 × 4	×	×	×	For Ground Mounted Support Quantities See	48.00										5	
					D-4A	12 × 2	×	×	×	Sheet No. 33A.	24.00											
					N-43b	1.5 × 1		×					1.50							I		
	6	7	FRA062N00795		M-52A	8 × 2.5			×			20.00		1							6	
					N-44b	1.5 × 1		×					1.50							I		
	7	8	FRA062N00800		GH-1	13 × 6	×	×		For Lighting Quantities See Sheet No. 33A.		78.00				1	1	2			7	
					N-44b	1.5 × 1		×					1.50							III		
	8	8	FRA062N00820		GH	13 × 9.5	×	×		For Lighting Quantities See Sheet No. 33A.		123.50				1	1	2			8	
					N-44b	1.5 × 1		×					1.50							III		
	9	8	FRA062N00831		GH-1	16 × 6	×	×		For Lighting Quantities See Sheet No. 33A.		96.00				1	1	2			9	
					N-44b	1.5 × 1		×					1.50							II		
										SUB-SUM	1,920.00	871.50	24.00	1	1	12	5	10		I 3 / II 2 / III 10	

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SUB SUMMARY

FHWA REGION	STATE	PROJECT	
5	OHIO		

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FRA-270-00.00

SH. NO.	REF. NO.	MILE	STRUCTURE NO.	SIGN	SIGN CODE	SIGN SIZE FT. X FT.	WORK REQUIRED: REMOVE SIGN	ERECT SIGN	OVERLAY SIGN		ITEM 630: SIGNS PERMANENT OVERLAY SQ. FT.	SIGNS EXTRUSHEET SQ. FT.	SIGNS FLAT SHEET AS PER PLAN SQ. FT.	REMOVAL GRD. MOUNTED SIGN AS PER PLAN EACH	REMOVAL GRD. MOUNTED MAJOR SIGN AS PER PLAN EACH	REMOVAL OVERHEAD MTD. SIGN AS PER PLAN EACH	SIGN ATTACHMENT ASSEMBLY	LUMINAIRE SUPPORT ASSEMBLY, TYPE II		MOUNTING BRACKET TYPE	REF. NO.	SH. NO.
36	10	8	FRA0625 00842		M-52 B	12 × 5.5			×		66.00										10	36
					GL Shield	12 × 1		×				12.00										
					N-44b	1.5 × 1		×					1.50							III		
	11	8	FRA0625 00835		D-4B	12 × 4	x	x	×	For Ground Mounted Support Quantities See	48.00										11	
					D-4A	12 × 2	x	x	×	Sheet No. 33A.	24.00											
					N-44b	1.5 × 1		×					1.50							I		
	12	8	FRA0625 00834		D-4A	9 × 2			×		18.00										12	
					N-44b	1.5 × 1		×					1.50							I		
	13	8	FRA0625 00832		M-45	3.5 × 5.5			×		19.50										13	
					N-44b	1.5 × 1		×					1.50							I		
	14	8	FRA0625 00811		GH-1	13 × 6	x	x				78.00			1						14	
					N-44b	1.5 × 1		x					1.50							II		
37	2	2	FRA 270E 00288		GB	15 × 8.5			×		127.50										2	37
					GEP-72	6 × 2			×		12.00											
					N-44b	1.5 × 1		x					1.50							III		
	4	3	FRA 270W 00372		GB	20 × 6			×		120.00										4	
					GEP-72	6 × 2			×		12.00											
					GL Shield	20 × 1			×		20.00											
					N-44b	1.5 × 1		x					1.50							III		
	5	3	FRA 270E 00344		GB	15 × 9			×		135.00										5	
					GEP-72	6 × 2			×		12.00											
					N-44b	1.5 × 1		x					1.50							III		
	6	3	FRA 270E 00313		GC	12 × 7	x	x		For Ground Mounted Support Quantities See		84.00			1						6	
					GEP-72	6 × 2	x	x	×	Sheet No. 33 A.	12.00											
					N-44b	1.5 × 1		x					1.50							II		
38	1	4	FRA 270 W 00424		GB	20 × 5.5			×		110.00										1	38
					GEP-72	6 × 2			×		12.00											
					GL Shield	20 × 1			×		20.00											
					N-44b	1.5 × 1		x					1.50							III		
	2	4	FRA270W00468		GE	23 × 6	x	x		For Lighting Quantities See Sheet No. 33 A.		138.00				1	1	3			2	
					GEP-72	6 × 2	x	x	×		12.00											
					GL Shield				×													
					N-44b	1.5 × 1		x					1.50							III		
	3	4	FRA270W00494-M		D-4E	10 × 3			×		30.00										3	
					N-43b	1.5 × 1		x					1.50							II		
	5	5	FRA270S 00523		GE	23 × 6	x	x		For Lighting Quantities See Sheet No. 33 A.		138.00				1	1	3			5	
					GEP-72	6 × 2	x	x	×		12.00											
					N-44b	1.5 × 1		x					1.50							II		
	6	4	FRA 270S00497-H		D-4E	10 × 3			×		30.00										6	
					N-43b	1.5 × 1		x					1.50							II		
	7	4	GEO-N 00413		GH-1	15 × 5.5			×		82.50										7	
					GL Shield	1 × 15			×		15.00											
					N-44b	1.5 × 1		x					1.50							III		
	8	4	GEO-N 00418		GH	11 × 7			×		77.00										8	
					GL. Shield	1 × 11			×		11.00											
					N-44b	1.5 × 1		x					1.50							III		
										SUB-SUM	1,037.50	450.00	24.00	0	2	2	2	6		5/3 11/3 VII/8	

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SUB SUMMARY

FHWA REGION	STATE	PROJECT	
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SH. NO.	REF. NO.	MILE	STRUCTURE NO.	SIGN	SIGN CODE	SIGN SIZE FT. X FT.	WORK REQUIRED: REMOVE SIGN	ERECT SIGN	OVERLAY SIGN		ITEM 630: SIGNS PERMANENT OVERLAY SQ. FT.	SIGNS EXTRUSHEET SQ. FT.	SIGNS FLAT SHEET AS PER PLAN SQ. FT.	REMOVAL GRD. MOUNTED SIGN AS PER PLAN EACH	REMOVAL GRD. MOUNTED MAJOR SIGN AS PER PLAN EACH	REMOVAL OVERHEAD MTD. SIGN AS PER PLAN EACH				MOUNTING BRACKET TYPE	REF. NO.	SH. NO.
38	9	4	GEO-N 00433		GH-1	13 × 3.5			×		71.50										9	38
					N-44b	1.5 × 1		×					1.50							II		
	10	4	GEO-S 00440		GH-1	13 × 5.5			×		71.50										10	
					N-44b	1.5 × 1		×					1.50							III		
	11	4	GEO-S 00432		GH	12 × 7			×		84.00										11	
					N-44b	1.5 × 1		×					1.50							III		
	12	4	GEO-S 00419		GH-1	15 × 6			×		90.00										12	
					N-44b	1.5 × 1		×					1.50							II		
39	2	5	FRA 270N 00584		GB	13 × 9			×		117.00										2	39
					GEP-72	6 × 2			×		12.00											
					N-44b	1.5 × 1		×					1.50							III		
	3	5	FRA 270S 00567		GB	20 × 5.5			×		110.00										3	
					GEP-72	6 × 2			×		12.00											
					N-44b	1.5 × 1		×					1.50							III		
	4	6	FRA 270S 00617		GB	20 × 6			×		120.00										4	
					GEP-72	6 × 2			×		12.00											
					N-44b	1.5 × 1		×					1.50							III		
40	1	6	FRA 270N 00641		GB	13 × 8.5			×		110.50										1	40
					GEP-72	6 × 2			×		12.00											
					N-44b	1.5 × 1		×					1.50							III		
	2	6	FRA 270N 00680		IM-8		×									1					2	
					IM-37		×									1						
					M-5-24		×									1						
				(a)	GG	15 × 7			×		105.00											
				(b)	GB	15 × 11			×		165.00											
					GEP-72	6 × 2			×		12.00											
				(c)	GE	16 × 7			×		112.00											
					GEP-72	6 × 2			×		12.00											
					N-44b	1.5 × 1		×					1.50							III		
	3	6	FRA 270N 00698-H		M-52A	9 × 2.5			×		22.50										3	
					N-43b	1.5 × 1		×					1.50							II		
	4	6	FRA 270S 00679-P	(a)	GH-1	15 × 7.5			×		112.50										4	
				(b)	GH-1	12 × 7.5			×		90.00											
					N-43b	1.5 × 1		×					1.50							III		
	7	7	FRA 270N 00716	(a)	GG	17 × 9.5			×		161.50										7	
				(b)	GB	15 × 11.5			×		172.50											
					GEP-72	6 × 2			×		12.00											
					N-44b	1.5 × 1		×					1.50							III		
	8	7	FRA 270S 00729		IM-8		×									1					8	
					IM-38		×									1						
					M-5-24		×									1						
				(a)	GG	17 × 9.5			×		161.50											
				(b)	GB	14 × 9.5			×		133.00											
					GEP-84	7 × 2			×		14.00											
				(c)	GE	14 × 9.5			×		133.00											
					GEP-84	7 × 2			×		14.00											
					N-44b	15 × 1		×					1.50							III		
										SUB-SUM	2253.0	0	19.50	0	0	6				2/0 11/3 36/10		

MICROFILMED
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SUB SUMMARY

FHWA REGION	STATE	PROJECT	
5	OHIO		

7/94

FRA - 270 - 00.00

SH. NO.	REF. NO.	MILE	STRUCTURE NO.	SIGN	SIGN CODE	SIGN SIZE FT. X FT.	WORK REQUIRED: REMOVE SIGN	ERECT SIGN	OVERLAY SIGN		ITEM 630: SIGNS PERMANENT OVERLAY SQ. FT.	SIGNS EXTRUSHEET SQ. FT.	SIGNS FLAT SHEET AS PER PLAN SQ. FT.	REMOVAL GRD. MOUNTED SIGN AS PER PLAN EACH	REMOVAL GRD. MOUNTED MAJOR SIGN AS PER PLAN EACH	REMOVAL OVERHEAD MTD. SIGN AS PER PLAN EACH	SIGN ATTACH-MENT ASSEMBLY EACH	LUMINAIRE SUPPORT ASSEMBLY, TYPE II EACH		MOUNTING BRACKET TYPE	REF. NO.	SH. NO.
40	9	7	FRA 270 S 00703		GE	16 x 7			x		112.00										9	
					GEP-84	7 x 2			x		14.00											
					N-44b	1.5 x 1		x					1.50							III		
	10	5	FRA 040E 00583		GL	8 x 7	x	x		For Lighting Quantities See Sheet No. 33A.		56.00				1	1	1			10	
					N-44b	1.5 x 1		x					1.50							III		
	11	5	FRA 040E 00592		GH	12 x 9			x		108.00										11	
					N-44b	1.5 x 1		x					1.50							III		
	12	6	FRA 040E 00612		GH-1	15 x 7.5			x		112.50										12	
					N-44b	1.5 x 1		x					1.50							III		
	13	6	FRA 040W 00653		GL	8 x 7	x	x		For Lighting Quantities See Sheet No. 33A.		56.00				1	1	1			13	40
					N-44b	1.5 x 1		x					1.50							III		
	14	6	FRA 040W 00640		GH	11 x 8	x	x				88.00				1	1				14	
					N-44b	1.5 x 1		x					1.50							III		
	15	6	FRA 040W 00632		GH-1	15 x 5.5			x		82.50										15	
					N-44b	1.5 x 1		x					1.50							II		
	16	6	FRA 040W 00612		GH-1	12 x 7.5			x		90.00										16	
					N-44b	1.5 x 1		x					1.50							III		
	17	6	FRA 040W 00605		N-44b	1.5 x 1		x					1.50							III	17	
	18	6	FRA 040W 00629		GH	14 x 5.5			x		77.00										18	
					GL Shield	14 x 1			x		14.00											
					N-44b	1.5 x 1		x					1.50									
41	1	7	FRA 270N 00777	(a)	GG	17 x 9.5			x		161.50										1	
				(b)	GB	15 x 9.5			x		142.50											
					GEP-72	6 x 2			x		12.00											
				(c)	GB	13 x 9.5			x		123.50											
					GEP-72	6 x 2			x		12.00											
					N-44b	1.5 x 1		x					1.50							III		
	2	7	FRA 270S 00780		IM-8											1					2	
					IM-38											1						
					M-5-24											1						
				(a)	GB	14 x 9.5			x		133.00											
					GEP-84	7 x 2			x		14.00											
				(b)	GB	14 x 9.5			x		133.00											
					GEP-84	7 x 2			x		14.00											
					N-44b	1.5 x 1		x					1.50							III		
	3	7	FRA 270S 00759		GSH	10 x 4			x		40.00										3	41
					N-44b	1.5 x 1		x					1.50							I		
	4	8	FRA 270N 00808		IM-8		x									1					4	
					IM-37		x									1						
					M-5-24		x									1						
				(a)	GG	17 x 9.5			x		161.50											
				(b)	GE	15 x 9.5			x		142.50											
					GEP-72	6 x 2			x		12.00											
				(c)	GE	13 x 9.5			x		123.50											
					GEP-72	6 x 2			x		12.00											
					N-44b	1.5 x 1		x					1.50							III		
42	1	8	FRA 270N 00831		GN	8 x 3.5			x		28.00										1	
					N-44b	1.5 x 1		x					1.50							I		42
										SUB-SUM	1,875.00	200.00	22.50	0	0	8	2	2		I/2 / II / III		

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SUB SUMMARY

FHWA REGION	STATE	PROJECT	
5	OHIO		

8/94

FRA - 270 - 00.00

SH. NO.	REF. NO.	MILE	STRUCTURE NO.	SIGN	SIGN CODE	SIGN SIZE FT. X FT.	WORK REQUIRED: REMOVE SIGN	ERECT SIGN	OVERLAY SIGN		ITEM 630: SIGNS PERMANENT OVERLAY SQ. FT.	SIGNS EXTRUSHEET SQ. FT.	SIGNS FLAT SHEET AS PER PLAN SQ. FT.	REMOVAL GRD. MOUNTED SIGN AS PER PLAN EACH	REMOVAL GRD. MOUNTED MAJOR SIGN AS PER PLAN EACH	REMOVAL OVERHEAD MTD. SIGN AS PER PLAN EACH	SIGN ATTACHMENT ASSEMBLY	LUMINAIRE SUPPORT ASSEMBLY, TYPE II		MOUNTING BRACKET TYPE	REF. NO.	SH. NO.
	2	8	FRA 270N 00838-Y		GG	15 × 9.5			×		142.50										2	
					GE	17 × 9.5			×		161.50											
					N-43b	1.5 × 1		×					1.50							III		
	3	8	FRA 270N 00869-Y		GE	18 × 7			×		126.00										3	
					N-43b	1.5 × 1		×					1.50							III		
	4	8	FRA 270N 00876-Y		GG	15 × 7			×		105.00										4	
					N-43b	1.5 × 1		×					1.50							III		
	6	8	FRA 270S 00833		GB	13 × 9			×		117.00										6	
					GEP-120	10 × 2			×		20.00											
					N-44b	1.5 × 1		×					1.50							III		
	7	9	FRA 270S 00916		IM-8		×									1					7	
					IM-38		×									1						
					M-5-24		×									1						
				(a)	GG	17 × 9.5			×		161.50											
				(b)	GE	19 × 11.5			×		218.50											
					GEP-72	6 × 2			×		12.00											
					N-44b	1.5 × 1		×					1.50							III		
	8	9	FRA 270S 00902	(a)	GE	17 × 9.5			×		161.50										8	
				(b)	GE	15 × 9.5			×		142.50											
					N-44b	1.5 × 1		×					1.50							III		
	9	92	FRA 070E 09232		GB	14 × 9.5			×		133.00										9	
					GEP-96	8 × 2			×		16.00											
					N-44b	1.5 × 1		×					1.50							III		
42	10	92	FRA 070E 09260	(a)	GG	17 × 9.5			×		161.50										10	42
				(b)	GB	13 × 9.5			×		123.50											
					GEP-96	8 × 2			×		16.00											
				(c)	GE	17 × 7			×		119.00											
					GEP-96	8 × 2			×		16.00											
					N-44b	1.5 × 1		×					1.50							III		
	11	92	FRA 070E 09294	(a)	GG	13 × 7.5			×		97.50										11	
				(b)	GB	14 × 6			×		84.00											
					GEP-84	7 × 2			×		14.00											
					GE	15 × 10			×		150.00											
					GEP-96	8 × 2			×		16.00											
					N-44b	1.5 × 1		×					1.50							III		
	12	93	FRA 070W 09328	(a)	GG	17 × 9.5			×		161.50										12	
				(b)	GE	25 × 11.5			×		287.50											
					GEP-84	7 × 2			×		14.00											
					N-44b	1.5 × 1		×					1.50							III		
	13	93	FRA 070W 09315-M	(a)	GB	15 × 8.5			×		127.50										13	
				(b)	GB	15 × 8.5	×	×		For Lighting Quantities See Sheet No. 33A.		127.50				1	1	2				
					N-43b	1.5 × 1		×					1.50							III		
	14	92	FRA 070W 09297-M	(a)	GE	17 × 9.5			×		161.50										14	
				(b)	GE	17 × 9.5			×		161.50											
					N-43b	1.5 × 1		×					1.50							III		
	1	9	FRA 270N 00947		GB	15 × 6			×		90.00										1	
					GEP-84	7 × 2			×		14.00											
					N-44b	1.5 × 1		×					1.50							III		
43																						43
										SUB-SUM	3332.00	127.50	19.50	0	0	4	1	2		7/8 16/8 19/3	

MICROFILMED
DEC 16 1985

SUB SUMMARY

FHWA REGION	STATE	PROJECT	
5	OHIO		

9/94

FRA-270-00.00

SH. NO.	REF. NO.	MILE	STRUCTURE NO.	SIGN	SIGN CODE	SIGN SIZE FT. X FT.	WORK REQUIRED: REMOVE SIGN	ERECT SIGN	OVERLAY SIGN		ITEM 630: SIGNS PERMANENT OVERLAY SQ. FT.	SIGNS EXTRUSHEET SQ. FT.	SIGNS FLAT SHEET AS PER PLAN SQ. FT.	REMOVAL GRD. MOUNTED SIGN AS PER PLAN EACH	REMOVAL GRD. MOUNTED MAJOR SIGN AS PER PLAN EACH	REMOVAL OVERHEAD MTD. SIGN AS PER PLAN EACH				MOUNTING BRACKET TYPE	REF. NO.	SH. NO.
43	4	9	FRA270S 00967	(a)	GG	17 × 9.5			×		161.50										4	43
				(b)	GB	15 × 11.5			×		172.50											
					GEP-72	6 × 2			×		12.00											
					N-44b	1.5 × 1		×					1.50							III		
44	1	10	FRA270N 01013		GE	15 × 6			×		90.00										1	44
					GEP-84	7 × 2			×		14.00											
					N-44b	1.5 × 1		×					1.50							III		
	2	10	FRA 270N 01029		IM-8		×									1					2	
					IM-37		×									1						
					M-5-24		×									1						
				(a)	GG	17 × 9.5			×	Dublin changed to Cleveland	161.50											
				(b)	GB	21 × 8.5			×		178.50											
					GEP-132	11 × 2			×		22.00											
				(c)	GE	14 × 6			×		84.00											
					GEP-84	7 × 2			×		14.00											
					N-44b	1.5 × 1		×					1.50							III		
	3	10	FRA 270N01042-H		D-4D	9 × 2		×				18.00		1							3	
					N-43b	1.5 × 1		×					1.50							I		
	4	10	FRA270S 01085		GE	15 × 6			×		90.00										4	
					GEP-84	7 × 2			×		14.00											
					N-44b	1.5 × 1		×					1.50							III		
	5	10	FRA270S 01071		IM-8		×									1					5	
					IM-38		×									1						
					M-5-24		×									1						
				(a)	GG	17 × 8			×		136.00											
				(b)	GB	15 × 11			×		165.00											
					GEP-72	6 × 2			×		12.00											
				(c)	GE	14 × 6			×		84.00											
					GEP-84	7 × 2			×		14.00											
					N-44b	1.5 × 1		×					1.50							III		
	6	10	FRA270S01052-M		D-4D	9 × 2		×				18.00		1							6	
					N-43b	1.5 × 1		×					1.50							I		
	7	7	ROBT-E 00779		D-4B	11 × 4			×		44.00										7	
					N-44b	1.5 × 1		×					1.50							II		
	8	7	ROBT-E 00785		M-52A	8 × 2.5			×		20.00										8	
					N-44b	1.5 × 1		×					1.50							II		
	9	8	ROBT-E 00811		D-4A	8 × 2			×		16.00										9	
					N-44b	1.5 × 1		×					1.50							I		
	10	8	ROBT-W 00825		M-52A	8 × 2.5			×		20.00										10	
					N-44b	1.5 × 1		×					1.50							I		
	11	8	ROBT-W 00819		D-4B	11 × 4			×		44.00										11	
					N-44b	1.5 × 1		×					1.50							II		
	12	8	ROBT-W 00816		M-52A	8 × 2.5			×		20.00										12	
					N-44b	1.5 × 1		×					1.50							I		
	13	7	ROBT-W 00787		D-4A	11 × 2			×		22.00										13	
					N-44b	1.5 × 1		×					1.50							II		
										SUB-SUM	1611.00	36.00	21.00	2	0	6				I/8 II/4 III/3		

MICROFILMED
DEC 16 1985

SUB SUMMARY

FHWA REGION	STATE	PROJECT	
5	OHIO		

FRA-270-00.00

10/94

SH. NO.	REF. NO.	MILE	STRUCTURE NO.	SIGN	SIGN CODE	SIGN SIZE FT. X FT.	WORK REQUIRED: REMOVE SIGN	ERECT SIGN	OVERLAY SIGN	ITEM 630: SIGNS PERMANENT OVERLAY SQ. FT.	SIGNS EXTRUSHEET SQ. FT.	SIGNS FLAT SHEET AS PER PLAN SQ. FT.	REMOVAL GRD. MOUNTED SIGN AS PER PLAN EACH	REMOVAL GRD. MOUNTED MAJOR SIGN AS PER PLAN EACH	REMOVAL OVERHEAD MTD. SIGN AS PER PLAN EACH				MOUNTING BRACKET TYPE	REF. NO.	SH. NO.
45	1	11	FRA270N 01131	(a)	GG	17 × 9.5			×	161.50										1	45
					GL Shield	17 × 1			×	17.00											
					JNF		×								1						
				(b)	GB	21 × 8.5			×	178.50											
					GEP-132	11 × 2			×	22.00											
					GL Shield	21 × 1			×	21.00											
					N-44b	1.5 × 1		×				1.50							III		
	4	11	FRA270S 01169		GB	15 × 6			×	90.00										4	
					GEP-84	7 × 2			×	14.00											
					N-44b	1.5 × 1		×				1.50							III		
	5	11	FRA270S 01158		GN	8 × 3.5			×	28.00										5	
					N-44b	1.5 × 1		×				1.50							I		
	6	12	FRA270N 01215		GCP	13 × 6.5			×	84.50										6	
					GEP-96	8 × 2			×	16.00											
					N-44b	1.5 × 1		×				1.50							I		
46	1	12	FRA270N 01229		GE	21 × 6			×	126.00										1	46
					GEP-96	8 × 2			×	16.00											
					N-44b	1.5 × 1		×				1.50							III		
	2	12	FRA270N 01244	(a)	GG	17 × 9.5			×	161.50										2	
				(b)	GB	13 × 6.5			×	84.50											
					GEP-96	8 × 2			×	16.00											
				(c)	GE	17 × 6			×	102.00											
					GEP-96	8 × 2			×	16.00											
					N-44b	1.5 × 1		×				1.50							III		
	3	12	FRA 270N 01263		GE	14 × 7			×	98.00										3	
					GEP-96	8 × 2			×	16.00											
	4	12	FRA270N 01270		GF	8 × 5		×			40.00			1						4	
					N-44b	1.5 × 1		×				1.50							II		
	5	12	FRA270S 01287		GF	6 × 5			×	30.00										5	
					N-44b	1.5 × 1		×				1.50							II		
	6	12	FRA270S 01268-M		D-4B	14 × 4			×	56.00										6	
					GC	9 × 3			×	27.00											
					N-43b	1.5 × 1		×				1.50							II		
	9	13	FRA270S 01354		GCP	13 × 6.5			×	84.50										9	
					GEP-84	7 × 2			×	14.00											
					N-44b	1.5 × 1		×				1.50							II		
	10	13	FRA270S 01303		GE	21 × 8			×	168.00										10	
					GEP-84	7 × 2			×	14.00											
					N-44b	1.5 × 1		×				1.50							II		
	11	1	HILL-E 00171		M-52A	8 × 2.5			×	20.00										11	
					N-44b	1.5 × 1		×				1.50							I		
	12	1	HILL-E 00178		D-4B	11 × 4			×	44.00										12	
					N-44b	1.5 × 1		×				1.50							II		
	13	1	HILL-E 00184		M-52A	8 × 2.5			×	20.00										13	
					N-44b	1.5 × 1		×				1.50							I		
	14	1	HILL-E 00186		D-4D	13 × 2			×	26.00										14	
					N-44b	1.5 × 1		×				1.50							II		
									SUB-SUM	1,772.00	40.00	22.50	0	1	1				I/4 II/4 III/4		

MICROFILMED
DEC 16 1985

SUB SUMMARY

FHWA REGION	STATE	PROJECT	
5	OHIO		

11/94

FRA - 270 - 00.00

SH. NO.	REF. NO.	MILE	STRUCTURE NO.	SIGN	SIGN CODE	SIGN SIZE FT. X FT.	WORK REQUIRED: REMOVE SIGN	ERECT SIGN	OVERLAY SIGN		ITEM 630: SIGNS PERMANENT OVERLAY SQ. FT.	SIGNS EXTRUSHEET SQ. FT.	SIGNS FLAT SHEET AS PER PLAN SQ. FT.	REMOVAL GRD. MOUNTED SIGN AS PER PLAN EACH	REMOVAL GRD. MOUNTED MAJOR SIGN AS PER PLAN EACH	REMOVAL OVERHEAD MTD. SIGN AS PER PLAN EACH				MOUNTING BRACKET TYPE	REF. NO.	SH. NO.
46	15	2	HILL-E 00213		D-4A	8 x 2			x		16.00										15	46
					N-44b	1.5 x 1		x					1.50							II		
	16	2	HILL-W 00233		M-52A	8 x 2.5			x		20.00										16	
					N-44b	1.5 x 1		x					1.50							I		
	17	2	HILL-W 00225		D-4B	11 x 4			x		44.00										17	
					N-44b	1.5 x 1		x					1.50							II		
	18	2	HILL-W 00219		M-52A	8 x 2.5			x		20.00										18	
					N-44b	1.5 x 1		x					1.50							I		
	19	1	HILL-W 00192		D-4A	11 x 2			x		22.00										19	
					N-44b	1.5 x 1		x					1.50							II		
47	1	13	FRA270N 01385		GJ	16 x 6			x		96.00										1	47
	2	16	FRA270N 01616	(a)	GCP	12 x 4.5			x		54.00										2	
				(b)	GB	14 x 11			x		154.00											
					GEP-132	11 x 2			x		22.00											
					N-44b	1.5 x 1		x					1.50									
	3	16	FRA270N 01621		GN	13 x 3.5	x	x		For Ground Mounted Support Quantities See		45.50			1						3	
					N-44b	1.5 x 1		x		Sheet No. 33A.			1.50							I		
	4	16	FRA270N 01657		GB	15 x 8.5			x		127.50										4	
					GEP-96	8 x 2			x		16.00											
					N-44b	1.5 x 1		x					1.50							II		
	7	16	FRA270S 01617		GJ	16 x 6			x		96.00										7	
					N-44b	1.5 x 1		x					1.50							II		
	8	13	FRA270S 01385		GB	21 x 8			x		168.00										8	
					GEP-84	7 x 2			x		14.00											
					N-44b	1.5 x 1		x					1.50									
48	1	17	FRA270N 01705		IM-8		x									1					1	48
					IM-37		x									1						
					M-5-24		x									1						
				(a)	GG	16 x 7			x		112.00											
					JNF		x									1						
				(b)	GB	15 x 11			x		165.00											
					GEP-96	8 x 2			x		16.00											
				(c)	GE	18 x 7			x		126.00											
					GEP-96	8 x 2			x		16.00											
					N-44b	1.5 x 1		x					1.50							III		
	2	17	FRA270N 01729		GE	18 x 9			x		162.00										2	
					GEP-96	8 x 2			x		16.00											
					N-44b	1.5 x 1		x					1.50									
	3	17	FRA270N 01743		GF	8 x 5			x		40.00										3	
					N-44b	1.5 x 1		x					1.50							II		
	5	17	FRA270W 01780		GB	15 x 8.5															5	
					GEP-96	8 x 2																
					N-44b	1.5 x 1		x					1.50							III		
	6	17	FRA270W 01750		IM-8		x									1					6	
					IM-38		x									1						
					M-5-24		x									1						
				(a)	GG	15 x 7			x		105.00											
					JNF		x									1						
				(b)	GB	15 x 9			x		135.00											
										SUB-SUM	1,762.50	45.50	21.0	0	1	8				I/3 II/6 III/2		

MICROFILMED
DEC 16 1985

SUB SUMMARY

FHWA REGION	STATE	PROJECT	
5	OHIO		

12/94

FRA-270-00.00

SH. NO.	REF. NO.	MILE	STRUCTURE NO.	SIGN	SIGN CODE	SIGN SIZE FT. X FT.	WORK REQUIRED: REMOVE SIGN	ERECT SIGN	OVERLAY SIGN		ITEM 630: SIGNS PERMANENT OVERLAY SQ. FT.	SIGNS EXTRUSHEET SQ. FT.	SIGNS FLAT SHEET AS PER PLAN SQ. FT.	REMOVAL GRD. MOUNTED SIGN AS PER PLAN EACH	REMOVAL GRD. MOUNTED MAJOR SIGN AS PER PLAN EACH	REMOVAL OVERHEAD MTD. SIGN AS PER PLAN EACH				MOUNTING BRACKET TYPE	REF. NO.	SH. NO.
48					GEP-96	8 x 2			x		16.00											
				(c)	GE	18 x 9			x		162.00											
					GEP 96	8 x 2			x		16.00											
					N-44b	1.5 x 1		x														
													1.50							III		
	7	2	FRA033E 00212		M-52A	8 x 2.5			x		20.00										7	
					N-44b	1.5 x 1		x														
													1.50							I		
	8	2	FRA033E 00230	(a)	GH	10 x 5			x		50.00										8	
				(b)	GH-1	15 x 5.5			x		82.50											
					N-44b	1.5 x 1		x														
													1.50							III		
	9	2	FRA033W 00299		M-52A	8 x 2.5			x		20.00										9	48
					N-44b	1.5 x 1		x														
													1.50							I		
	10	2	FRA 033W 00288	(a)	GH	12 x 7			x		84.00										10	
				(b)	GH-1	9 x 5.5			x		49.50											
					N-44b	1.5 x 1		x														
													1.50							III		
	11	2	FRA033W 00253		GH-1	15 x 5.5			x		82.50										11	
					N-44A	1.5 x 1		x														
													1.50							II		
	12	17	FRA 270 W 01731		GE	18 x 7			x		126.00										12	
					GEP-96	8 x 2			x		16.00											
					N-44 b	1.5 x 1		x														
	13	17	FRA 270S 01720		GF	8 x 5			x		40.00		1.50								13	
					N-44 b	1.5 x 1		x					1.50							II		
49	1	18	FRA 270E 01834		GJ	16 x 5		x				80.00			1						1	
					N-44 b	1.5 x 1		x					1.50							II		
	2	18	FRA270E 01853		GB	15 x 6			x		90.00										2	
					GEP-84	7 x 2			x		14.00											
					N-44 b	1.5 x 1		x					1.50							II		
	3	18	FRA 270E 01883		GCP	15 x 4.5															3	
					GEP	7 x 2								1								49
					N-44b	1.5 x 1		x					1.50							I		
	4	18	FRA 270W 01850		GB	14 x 11			x		154.00										4	
					GEP-132	11 x 2			x		22.00											
					N 44b	1.5 x 1		x					1.50							II		
	5	18	FRA 270W 01821		GCP	10 x 5			x		50.00										5	
					N-44b	1.5 x 1		x					1.50							I		
50	1	19	FRA 270E 01918		GB	15 x 5.5			x	Changed. "½ MILE" to "Next Right"	82.50										1	
					GEP-84	7 x 2			x		14.00											
					N-44b	1.5 x 1		x					1.50							II		
	2	19	FRA270E 01952		GE	15 x 6			x		90.00										2	
					GEP-84	7 x 2			x		14.00											
					N-44b	1.5 x 1		x					1.50							II		
	3	19	FRA270E 01969		GF	6 x 5			x		30.00										3	
					N-44b	1.5 x 1		x					1.50							II		
	4	19	FRA 270E 0198-H		D-4A	12 x 2	x	x		For Ground Mounted Support Quantities See		24.00		1							4	50
					N-44b	1.5 x 1		x		Sheet No. 33 A.			1.50							II		
	5	19	FRA 270W 01985-M		D-4A	12 x 2	x	x		For Ground Mounted Support Quantities See		24.00		1							5	
					N-44b	1.5 x 1		x		Sheet No. 33A.			1.50							II		
	6	19	FRA 270W 01981		GN	13 x 3.5	x	x		Change "Corp. Limit" to "CORPERATION LIMIT"		45.50		1							6	
					N-44b	1.5 x 1		x		For Ground Mounted Support Quantities See			1.50							I		
										Sheet No. 33A.												
										SUB-SUM	1,325.00	173.50	28.50	4	1	0				7/3	11/10	7/3

MICROFILMED
DEC 16 1985

SUB SUMMARY

FHWA REGION	STATE	PROJECT	
5	OHIO		

FRA-270-0000

13/94

SH. NO.	REF. NO.	MILE	STRUCTURE NO.	SIGN	SIGN CODE	SIGN SIZE FT. X FT.	WORK REQUIRED: REMOVE SIGN	ERECT SIGN	OVERLAY SIGN		ITEM 630: SIGNS PERMANENT OVERLAY SQ. FT.	SIGNS EXTRUSHEET SQ. FT.	SIGNS FLAT SHEET AS PER PLAN SQ. FT.	REMOVAL GRD. MOUNTED SIGN AS PER PLAN EACH	REMOVAL GRD. MOUNTED MAJOR SIGN AS PER PLAN EACH	REMOVAL OVERHEAD MTD. SIGN AS PER PLAN EACH	SIGN ATTACHMENT ASSEMBLY EACH	LUMINAIRE SUPPORT ASSEMBLY, Type II EACH		MOUNTING BRACKET TYPE	REF. NO.	SH. NO.
50	9	20	FRA270W 02017		GE	15 × 6			×		90.00										9	50
					GEP-84	7 × 2			×		14.00											
					N-44b	1.5 × 1		×					1.50							II		
	10	20	FRA270W 02001		GE	6 × 5			×		30.00										10	
					N-44b	1.5 × 1		×					1.50							II		
	11	3	SAWM-N 00323		M-52A	8 × 2.5			×		20.00										11	
					N-44b	1.5 × 1		×					1.50							I		
	12	3	SAWM-N 00331		D-4B	11 × 4			×		44.00										12	
					N-44b	1.5 × 1		×					1.50							II		
	13	3	SAWM-N 00338		M-52A	8 × 2.5			×		20.00										13	
					N-44b	1.5 × 1		×					1.50							I		
	14	3	SAWM-N 00352		D-4A	8 × 2			×		16.00										14	
					N-44b	1.5 × 1		×					1.50							II		
	15	3	SAWM-S 00367		M-52A	8 × 2.5			×		20.00										15	
					N-44b	1.5 × 1		×					1.50							I		
	16	3	SAWM-S 00359		D-4B	11 × 4			×		44.00										16	
					N-44b	1.5 × 1		×					1.50							II		
	17	3	SAWM-S 00352		M-52A	8 × 2.5			×		20.00										17	
					N-44b	1.5 × 1		×					1.50							I		
	18	3	SAWM-S 00338		D-4A	11 × 2			×		22.00										18	
					N-44b	1.5 × 1		×					1.50							II		
51	2	20	FRA270E 02080		GJ	16 × 5			×		80.00										2	51
					N-44b	1.5 × 1		×					1.50							II		
	3	20	FRA270W 02076		GCP	15 × 4.5															3	
					GEP-84	7 × 2																
					N-44b	1.5 × 1		×					1.50							I		
	4	20	FRA270W 02055		GB	15 × 5.5			×	Changed "½ MILE" to "NEXT RIGHT"	82.50										4	
					GC	12 × 2			×		24.00											
					GEP-84	7 × 2			×		14.00											
					N-44b	1.5 × 1		×					1.50							II		
	5	21	FRA270E 02154		GB	17 × 11			×		187.00										5	
					GEP-132	11 × 2			×		22.00											
					N-44b	1.5 × 1		×					1.50							II		
	6	21	FRA270W 02102		GB	15 × 6			×		90.00										6	
					GEP-84	7 × 2			×		14.00											
					N-44b	1.5 × 1		×					1.50							II		
	7	22	FRA270E 02204		GB	13 × 12			×		156.00										7	
					GEP-96	8 × 2			×		16.00											
					N-44b	1.5 × 1		×					1.50							II		
	9	22	FRA270W 02243		GN	8 × 3.5			×		28.00										9	
					N-44b	1.5 × 1		×					1.50							I		
52	1	22	FRA270E 02250		GB	17 × 9			×		153.00										1	52
					GEP-96	8 × 2			×		16.00											
					GE	17 × 9.5	×	×		For Lighting Quantities See Sheet No. 33A.		161.50				1	1	2			
					GEP-96	8 × 2	×	×	×		16.00											
					GL Shield	17 × 1	×	×				17.00								III		
					N-44b	1.5 × 1		×					1.50									
										SUB-SUM	1,238.50	178.50	27.00	0	0	1	1	2		I 6 / II 11 / III 1		

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SUB SUMMARY

FHWA REGION	STATE	PROJECT	
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FRA-270 - 0~~0.00~~

SH. NO.	REF. NO.	MILE	STRUCTURE NO.	SIGN	SIGN CODE	SIGN SIZE FT. X FT.	WORK REQUIRED: REMOVE SIGN	ERECT SIGN	OVERLAY SIGN		ITEM 630: SIGNS PERMANENT OVERLAY SQ. FT.	SIGNS EXTRUSHEET SQ. FT.	SIGNS FLAT SHEET AS PER PLAN SQ. FT.	REMOVAL GRD. MOUNTED SIGN AS PER PLAN EACH	REMOVAL GRD. MOUNTED MAJOR SIGN AS PER PLAN EACH	REMOVAL OVERHEAD MTD. SIGN AS PER PLAN EACH	SIGN ATTACHMENT ASSEMBLY EACH	LUMINAIRE SUPPORT ASSEMBLY, TYPE II EACH		MOUNTING BRACKET TYPE	REF. NO.	SH. NO.
	2	22	FRA 270E 02281	(a)	GB	16 x 11			x		176.00										2	
					GEP-84	7 x 2			x		14.00											
				(b)	GE	16 x 9			x		144.00											
					GEP-96	8 x 2			x		16.00											
					N 44b	1.5 x 1		x					1.50							III		
	3	22	FRA 270E 02282-J	(a)	GH	12 x 7			x	Change "Westerville" to "Cleveland"	84.00										3	
				(b)	GH-1	16 x 10	x	x		For Lighting Quantities See Sheet No. 33 A.		160.00				1	1	2				
					N-43b	1.5 x 1		x					1.50							III		
	4	22	FRA 270W 02285-M	(a)	GCP	11 x 2			x		22.00										4	
				(b)	GH	16 x 7.5			x		120.00											
				(c)	GH-1	13 x 7.5			x		97.50											
					N-43b	1.5 x 1		x					1.50							III		
	5	23	FRA 270E 02317		IM-8		x									1					5	
					IM-37		x									1						
					M-5-24		x									1						
				(a)	GG	17 x 9.5			x		161.50											
				(b)	GB	17 x 11.5			x		195.50											
					GEP-84	7 x 2			x		14.00											
					N-44b	1.5 x 1		x					1.50							III		
	6	23	FRA 270E 02333	(a)	GG	17 x 9.5			x		161.50										6	
				(b)	GE	13 x 9.5			x		123.50											
					GEP-84	7 x 2			x		14.00											
				(c)	GE	16 x 9.5			x		152.00											
					GEP-84	7 x 2			x		14.00											
					N-44b	1.5 x 1		x					1.50							III		
52	7	23	FRA 270E 02349-Y	(a)	GE	12 x 10			x		120.00										7	52
				(b)	GE	16 x 10			x		160.00											
					N-43b	1.5 x 1		x					1.50							III		
	8	23	FRA 270W 02330		IM-8											2					8	
					IM-38											1						
					IM-40											1						
					M-5-24											2						
				(a)	GG	17 x 9.5			x		161.50											
					GL Shield	17 x 1			x		17.00											
				(b)	GB	17 x 11.5			x		195.50											
					GL Shield	17 x 1			x		17.00											
					GEP-84	7 x 2			x		14.00											
					N-44b	1.5 x 1		x					1.50							III		
	9	23	FRA 270W 02311	(a)	GG	17 x 9.5			x		161.50										9	
					GL Shield	17 x 1			x		17.00											
					JNF		x									1						
				(b)	GE	17 x 11.5			x		195.50											
					GL Shield	17 x 1			x		17.00											
					GEP-84	7 x 2			x		14.00											
					N-44b	1.5 x 1		x					1.50							III		
	10	11	FRA 315N 01100	(a)	W-55	24 x 8			x		192.00										10	
					GL Shield	24 x 1			x		24.00											
				(b)	GH	12 x 7			x	Change "Westerville" to "Cleveland"	84.00											
					GL Shield	12 x 1			x		12.00											
					N-44b	1.5 x 1		x					1.50							III		
	11	11	FRA 315N 01141		M-52A	8 x 2.5			x		20.00										11	
					N-44b	1.5 x 1		x					1.50									
	12	11	FRA 315N 01147	(a)	GG	10 x 6			x		60.00										12	
				(b)	GH	14 x 7.5			x	Changed "Dublin" to "Indianapolis"	105.00											
				(c)	GH-1	15 x 5.5			x	Changed "Westerville" to "Cleveland"	82.50											
					N-44b	1.5 x 1		x					1.50							III		
										SUB-SUM	3,179.00	160.00	16.50	0	0	11	1	2		2/0 II/0 III/10	

MICROFILMED
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SUB SUMMARY

FHWA REGION	STATE	PROJECT	
5	OHIO		

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SH. NO.	REF. NO.	MILE	STRUCTURE NO.	SIGN	SIGN CODE	SIGN SIZE FT. X FT.	WORK REQUIRED: REMOVE SIGN	WORK REQUIRED: ERECT SIGN	WORK REQUIRED: OVERLAY SIGN	ITEM 630: SIGNS PERMANENT OVERLAY SQ. FT.	ITEM 630: SIGNS EXTRUSHEET SQ. FT.	ITEM 630: SIGNS FLAT SHEET AS PER PLAN SQ. FT.	ITEM 630: REMOVAL GRD. MOUNTED SIGN AS PER PLAN EACH	ITEM 630: REMOVAL GRD. MOUNTED MAJOR SIGN AS PER PLAN EACH	ITEM 630: REMOVAL OVERHEAD MTD. SIGN AS PER PLAN EACH	MOUNTING BRACKET TYPE	REF. NO.	SH. NO.
53	9	23	FRA 023N 02309		GH-1	16 × 6			×	96.00							9	53
					GL Shield	16 × 1			×	16.00								
					N-44b	1.5 × 1		×				1.50				III		
	10	23	FRA 023N 02330		N-44b	1.5 × 1		×				1.50				III	10	
	11	23	FRA 023S 02321	(a)	GH	14 × 7.5			×	105.00							11	
				(b)	GH-1	16 × 6			×	96.00								
					N-44b	1.5 × 1		×				1.50				III		
	12	23	FRA 023S 02300		GH-1	17 × 5.5			×	93.50							12	
					N-44b	1.5 × 1		×				1.50				III		
54	1	24	FRA 270E 02441	(a)	GG	15 × 8.5			×	127.50							1	54
				(b)	GB	13 × 9.5			×	123.50								
					GEP-96	8 × 2			×	16.00								
				(c)	GB	13 × 9.5			×	123.50								
					GEP-96	8 × 2			×	16.00								
					N-44b	1.5 × 1		×				1.50				III		
	2	24	FRA 270W 02459	(a)	GG	17 × 9.5			×	161.50							2	
				(b)	GB	16 × 11.5			×	184.00								
					GEP-84	8 × 2			×	16.00								
					N-44b	1.5 × 1		×				1.50				III		
	3	25	FRA 270E 02502	(a)	GG	15 × 8.5			×	127.50							3	
				(b)	GB	13 × 9.5			×	123.50								
					GEP-96	8 × 2			×	16.00								
				(c)	GB	13 × 9.5			×	123.50								
					GEP-96	8 × 2			×	16.00								
					N-44b	1.5 × 1		×				1.50				III		
	5	25	FRA 270W 02510		GB	16 × 11			×	176.00							5	
					GL Shield	16 × 1			×	16.00								
					GEP-84	7 × 2			×	14.00								
					N-44b	1.5 × 1		×				1.50				III		
55	1	25	FRA 270E 02554	(a)	GG	15 × 7			×	105.00							1	55
					GL Shield	15 × 1			×	15.00								
				(b)	GB	13 × 9.5			×	123.50								
					GL Shield	13 × 1			×	13.00								
					GEP-96	8 × 2			×	16.00								
				(c)	GE	16 × 9.5			×	152.00								
					GL Shield	16 × 1			×	16.00								
					GEP-96	8 × 2			×	16.00								
					N-44b	1.5 × 1		×				1.50				III		
	2	25	FRA 270E 02580		Special	10 × 10			×	100.00							2	
					N-44b	1.5 × 1		×				1.50				III		
	3	25	FRA 270E 02588		GE	16 × 7			×	112.00							3	
					GEP-96	8 × 2			×	16.00								
					N-44b	1.5 × 1		×				1.50				III		
	4	26	FRA 270E 02606		GB	18 × 9.5			×	171.00							4	
					GEP-84	7 × 2			×	14.00								
					N-44b	1.5 × 1		×				1.50				III		
	5	26	FRA 270W 02628	(a)	GG	17 × 9.5			×	161.50							5	
					GL Shield	17 × 1			×	17.00								
				(b)	GE	16 × 11.5			×	184.00								
					GL Shield	16 × 1			×	16.00								
					GEP-84	7 × 2			×	14.00								
					N-44b	1.5 × 1		×				1.50				III		
	6	26	FRA 270W 02620		GF	6 × 5			×	30.00							6	
					N-44b	1.5 × 1		×				1.50				I		
									SUB-SUM	3,079.00	0	21	0	0	0	I 1 / II 0 / III 13	

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SUB SUMMARY

FHWA REGION	STATE	PROJECT	
5	OHIO		

16/94

FRA-270 - 00.00

SH. NO.	REF. NO.	MILE	STRUCTURE NO.	SIGN	SIGN CODE	SIGN SIZE FT. X FT.	WORK REQUIRED: REMOVE SIGN	ERECT SIGN	OVERLAY SIGN		ITEM 630: SIGNS PERMANENT OVERLAY SQ. FT.	SIGNS EXTRUSHEET SQ. FT.	SIGNS FLAT SHEET AS PER PLAN SQ. FT.	REMOVAL GRD. MOUNTED SIGN AS PER PLAN EACH	REMOVAL GRD. MOUNTED MAJOR SIGN AS PER PLAN EACH	REMOVAL OVERHEAD MTD. SIGN AS PER PLAN EACH				MOUNTING BRACKET TYPE	REF. NO.	SH. NO.
	7	119	FRA071 11915-J	(a)	GE	17 x 9.5			x		161.50										7	
					GL Shield	17 x 1			x		17.00											
				(b)	GE	16 x 7			x		112.00											
					GL Shield	16 x 1			x		16.00											
					N-43 b	1.5 x 1		x					1.50							III		
	8	118	FRA071N 11893	(a)	GG	17 x 9.5			x		161.50										8	
					GL Shield	17 x 1			x		17.00											
				(b)	GE	19 x 11.5			x		218.50											
					GL Shield	15 x 1			x		15.00											
					GEP-96	8 x 2			x		16.00											
					N-44b	1.5 x 1		x					1.50							III		
	9	118	FRA071N 11906-H	(a)	GE	17 x 9.5			x		161.50										9	
					GL Shield	17 x 1			x		17.00											
				(b)	GE	15 x 9.5			x		142.50											
					GL Shield	15 x 1			x		15.00											
55					N-43 b	1.5 x 1		x					1.50							III		55
	10	119	FRA071S 11909		GE	18 x 7			x		126.00										10	
					GL Shield	18 x 1			x		18.00											
					GEP-108	9 x 2			x		18.00											
					N-44b	1.5 x 1		x					1.50							III		
	11	118	FRA071S 11925		GE	15 x 9			x		135.00										11	
					GEP-108	9 x 2			x		18.00											
					N-44b	1.5 x 1		x					1.50							III		
	12	119	FRA071S 11959	(a)	GG	13 x 7			x		91.00										12	
					GL Shield	13 x 1			x		13.00											
				(b)	GB	15 x 9			x		135.00											
					GL Shield	15 x 1			x		15.00											
					GEP-108	9 x 2			x		18.00											
				(c)	GE	19 x 7			x		133.00											
					GL Shield	19 x 1			x		19.00											
					GEP-108	9 x 2			x		18.00											
					N-44b	1.5 x 1		x					1.50							III		
	2	26	FRA270E 02660	(a)	GG	17 x 9.5			x		161.50										2	
				(b)	GB	18 x 9.5			x		171.00											
					GEP-84	7 x 2			x		14.00											
					N-44b	1.5 x 1		x					1.50							III		
	3	26	FRA270E 02671		GCP	18 x 4.5			x		81.00										3	
					N-44 b	1.5 x 1		x					1.50							II		
	4	26	FRA270W 02676	(a)	GG	17 x 9.5			x		161.50										4	
					GL Shield	17 x 1			x		17.00											
				(b)	GB	13 x 11.5			x		149.50											
					GL Shield	13 x 1			x		13.00											
					GEP-84	7 x 2			x		14.00											
					N-44 b	1.5 x 1		x					1.50							III		
56	5	118	FRA071N 11867	(a)	GG	17 x 9.5			x		161.50										5	56
					GL Shield	17 x 1			x		17.00											
				(b)	GB	15 x 11.5			x		172.50											
					GL Shield	15 x 1			x		15.00											
					GEP-96	8 x 2			x		16.00											
					N-44 b	1.5 x 1		x					1.50							III		
	6	118	FRA071S 11860		GB	16 x 11			x		176.00										6	
					GEP-96	8 x 2			x		16.00											
					N-44 b	1.5 x 1		x					1.50							III		
										SUB-SUM	3,184.00	0	16.5	0	0	0				2/6 4/7 III/10		

MICROFILMED
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SUB SUMMARY

FHWA REGION	STATE	PROJECT
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17/94

FRA-270-00.00

SH. NO.	REF. NO.	MILE	STRUCTURE NO.	SIGN	SIGN CODE	SIGN SIZE FT. X FT.	WORK REQUIRED: REMOVE SIGN	ERECT SIGN	OVERLAY SIGN		ITEM 630: SIGNS PERMANENT OVERLAY SQ. FT.	SIGNS EXTRUSHEET SQ. FT.	SIGNS FLAT SHEET AS PER PLAN SQ. FT.	REMOVAL GRD. MOUNTED SIGN AS PER PLAN EACH	REMOVAL GRD. MOUNTED MAJOR SIGN AS PER PLAN EACH	REMOVAL OVERHEAD MTD. SIGN AS PER PLAN EACH	SIGN ATTACHMENT ASSEMBLY EACH	LUMINAIRE SUPPORT ASSEMBLY, TYPE II EACH		MOUNTING BRACKET TYPE	REF. NO.	SH. NO.
	7	120	FRA 0715 12029		GB	15 x 11			x		165.00										7	
					GEP-144	12 x 2			x		24.00											
					N-44b	1.5 x 1		x					1.50							II		
56	8	120	FRA 0715 12007		GB	16 x 9.5	x	x				152.00			1						8	56
					GEP-108	9 x 2	x	x	x		18.00											
					N-44b	1.5 x 1		x					1.50							II		
	1	26	FRA 270E 02699	(a)	GG	17 x 9.5			x		161.50										1	
				(b)	GE	21 x 9.5			x		199.50											
					GEP-84	7 x 2			x		14.00											
					N-44b	1.5 x 1		x					1.50							III		
	2	27	FRA 270E 02713-Y	(a)	GE	19 x 11.5			x		218.50										2	
				(b)	GE	22 x 6	x	x		For Lighting Quantities See Sheet No. 33A.		132.00				1	1	3				
					N-43b	1.5 x 1		x					1.50							III		
	3	27	FRA 270E 02738	(a)	GB	15 x 9			x		135.00										3	
					GEP-84	7 x 2			x		14.00											
				(b)	GG	13 x 7			x	Changed "South to East" Deleted "Gahanna"	91.00											
	4	27	FRA 270E 02743-Y		GE	19 x 9.5			x		180.50										4	
					N-43b	1.5 x 1		x					1.50							III		
	6	27	FRA 270W 02779	(a)	GG	17 x 9.5			x		161.50										6	
					GL Shield	17 x 1			x		17.00											
				(b)	GB	19 x 9.5			x		180.50											
					GL Shield	19 x 1			x		19.00											
					GEP-84	7 x 2			x		14.00											
					N-44b	1.5 x 1		x					1.50							III		
57	7	27	FRA 270W 02738-M		D-4E	9 x 3			x		27.00										7	57
					GC	9 x 2			x		18.00											
					N-43b	1.5 x 1		x					1.50							II		
	8	27	FRA 270W 02712		GB	13 x 11			x		143.00										8	
					GEP-84	7 x 2			x		14.00											
					N-44b	1.5 x 1		x					1.50							III		
	9	4	FRA 710N 00406		GH-1	13 x 5.5			x	Change "South" to "East" and "Gahanna" to "Wheeling"	71.50										9	
					N-44b	1.5 x 1		x					1.50							III		
	10	3	FRA 710N 00399		GH	14 x 7			x	Change "Worthington" to "Indianapolis"	98.00										10	
					N-44b	1.5 x 1		x					1.50							III		
	11	3	FRA 710N 00378		GH-1	17 x 5.5			x	Change "Worthington" to "Indianapolis".	93.50										11	
					N-44b	1.5 x 1		x					1.50							II		
	12	3	FRA 710S 00358		GH-1	17 x 5.5			x	Change "Worthington" to "Indianapolis"	93.50										12	
					N-44b	1.5 x 1		x					1.50							III		
	13	3	FRA 710S 00368		GH	11 x 7			x	Change "South" to "East" and "Gahanna" to "Wheeling"	77.00										13	
					N-44b	1.5 x 1		x					1.50							III		
	14	3	FRA 710S 00385		GH-1	13 x 5.5			x	Change "South" to "East" and "Gahanna" to "Wheeling"	71.50										14	
					N-44b	1.5 x 1		x					1.50							III		
	1	28	FRA 270E 02805	(a)	GG	17 x 9.5			x		161.50										1	
					JNF		x															
				(b)	GB	15 x 9.5			x		142.50											
58					GEP-84	7 x 2			x		14.00											58
					N-44b	1.5 x 1		x					1.50							III		
										SUB-SUM	2,638.00	284.00	22.5	0	1	1	1	3		I 0 / II 4 / III 11		

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SUB SUMMARY

FHWA REGION	STATE	PROJECT	
5	OHIO		

FRA-270-00.00

SH. NO.	REF. NO.	MILE	STRUCTURE NO.	SIGN	SIGN CODE	SIGN SIZE FT. X FT.	WORK REQUIRED: REMOVE SIGN	ERECT SIGN	OVERLAY SIGN		ITEM 630: SIGNS PERMANENT OVERLAY SQ. FT.	SIGNS EXTRUSHEET SQ. FT.	SIGNS FLAT SHEET AS PER PLAN SQ. FT.	REMOVAL GRD. MOUNTED SIGN AS PER PLAN EACH	REMOVAL GRD. MOUNTED MAJOR SIGN AS PER PLAN EACH	REMOVAL OVERHEAD MTD. SIGN AS PER PLAN EACH				MOUNTING BRACKET TYPE	REF. NO.	SH. NO.
	2	28	FRA270E 02846	(a)	GG	17 × 9.5			×		161.50										2	
				(b)	GB	15 × 9.5			×		142.50											
					GEP-84	7 × 2			×		14.00											
					N-44b	1.5 × 1		×					1.50							III		
	3	28	FRA 270S 02876-Z		GE	18 × 7			×		126.00										3	
					N-43b	1.5 × 1		×					1.50							III		
	4	28	FRA 270S 02887-Z		GG	15 × 7			×		105.00										4	
					N-43b	1.5 × 1		×					1.50							III		
	5	28	FRA 270S 02895-K		D-4A	9 × 2			×		18.00											
					N-43b	1.5 × 1		×					1.50							II		
	6	29	FRA 270N 02901		GE	18 × 7			×		126.00										6	
					GEP-84	7 × 2			×		14.00											
					N-44b	1.5 × 1		×					1.50							III		
	7	28	FRA 270N 02875		GB	19 × 9			×		171.00										7	
					GEP-84	7 × 2			×		14.00											
					N-44b	1.5 × 1		×					1.50							III		
	8	28	FRA 270N 02871-M		D-4A	9 × 2			×		18.00										8	58
					N-43b	1.5 × 1		×					1.50							II		
58	9	28	FRA 270W 02821	(a)	GG	17 × 9.5			×		161.50										9	
					GL Shield	17 × 1			×		17.00											
				(b)	GB	19 × 9.5			×		180.50											
					GL Shield	19 × 1			×		19.00											
					GEP-84	7 × 2			×		14.00											
					N-44b	1.5 × 1		×					1.50							III		
	11	28	FRA 270W 02803		GC	18 × 4.5			×		81.00										11	
					N-44b	1.5 × 1		×					1.50							I		
	12	25	FRA 003N 02545		M-52B	12 × 5.5			×		66.00										12	
					N-44b	1.5 × 1		×					1.50							III		
	13	25	FRA003S 02590		GH-1	16 × 5.5			×	Change "Worthington" to "Indianapolis"	88.00										13	
					N-44b	1.5 × 1		×					1.50							III		
	14	25	FRA003S 02579		GH	11 × 7.5			×	Change "South" to "East" and "Gahanna" to "Wheeling"	82.50										14	
					N-44b	1.5 × 1		×					1.50							III		
	15	25	FRA003S 02560		GH-1	13 × 5.5			×	Change "South" to "East" and "Gahanna" to "Wheeling"	71.50										15	
					N-44b	1.5 × 1		×					1.50							II		
	16	25	FRA003N 02564		GH	15 × 5.5			×	Change "Worthington" to "Indianapolis"	82.50										16	
					N-44b	1.5 × 1		×					1.50									
	2	29	FRA 270S 02928		GB	18 × 11			×		198.00										2	
					GEP-132	11 × 2			×		22.00											
					N-44b	1.5 × 1		×					1.50							III		
	4	29	FRA 270S 02953		GB	14 × 4.5			×		63.00										4	
					GEP-96	8 × 2			×		16.00											
					N-44b	1.5 × 1		×					1.50							III		
	5	29	FRA 270S 02980		GB	18 × 8.5			×		153.00										5	59
59					GL Shield	18 × 1			×		18.00											
					GEP-96	8 × 2			×		16.00											
					N-44b	1.5 × 1		×					1.50							III		
	7	29	FRA 270N 02980		GB	15 × 9			×		135.00										7	
					GEP-84	7 × 2			×		14.00											
					N-44b	1.5 × 1		×					1.50							III		
										SUB-SUM	2408.50	0	27.00	0	0	0				7 / 3 / 13		

MICROFILMED
DEC 16 1985

SUB SUMMARY

FHWA REGION	STATE	PROJECT	
5	OHIO		

19/94

FRA - 270 - 00.00

SH. NO.	REF. NO.	MILE	STRUCTURE NO.	SIGN	SIGN CODE	SIGN SIZE FT. X FT.	WORK REQUIRED: REMOVE SIGN	ERECT SIGN	OVERLAY SIGN		ITEM 630: SIGNS PERMANENT OVERLAY SQ. FT.	SIGNS EXTRUSHEET SQ. FT.	SIGNS FLAT SHEET AS PER PLAN SQ. FT.	REMOVAL GRD. MOUNTED SIGN AS PER PLAN EACH	REMOVAL GRD. MOUNTED MAJOR SIGN AS PER PLAN EACH	REMOVAL OVERHEAD MTD. SIGN AS PER PLAN EACH				MOUNTING BRACKET TYPE	REF. NO.	SH. NO.
59	9	29	FRA 270N 02935		GB	15 × 9			×		135.00										9	59
					GEP-84	7 × 2			×		14.00											
					N-44b	1.5 × 1		×					1.50							III		
	11	31	FRA 270S 03134		GB	13 × 6			×		78.00										11	
					GEP-84	7 × 2			×		14.00											
					N-44b	1.5 × 1		×					1.50							III		
	13	31	FRA 270N 03153		GB	18 × 11			×		198.00										13	
					GEP-132	11 × 2			×		22.00											
					N-44b	1.5 × 1		×					1.50							III		
	15	31	FRA 270N 03128		GB	14 × 4.5			×		63.00										15	
					GEP-96	8 × 2			×		16.00											
					N-44b	1.5 × 1		×					1.50							III		
	16	31	FRA 270N 03102		GB	16 × 8.5			×		136.00										16	
					GL Shield	16 × 1			×		16.00											
					GEP-96	8 × 2			×		16.00											
					N-44b	1.5 × 1		×					1.50							III		
60	1	30	FRA 270S 03026	(a)	GG	12 × 7			×		84.00										1	60
				(b)	GB	16 × 9			×		144.00											
					GEP-96	8 × 2			×		16.00											
				(c)	GE	21 × 7			×		147.00											
					GEP-96	8 × 2			×		16.00											
					N-44b	1.5 × 1		×					1.50							III		
	2	30	FRA 270S 03052		GE	19 × 7			×		133.00										2	
					GEP-96	8 × 2			×		16.00											
					N-44b	1.5 × 1		×					1.50									
	3	30	FRA 270S 03057		GEP	8 × 5			×		40.00										3	
					N-44b	1.5 × 1		×					1.50							II		
	4	30	FRA 270N 03081	(a)	GG	15 × 7			×		105.00										4	
				(b)	GB	18 × 9			×		162.00											
					GEP-96	8 × 2			×		16.00											
				(c)	GE	19 × 7			×		133.00											
					GEP-96	8 × 2			×		16.00											
					N-44b	1.5 × 1		×					1.50							III		
	5	30	FRA 270N 03053		GEP-96	8 × 2			×		16.00										5	
					GE	21 × 7			×		147.00											
					GL Shield	21 × 1	×	×				21.00			1							
					N-44b	1.5 × 1		×					1.50									
	6	30	FRA 270N 03046		GF	8 × 5			×		40.00										6	
					N-44b	1.5 × 1		×					1.50							II		
	7	15	FRA 161E 01533		GH	12 × 8			×	Change "Gahanna" to "Wheeling"	96.00										7	
					N-44b	1.5 × 1		×					1.50							III		
	8	15	FRA 161E 01553	(a)	GG	13 × 5.5			×		71.50										8	
				(b)	GH	12 × 7.5			×	Change "Westerville" to "Cleveland"	90.00											
				(c)	GH-1	12 × 5.5			×	Change "Gahanna" to "Wheeling"	66.00											
					N-44b	1.5 × 1		×					1.50							III		
	9	15	FRA 161E 01583	(a)	GG	13 × 5.5			×		71.50										9	
				(b)	GH	13 × 7			×		91.00											
				(c)	GE	15 × 5.5			×	Change "Westerville" to "Cleveland"	82.50											
					N-44b	1.5 × 1		×					1.50							III		
	10	16	FRA 161W 01610	(a)	GG	13 × 5.5			×		71.50										10	
				(b)	GH	12 × 7.5			×	Change "Gahanna" to "Wheeling"	90.00											
				(c)	GH-1	12 × 7.5			×	Change "Westerville" to "Cleveland"	90.00											
					N-44b	1.5 × 1		×					1.50							III		
	11	15	FRA 161W 01571		GH-1	12 × 5.5			×	Change "Gahanna" to "Wheeling"	66.00										11	
					N-44b	1.5 × 1		×					1.50							III		
										SUB-SUM	2,825.00	21.00	24.00	0	0	1				I/6 II/2 III/12		

MICROFILMED
DEC 16 1985

SUB SUMMARY

FHWA REGION	STATE	PROJECT	
5	OHIO		

20/94

FRA-270-00.00

SH. NO.	REF. NO.	MILE	STRUCTURE NO.	SIGN	SIGN CODE	SIGN SIZE FT. X FT.	WORK REQUIRED: REMOVE SIGN	ERECT SIGN	OVERLAY SIGN		ITEM 630: SIGNS PERMANENT OVERLAY SQ. FT.	SIGNS EXTRUSHEET SQ. FT.	SIGNS FLAT SHEET AS PER PLAN SQ. FT.	REMOVAL GRD. MOUNTED SIGN AS PER PLAN EACH	REMOVAL GRD. MOUNTED MAJOR SIGN AS PER PLAN EACH	REMOVAL OVERHEAD MTD. SIGN AS PER PLAN EACH				MOUNTING BRACKET TYPE	REF. NO.	SH. NO.
61	1	31	FRA 270S 03171		GB	13 × 6			×		78.00										1	61
					GEP-84	7 × 2			×		14.00											
					N-44 b	1.5 × 1		×					1.50							III		
	3	32	FRA 270S 03206		GE	12 × 6			×		72.00										3	
					GEP-84	7 × 2			×		14.00											
					N-44 b	1.5 × 1		×					1.50							III		
	5	32	FRA 270N 03282		GB	13 × 6			×		78.00										5	
					GL Shield	13 × 1			×		13.00											
					GEP 84	7 × 2			×		14.00											
					N-44b	1.5 × 1		×					1.50							III		
	6	32	FRA 270N 03255		GE	12 × 6			×		72.00										6	
					GL Shield	12 × 1			×		12.00											
					GEP-84	7 × 2			×		14.00											
					N-44b	1.5 × 1		×					1.50							III		
	8	33	FRA 270N 03351		GB	13 × 6			×		78.00										8	
					GL Shield	13 × 1			×		13.00											
					GEP-84	7 × 2			×		14.00											
					N-44b	1.5 × 1		×					1.50							III		
62	1	32	FRA 270S 03214-N		D-4D	7 × 2			×		14.00										1	62
					N-43b	1.5 × 1		×					1.50							I		
	2	32	FRA 270N 03236-H		D-4D	7 × 2			×		14.00										2	
					N-43b	1.5 × 1		×					1.50							I		
	3	4	MORS-E 00498		M-52B	12 × 5.5			×		66.00										3	
					N-44b	1.5 × 1		×					1.50							III		
	4	5	MORS-E 00510		GH-1	8 × 4			×		32.00										4	
					N 44b	1.5 × 1		×					1.50							III		
	5	5	MORS-E 00539		GH-1	8 × 5			×		40.00										5	
					N-44b	1.5 × 1		×					1.50							III		
	7	5	MORS-W 00539		GH-1	8 × 5			×		40.00										7	
					N-44b	1.5 × 1		×					1.50							III		
	8	5	MORS-W 00520		GH-1	7 × 5			×		35.00										8	
					N-44b	1.5 × 1		×					1.50							III		
63	1	33	FRA 270S 03396		GB	17 × 8			×		136.00										1	63
					GL Shield	17 × 1	×	×				17.00				1						
					GEP-132	11 × 2			×		22.00											
					N-44 b	1.5 × 1		×					1.50									
	2	34	FRA 270S 03428		GB	15 × 11.5			×	Changed "South to West"	172.50										2	
					GEP-96	9 × 2			×		18.00											
					N-44b	1.5 × 1		×					1.50							III		
	4	34	FRA 270N 03437		W-54D	16 × 8			×		128.00										4	
					GL Shield	16 × 1			×		16.00											
					N-44b	1.5 × 1		×					1.50							III		
64	1	34	FRA 270S 03486	(a)	GG	15 × 7			×		105.00										1	64
				(b)	GB	12 × 9.5			×	Changed "North to East"	114.00											
					GEP-120	10 × 2			×		20.00											
				(c)	GE	18 × 9.5			×	Changed "South to West"	171.00											
					GEP-120	10 × 2			×		20.00											
					N-44b	1.5 × 1		×					1.50							III		
	2	34	FRA 270S 03493		GF	8 × 5			×		40.00										2	
					N-44b	1.5 × 1		×					1.50							I		
										SUB-SUM	1,689.00	17.00	25.50	0	0	1				I/3 II/8 III/19		

MICROFILMED
DEC 16 1985

SUB SUMMARY

FHWA REGION	STATE	PROJECT	
5	OHIO		

21/94

FRA-270-00.00

SH. NO.	REF. NO.	MILE	STRUCTURE NO.	SIGN	SIGN CODE	SIGN SIZE FT. X FT.	WORK REQUIRED: REMOVE SIGN	ERECT SIGN	OVERLAY SIGN		ITEM 630: SIGNS PERMANENT OVERLAY SQ. FT.	SIGNS EXTRUSHEET SQ. FT.	SIGNS FLAT SHEET AS PER PLAN SQ. FT.	REMOVAL GRD. MOUNTED SIGN AS PER PLAN EACH	REMOVAL GRD. MOUNTED MAJOR SIGN AS PER PLAN EACH	REMOVAL OVERHEAD MTD. SIGN AS PER PLAN EACH				MOUNTING BRACKET TYPE	REF. NO.	SH. NO.
	3	35	FRA270S 03516		GE	15 × 7			×	Changed "North to East"	105.00										3	
					GEP-120	10 × 2			×		20.00											
					N-44b	1.5 × 1		×					1.50									
	4	35	FRA270S 03527		GF	8 × 5															4	
					N-44b	1.5 × 1		×					1.50							I		
	5	21	FRA270E 02103		GH	11 × 8															5	
																				III		
	6	21	FRA062E 02141		GG	16 × 8															6	
					GH	10 × 8																
					GH-1	11 × 6																
					N-44b	1.5 × 1		×					1.50							III		
	7	21	FRA062E 02155	(a)	GG	16 × 8															7	
				(b)	GH-1	13 × 6																
					N-44b	1.5 × 1		×					1.50							III		
	8	21	FRA062E 02189		GN	6 × 3			×		18.00										8	
					N-44b	1.5 × 1		×					1.50							I		
64	9	21	FRA 062W 02196	(a)	GG	12 × 6															9	
				(b)	GH	12 × 8			×		96.00											64
				(c)	GH-1	15 × 6			×		90.00											
					N-44b	1.5 × 1		×					1.50							III		
	9A	21	FRA062W 02194		M-45	3.5 × 5															9A	
					N-44b	1.5 × 1		×					1.50							I		
	10	21	FRA062W 02170		GH	12 × 7															10	
					GH-1	11 × 6			×		66.00											
					N-44b	1.5 × 1		×					1.50							III		
	11	21	FRA062W 02153		GH	12 × 7															11	
					N-44b	1.5 × 1		×					1.50							III		
	12	21	FRA062W 02127	(a)	GG	16 × 8															12	
				(b)	GH	15 × 5																
					N-44b	1.5 × 1		×					1.50							III		
	13	21	FRA062W 02123		GF	6 × 5															13	
																				I		
	14	21	FRA062W 02110-M		D-4B	8 × 4															14	
																				I		
	1	20	FRA062E 02068	(a)	GH	12 × 9.5															1	
				(b)	GH-1	15 × 5																
					N-44b	1.5 × 1		×					1.50							III		
	2	22	FRA062W 02249		GC	6 × 6															2	
					N-44b	1.5 × 1		×					1.50							II		
	3	22	FRA062W 02224		GH	12 × 8			×		96.00										3	
					N-44b	1.5 × 1		×					1.50							III		
65	4	9	STEL-N 00996		GH-1	7 × 6															4	
																				III		65
	5	10	STEL-N 01006		GH-1	7 × 5															5	
																				III		
	6	10	STEL-S 01006		GH-1	7 × 5															6	
																				III		
	7	9	STEL-S 00986		GH-1	7 × 6															7	
																				III		
										SUB-SUM	491.00	0	19.50	0	0	0				I 3 / II 1 / III 13		

MICROFILMED
DEC 15 1995

SUB SUMMARY

FHWA REGION	STATE	PROJECT	
5	OHIO		

22/94

FRA-270-00,00

SH. NO.	REF. NO.	MILE	STRUCTURE NO.	SIGN	SIGN CODE	SIGN SIZE FT. X FT.	WORK REQUIRED: REMOVE SIGN	ERECT SIGN	OVERLAY SIGN		ITEM 630: SIGNS PERMANENT OVERLAY SQ. FT.	SIGNS EXTRUSHEET SQ. FT.	SIGNS FLAT SHEET AS PER PLAN SQ. FT.	REMOVAL, GRD. MOUNTED SIGN AS PER PLAN EACH	REMOVAL GRD. MOUNTED MAJOR SIGN AS PER PLAN EACH	REMOVAL OVERHEAD MTD. SIGN AS PER PLAN EACH				MOUNTING BRACKET TYPE	REF. NO.	SH. NO.
66	1	35	FRA270N 03576-M	(a)	M-32B	11×8			×	Changed "South & North" To "West & East", Added "Next Left"	88.00										1	66
				(b)	GE	17×5			×		83.00											
					N-43b	1.5×1		×					1.50							III		
	2	35	FRA270N 03567-M		D-4D	10×6			×		60.00										2	
					N-43b	1.5×1		×					1.50							I		
	3	35	FRA270N 0356-M	(a)	GG	16×6															3	
				(b)	GE	13×6																
					N-43b	1.5×1		×					1.50							III		
67	2	35	FRA270N 03595		GF	6×5			×		30.00										2	67
					N-44b	1.5×1		×					1.50							I		
	3	35	FRA270N 03590		GCA	11×5			×		55.00										3	
					GL Shield	11×1			×		11.00											
					N-44b	1.5×1		×					1.50									
	4	35	FRA270N 03585-M		GA	12×5	×	×		For Ground Mounted Support Quantities See		60.00			1						4	
					N-43b	1.5×1		×		Sheet No. 33 A.			1.50							I		
	6	36	FRA2705 03611		GB	17×11.5			×		195.50										6	
					GEP-108	9×2			×		18.00											
					N-44b	1.5×1		×					1.50							III		
	7	36	FRA270N 03603	(a)	GG	25×9.5			×		237.50										7	
				(b)	GE	18×11.5																
					GEP-108	9×2																
					N-44b	1.5×1		×					1.50							III		
68	1	36	FRA2705 03664		GB	17×11.5			×		195.50										1	68
					GEP-108	9×2			×		18.00											
					N-44b	1.5×1		×					1.50							III		
	2	36	FRA2705 03678		GC	10×4.5			×		45.00										2	
					N-44b	1.5×1		×					1.50							I		
					GEP-84	7×2			×		14.00											
	4	36	FRA270N 03669		GCA	14×6			×		84.00										4	
					GL Shield	14×1			×		14.00											
					N-44b	1.5×1		×					1.50							III		
	6	36	FRA270N 03645	(a)	GG	25×9.5			×		237.50										6	
				(b)	GB	18×11.5																
					GEP-108	9×2			×		18.00											
					N-44b	1.5×1		×					1.50							III		
69	1	37	FRA2705 03705		GE	20×9.5			×		190.00										1	69
					GEP-84	7×2			×		14.00											
					N-44b	1.5×1		×					1.50							III		
	2	37	FRA2705 03712		GF	6×5			×		30.00										2	
					N-44b	1.5×1		×					1.50							I		
	3	37	FRA2705 03725-H		D-4B	9×4			×		36.00										3	
					D-4A	9×2			×		18.00											
					GC	6×2			×		12.00											
					N-43b	1.5×1		×					1.50							I		
70	1	20	FRA317N 02027		GH-1	15×6			×		90.00										1	70
					GL Shield	1.5×1			×		15.00											
					N-44b	1.5×1		×					1.50							III		
										SUB-SUM	1,811.00	60.00	24.00	0	1	0				6 / 8 / 9		

MICROFILMED
DEC 16 1985

SUB SUMMARY

FHWA REGION	STATE	PROJECT	
5	OHIO		

FRA-270 - 00.00

SH. NO.	REF. NO.	MILE	STRUCTURE NO.	SIGN	SIGN CODE	SIGN SIZE FT. X FT.	WORK REQUIRED: REMOVE SIGN	ERECT SIGN	OVERLAY SIGN		ITEM 630: SIGNS PERMANENT OVERLAY SQ. FT.	SIGNS EXTRUSHEET SQ. FT.	SIGNS FLAT SHEET AS PER PLAN SQ. FT.	REMOVAL GRD. MOUNTED SIGN AS PER PLAN EACH	REMOVAL GRD. MOUNTED MAJOR SIGN AS PER PLAN EACH	REMOVAL OVERHEAD MTD. SIGN AS PER PLAN EACH				MOUNTING BRACKET TYPE	REF. NO.	SH. NO.
70	2	20	FRA 317S 02040	(a)	GC	11 × 8			×		88.00										2	70
					GL Shield	11 × 1			×		11.00											
				(b)	GH	11 × 8			×		88.00											
					GL Shield	11 × 1			×		11.00											
				(c)	GH-1	15 × 6			×		90.00											
					GL Shield	15 × 1			×		15.00											
					N-44b	1.5 × 1		×					1.50							III		
71	1	20	FRA 317S 02054		GH	12 × 9.5			×		114.00										1	71
					N-44b	1.5 × 1		×					1.50							III		
72	1	19	FRA 317N 01988		GH	12 × 9.5			×		114.00										1	72
					GL Shield	12 × 1			×		12.00											
					N-44b	1.5 × 1		×					1.50							III		
	2	20	FRA 317N 02001	(a)	GG	12 × 6			×		72.00										2	
					GL Shield	12 × 1			×		12.00											
				(b)	GH	12 × 8			×		96.00											
					GL Shield	12 × 1			×		12.00											
				(c)	GH-1	11 × 6			×		66.00											
					GL Shield	11 × 1			×		11.00											
					N-44b	1.5 × 1		×					1.50							III		
	3	20	FRA 317S 02018		GH-1	11 × 6			×		66.00										3	
					GL Shield	11 × 1			×		11.00											
					N-44b	1.5 × 1		×					1.50							III		
73	1	37	FRA 270N 03765	(a)	GG	18 × 7			×		126.00										1	73
					JNF		×									1						
					GL Shield	18 × 1			×		18.00											
				(b)	GB	18 × 11.5																
					GL Shield	18 × 1																
					GEP-84	7 × 2																
				(c)	GE	20 × 9.5			×		190.00											
					GL Shield	20 × 1			×		20.00											
					N-44b	1.5 × 1		×					1.50							III		
					GEP-84	7 × 2			×		14.00											
	2	37	FRA 270N 03761		GF	6 × 5			×		30.00										2	
					N-44b	1.5 × 1		×					1.50							I		
	3	37	FRA 270N 03748-M		D-4B	9 × 4			×		36.00										3	
					D-4A	9 × 2			×		18.00											
					GC	6 × 2			×		12.00											
					N-43b	1.5 × 1		×					1.50							I		
74	2	37	FRA 270N 03794		GC	10 × 4.5			×		45.00										2	74
					GEP-84	7 × 2			×		14.00											
					N-44b	1.5 × 1		×					1.50							I		
	4	38	FRA 270S 03833		GB	13 × 9.5			×		123.50										4	
					GL Shield	13 × 1			×		13.00											
					GEP-132	11 × 2			×		22.00											
					N-44b	1.5 × 1		×					1.50							III		
	5	38	FRA 270S 03887		GB	13 × 9.5			×	Changed "Next Right" To "EXIT ↓ ONLY"	123.50										5	
					GL Shield	13 × 1			×		13.00											
					GEP-84	7 × 2					14.00											
					N-44b	1.5 × 1		×					1.50							III		
	6	38	FRA 270N 03889		GC	15 × 6			×		90.00										6	
					GL Shield	15 × 1			×		15.00											
					N-44b	1.5 × 1		×					1.50							III		
										SUB-SUM	1,826.00	0	18	0	0	1				I/3 II/6 III/3		

MICROFILMED
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SUB SUMMARY

FHWA REGION	STATE	PROJECT	
5	OHIO		

FRA-270-00.00

SH. NO.	REF. NO.	MILE	STRUCTURE NO.	SIGN	SIGN CODE	SIGN SIZE FT. X FT.	WORK REQUIRED: REMOVE SIGN	ERECT SIGN	OVERLAY SIGN		ITEM 630: SIGNS PERMANENT OVERLAY SQ. FT.	SIGNS EXTRUSHEET SQ. FT.	SIGNS FLAT SHEET AS PER PLAN SQ. FT.	REMOVAL GRD. MOUNTED SIGN AS PER PLAN EACH	REMOVAL GRD. MOUNTED MAJOR SIGN AS PER PLAN EACH	REMOVAL OVERHEAD MTD. SIGN AS PER PLAN EACH	SIGN ATTACHMENT ASSEMBLY EACH	LUMINAIRE SUPPORT ASSEMBLY, TYPE II EACH		MOUNTING BRACKET TYPE	REF. NO.	SH. NO.
	8	38	FRA 270N 03854		GB	17 × 11.5			×		195.50										8	
					GL Shield	17 × 1			×		17.00											
					GEP-84	7 × 2			×		14.00											
					N-44b	1.5 × 1		×					1.50							III		
74	9	38	FRA 270N 03810		GB	17 × 11.5			×		195.50										9	74
					GL Shield	17 × 1			×		17.00											
					GEP-84	7 × 2			×		14.00											
					N-44b	1.5 × 1		×					1.50							III		
	1	39	FRA 270S 03909	(a)	GG	15 × 7			×		105.00										1	
				(b)	GB	17 × 11.5			×		195.50											
					GEP-132	11 × 2			×		22.00											
				(c)	GB	17 × 9.5			×		161.50											
					GEP-84	7 × 2			×		14.00											
					N-44b	1.5 × 1		×					1.50							III		
	2	39	FRA 270S 03935-M	(a)	GE	13 × 11.5			×		149.50										2	
				(b)	GE	16 × 9.5			×		152.00											
					N-43b	1.5 × 1		×					1.50							III		
	3	39	FRA 270N 03985-Y	(a)	GB	15 × 8.5			×		127.50										3	
				(b)	GE	13 × 11.5			×		149.50											
				(c)	GE	16 × 9.2			×		147.20											
					N-43b	1.5 × 1		×					1.50							III		
	5	39	FRA 270N 03958-Y	(a)	GG	13 × 9.5			×		123.50										5	
					GL Shield	13 × 1			×		13.00											
				(b)	GE	15 × 8.5			×		127.50											
					GL Shield	15 × 1			×		15.00											
				(c)	GE	16 × 9.5			×		152.00											
					GL Shield	16 × 1			×		16.00											
					N-43b	1.5 × 1		×					150							III		
	6	39	FRA 270N 03952-Y		GF	6 × 5			×		30.00										6	
					N-43b	1.5 × 1		×					1.50							I		75
75	7	39	FRA 270N 03947-J	(a)	GG	16 × 9.5			×		152.00										7	
				(b)	GE	13 × 6			×		78.00											
					N-43b	1.5 × 1		×					1.50							III		
	8	39	FRA 270N 03945 Y	(a)	GG	13 × 9.5			×		123.50										8	
					GL Shield	13 × 1			×		13.00											
				(b)	GE	18 × 6			×		108.00											
					GL Shield	18 × 1			×		18.00											
					N-43b	1.5 × 1		×					150							III		
	10	40	FRA 270S 04007	(a)	GG	17 × 9.5	X	X		For Lighting Quantities See Sheet No. 33A.		161.50				1	1	2			10	
				(b)	GB	14 × 11.5			×		161.00											
					GEP-132	11 × 2			×		22.00											
				(c)	GB	17 × 11.5			×		195.50											
					GEP-132	11 × 2		×				2200										
					N-44b	1.5 × 1		×					1.50							III		
	12	40	FRA 270S 04044	(a)	GG	17 × 9.5	X	X	×		161.50										12	
				(b)	GB	17 × 11.5	X	X		For Lighting Quantities See Sheet No. 33A.		195.50				1	1	2				
					GEP-132	11 × 2		×				22.00										
				(c)	GB	17 × 11.5			×		195.50											
					GEP-132	11 × 2		×				22.00										
					N-44b	1.5 × 1		×					1.50							III		
	13	40	FRA 270N 04062		GSH	10 × 4			×		40.00										13	
					N-44b	1.5 × 1		×					1.50							I		
										SUB-SUM	3,421.70	423.00	18	0	0	2	2	4		I/2 II/0 III/10		

MICROFILMED
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SUB SUMMARY

FHWA REGION	STATE	PROJECT	
5	OHIO		

FRA-270 - 0000

SH. NO.	REF. NO.	MILE	STRUCTURE NO.	SIGN	SIGN CODE	SIGN SIZE FT. X FT.	WORK REQUIRED: REMOVE SIGN	ERECT SIGN	OVERLAY SIGN		ITEM 630: SIGNS PERMANENT OVERLAY SQ. FT.	SIGNS EXTRUSHEET SQ. FT.	SIGNS FLAT SHEET AS PER PLAN SQ. FT.	REMOVAL GRD. MOUNTED SIGN AS PER PLAN EACH	REMOVAL GRD. MOUNTED MAJOR SIGN AS PER PLAN EACH	REMOVAL OVERHEAD MTD. SIGN AS PER PLAN EACH				MOUNTING BRACKET TYPE	REF. NO.	SH. NO.
	14	40	FRA 270N 04042		GB	19 x 11.5			x		218.50										14	
					GL Shield	19 x 1			x		19.00											
					GEP-84	7 x 2			x		14.00											
					N-44b	1.5 x 1		x					1.50									
																				III		
	16	40	FRA 270N 04003	(a)	GG	25 x 9.5			x		237.50										16	
					GL Shield	25 x 1			x		25.00											
				(b)	GB	19 x 11.5			x		218.50											
					GL Shield	19 x 1			x		19.00											
					GEP-84	7 x 2			x		14.00											
					N-44b	1.5 x 1		x					1.50							III		
	18	7	FRA 016E 00777		GH	12 x 9.5			x		114.00										18	75
75					N-44b	1.5 x 1		x					1.50							III		
	19	7	FRA 016E 00787	(a)	GG	9 x 8.5			x		76.50										19	
				(b)	GH	11 x 8.5			x		93.50											
				(c)	GH-1	14 x 8.5			x		119.00											
					N-44b	1.5 x 1		x					1.50							III		
	20	8	FRA 016E 00830		GH-1	13 x 6			x		78.00										20	
					N-44b	1.5 x 1		x					1.50							III		
	21	8	FRA 016W 00890		GH	12 x 9.5			x		114.00										21	
					N-44b	1.5 x 1		x					1.50							III		
	22	8	FRA 016W 00864		GH	11 x 9.5			x		104.50										22	
					N-44b	1.5 x 1		x					1.50							III		
	23	8	FRA 016W 00846	(a)	GG	16 x 8.5			x		136.00										23	
				(b)	GH-1	12 x 8.5			x		102.00											
					N-44b	1.5 x 1		x					1.50							III		
	1	40	FRA 270S 04058		GC	12 x 5	x	x	x	For Ground Mounted Support Quantities See	60.00										1	
					GEP-96	8 x 2			x	Sheet No. 33A.	16.00											
					N-44b	1.5 x 1		x					1.50							I		
	2	40	FRA 270S 04080	(a)	GG	17 x 9.5			x		161.50										2	
				(b)	GB	17 x 11.5			x		195.50											
					GEP-132	11 x 2			x		22.00											
				(c)	GB	17 x 11.5			x		195.50											
					GEP-132	11 x 2			x		22.00											
					N-44b	1.5 x 1		x					1.50							III		
	3	40	FRA 270S 04094		GE	13 x 11.5			x		149.50										3	
					GL Shield	13 x 1			x		13.00											
					GEP-96	8 x 2			x		16.00											
					N-44b	1.5 x 1		x					1.50							III		
76	5	41	FRA 270S 04107	(a)	GG	14 x 9.5			x		133.00										5	76
					GEP-132	11 x 2			x		22.00											
				(b)	GB	17 x 11.5			x		195.50											
					GEP-96	8 x 2			x		16.00											
				(c)	GE	16 x 9.5			x		152.00											
					GEP-96	8 x 2			x		16.00											
					N-44b	1.5 x 1		x					1.50							III		
	6	41	FRA 270S 04132		GE	20 x 9.5			x		190.00										6	
					GEP-96	8 x 2			x		16.00											
					N-44b	1.5 x 1		x					1.50									
	7	41	FRA 270S 04139		GF	6 x 5			x		30.00										7	
					N-44b	1.5 x 1		x					1.50							I		
										SUB-SUM	3,324.50	0	21.00	0	0	0				I/2 II/0 III/11		

MICROFILMED
DEC 16 1985

SUB SUMMARY

FHWA REGION	STATE	PROJECT	
5	OHIO		

FRA-270 - 00.00

SH. NO.	REF. NO.	MILE	STRUCTURE NO.	SIGN	SIGN CODE	SIGN SIZE FT. X FT.	WORK REQUIRED: REMOVE SIGN	WORK REQUIRED: ERECT SIGN	WORK REQUIRED: OVERLAY SIGN		ITEM 630: SIGNS PERMANENT OVERLAY SQ. FT.	ITEM 630: SIGNS EXTRUSHEET SQ. FT.	ITEM 630: SIGNS FLAT SHEET AS PER PLAN SQ. FT.	ITEM 630: REMOVAL GRD. MOUNTED SIGN AS PER PLAN EACH	ITEM 630: REMOVAL GRD. MOUNTED MAJOR SIGN AS PER PLAN EACH	ITEM 630: REMOVAL OVERHEAD MTD. SIGN AS PER PLAN EACH				MOUNTING BRACKET TYPE	REF. NO.	SH. NO.
	8	41	FRA270N 04162	(a)	GG	17 x 9.5			x		161.50										8	
					GL Shield	17 x 1			x		17.00											
				(b)	GB	17 x 11.5			x		195.50											
					GL Shield	17 x 1			x		17.00											
					GEP-96	8 x 2			x		16.00											
				(c)	GE	20 x 11.5			x		230.00											
					GL Shield	20 x 1			x		20.00											
					N 44b	1.5 x 1		x					1.50							III		
					GEP-96	8 x 2			x		16.00											
	9	41	FRA270N 04132		GE	16 x 9.5			x		152.00										9	
					GL Shield	16 x 1			x		16.00											
					GEP-96	8 x 2			x		16.00											
					N-44b	1.5 x 1		x					1.50									
	10	41	FRA 270N 04126		GF	6 x 5			x		30.00										10	
					N-44b	1.5 x 1		x					1.50							I		
	11	41	FRA270N 04110		GB	15 x 9.5			x		142.50										11	
					GL Shield	15 x 1			x		15.00											
					GEP-84	7 x 2			x		14.00											
					N-44b	1.5 x 1		x					1.50							III		
	12	21	FRA 040E 02142		GH	12 x 6			x		72.00										12	
					N-44 b	1.5 x 1		x					1.50							III		76
	13	21	FRA 040E 02164	(a)	GH-1	10 x 8			x		80.00										13	
				(b)	GH-1	16 x 6			x		96.00											
					N-44b	1.5 x 1		x					1.50							III		
76	14	21	FRA040E 02191	(a)	GG	13 x 6			x		78.00										14	
				(b)	GH	15 x 6			x		90.00											
					N-44b	1.5 x 1		x					1.50							III		
	15	22	FRA 040W 02234		GH	12 x 6			x		72.00										15	
					N-44b	1.5 x 1		x					1.50							III		
	16	22	FRA 040W 02222	(a)	GG	9 x 6			x		54.00										16	
				(b)	GH	13 x 8			x		104.00											
				(c)	GH-1	12 x 8			x		96.00											
					N-44b	1.5 x 1		x					1.50							III		
	17	22	FRA 040W 02203		GH-1	15 x 6			x	Change "Gahanna" to "Cleveland"	90.00										17	
					N-44b	1.5 x 1		x					1.50							III		
	18	22	FRA 040W 02202		GH	13 x 8			x		104.00										18	
					N-44b	1.5 x 1		x					1.50							III		
	19	21	FRA 040W 02180	(a)	GG	10 x 6			x		60.00										19	
				(b)	GH-1	16 x 6			x		96.00											
					N-44b	1.5 x 1		x					1.50							III		
	1	41	FRA 2705 04175	(a)	GG	13 x 9.5			x		123.50										1	
				(b)	GB	14 x 9.5			x		133.00											
					GEP-96	8 x 2			x		16.00											
				(c)	GB	17 x 9.5			x	Changed (↓ ↓) To (↓EXIT ONLY↓)	161.50											
					GEP 96	8 x 2			x		16.00											
					N-44b	1.5 x 1		x					1.50							III		
	4	41	FRA 270N 04192	(a)	GG	17 x 9.5			x		161.50										4	
					GL Shield	17 x 1			x		17.00											
				(b)	GB	13 x 11.5			x		149.50											77
77					GL Shield	13 x 1			x		13.00											
					GEP-96	8 x 2			x		16.00											
				(c)	GB	17 x 11.5			x		195.50											
					GL Shield	17 x 1			x		17.00											
					GEP 96	8 x 2			x		16.00											
					N-44 b	15 x 1		x					1.50							III		
										SUB-SUM	3,186.00	0	21.00	0	0	0				7 / 2 / 11		

MICROFILMED
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SUB SUMMARY

FHWA REGION	STATE	PROJECT	
5	OHIO		

FRA-270 - 0000

SH. NO.	REF. NO.	MILE	STRUCTURE NO.	SIGN	SIGN CODE	SIGN SIZE FT. X FT.	WORK REQUIRED: REMOVE SIGN	ERECT SIGN	OVERLAY SIGN		ITEM 630: SIGNS PERMANENT OVERLAY SQ. FT.	SIGNS EXTRUSHEET SQ. FT.	SIGNS FLAT SHEET AS PER PLAN SQ. FT.	REMOVAL GRD. MOUNTED SIGN AS PER PLAN EACH	REMOVAL GRD. MOUNTED MAJOR SIGN AS PER PLAN EACH	REMOVAL OVERHEAD MTD. SIGN AS PER PLAN EACH				MOUNTING BRACKET TYPE	REF. NO.	SH. NO.
77	5	42	FRA270S 04211	(a)	GG	13×9.5			×		123.50										5	77
					GL Shield	13 × 1			×		13.00											
					JNF		×									1						
				(b)	GB	14 × 9.5			×		133.00											
					GL Shield	14 × 9.5			×		133.00											
					GEP-96	8 × 2			×		16.00											
				(c)	GB	17 × 9.5			×	Changed(↓ ↓) To (↓EXIT ONLY↓)	161.50											
					GL Shield	17 × 1			×		17.00											
					GEP 96	8 × 2			×		16.00											
					N-44b	1.5 × 1		×					1.50							III		
	6	42	FRA270N 04217	(a)	GB	13 × 11.5			×		149.50										6	
					GL Shield	13 × 1			×		13.00											
					GEP-96	8 × 2			×		16.00											
				(b)	GB	17 × 11.5			×		195.50											
					GL Shield	17 × 1			×		17.00											
					GEP-96	8 × 2			×		16.00											
					N-44b	1.5 × 1		×					1.50							III		
78	1	42	FRA270S 04246	(a)	GG	13 × 9.5			×		123.50										1	78
				(b)	GB	14 × 9.5			×		133.00											
					GEP-96	8 × 2			×		16.00											
				(c)	GE	17 × 9.5			×	Changed (↓ONLY↓) To (↓ EXIT ONLY↓)	161.50											
					GEP-96	8 × 2			×		16.00											
					N-44b	1.5 × 1		×					1.50							III		
	2	42	FRA270S 04299		IM-8		×									1					2	
					IM-38		×									1						
					IM-40		×									1						
					M-5-24		×									1						
				(a)	GG	17 × 9.5			×		161.50											
				(b)	GE	17 × 7			×		119.00											
					GEP 96	8 × 2			×		16.00											
					N-44b	1.5 × 1		×					1.50							III		
	2A	42	FRA270S 04259		GF	8 × 5			×		40.00										2A	
					N-44b	1.5 × 1		×					1.50							I		
	2B	42	FRA 270S 04263		GC	12 × 5			×		60.00										2B	
					GEP-96	8 × 2			×		16.00											
					N-44b	1.5 × 1		×					1.50							I		
	3	42	FRA 270N 04298	(a)	GB	17 × 11.5			×		195.50										3	
					GL Shield	17 × 1			×		17.00											
					GEP-144	12 × 2			×		24.00											
				(b)	GE	17 × 9.5			×		161.50											
					GL Shield	17 × 1			×		17.00											
					GEP-96	8 × 2			×		16.00											
					N-44b	1.5 × 1		×					1.50							III		
	4	42	FRA 270N 04273	(a)	GE	17 × 11.5			×		195.50										4	
					GEP-132	11 × 2			×		22.00											
				(b)	GE	16 × 7			×		112.00											
					GEP 96	8 × 2			×		16.00											
					N-44b	1.5 × 1		×					1.50							III		
	5	43	FRA 270N 04344	(a)	GG	16 × 9.5			×		152.00										5	
					GL Shield	16 × 1			×		16.00											
				(b)	GB	17 × 11.5			×		195.50											
					GL Shield	17 × 1			×		17.00											
					GEP-144	12 × 2			×		24.00											
				(c)	GB	14 × 9.5			×		133.00											
					GL Shield	14 × 1			×		14.00											
					GEP 96	8 × 2			×		16.00											
					N-44b	1.5 × 1		×					1.50							III		
										SUB-SUM	3,226.50	0	13.5	0	0	5						

MICROFILMED
DEC 16 1985

SUB SUMMARY

FHWA REGION	STATE	PROJECT	
5	OHIO		

FRA-270-00.00

SH. NO.	REF. NO.	MILE	STRUCTURE NO.	SIGN	SIGN CODE	SIGN SIZE FT. X FT.	WORK REQUIRED: REMOVE SIGN	ERECT SIGN	OVERLAY SIGN	ITEM 630: SIGNS PERMANENT OVERLAY SQ. FT.	SIGNS EXTRUSHEET SQ. FT.	SIGNS FLAT SHEET AS PER PLAN SQ. FT.	REMOVAL GRD. MOUNTED SIGN AS PER PLAN EACH	REMOVAL GRD. MOUNTED MAJOR SIGN AS PER PLAN EACH	REMOVAL OVERHEAD MTD. SIGN AS PER PLAN EACH				MOUNTING BRACKET TYPE	REF. NO.	SH. NO.
	6	43	FRA270N 04316	(a)	GG	17 x 9.5			x	161.50										6	
					GL Shield	17 x 1			x	17.00											
				(b)	GE	17 x 11.5			x	195.50											
					GL Shield	17 x 1			x	17.00											
					GEP-144	12 x 2			x	24.00											
				(c)	GE	14 x 9.5			x	133.00											
					GL Shield	14 x 1			x	14.00											
					GEP-96	8 x 2			x	16.00											
					N-44b	1.5 x 1		x				1.50							III		
	7	108	FRA070E 10823	(a)	GG	17 x 9.5			x	161.50										7	
				(b)	GB	17 x 11.5			x	195.50											
					GEP-96	8 x 2			x	16.00											
					N-44b	1.5 x 1		x				1.50							III		
	8	108	FRA070E 10830		GF	8 x 5			x	40.00										8	
					N-44b	1.5 x 1		x				1.50							II		
	8A	108	FRA070E 10848-H	(a)	GG	17 x 9.5			x	161.50										8A	
				(b)	GE	17 x 7			x	119.00											
					N-43b	1.5 x 1		x				1.50							III		
	9	108	FRA070E 10849		GB	17 x 8			x	136.00										9	
					GEP-144	12 x 2			x	24.00											
					N-44b	1.5 x 1		x				1.50							III		
	10	109	FRA070E 10927		GB	17 x 8.5			x	144.50										10	78
					GEP-144	12 x 2			x	24.00											
					N-44b	1.5 x 1		x				1.50							III		
78	11	109	FRA070W 10920	(a)	GG	17 x 9.5			x	161.50										11	
				(b)	GB	16 x 9.5			x	152.00											
					GEP-108	9 x 2			x	18.00											
				(c)	GB	12 x 9.5			x	114.00											
					GEP-108	9 x 2			x	18.00											
					N-44b	1.5 x 1		x				1.50							III		
	12	109	FRA070W 10914-Z	(a)	GB	16 x 9.5			x	152.00										12	
					GEP-102	9 x 2			x	18.00											
				(b)	GE	15 x 7			x	105.00											
					GEP-108	9 x 2			x	18.00											
					N-43b	1.5 x 1		x				1.50							III		
	13	109	FRA070W 10910-Z		GF	9 x 5			x	45.00										13	
					N-43b	1.5 x 1		x				1.50							II		
	14	108	FRA070W 10887-Z	(a)	GG	13 x 9.5			x	123.50										14	
					GL Shield	13 x 1		x			13.00										
				(b)	GE	19 x 7			x	133.00											
					GL Shield	19 x 1			x	18.00											
					GEP-108	9 x 2				18.00											
					N-43b	1.5 x 1		x				1.50							III		
	15	108	FRA070W 10867-Z		GF	9 x 5			x	45.00										15	
					N-43b	1.5 x 1		x				1.50							II		
	16	108	FRA070W 10853		GB	16 x 11			x	176.00										16	
					GL Shield	16 x 1			x	16.00											
					GEP-96	8 x 2			x	16.00											
					N-44b	1.5 x 1		x				1.50							III		
									SUB-SUM	2,948.00	13.00	18.00	0	0	0				I/0 II/3 III/9	

MICROFILMED
DEC 16 1985

SUB SUMMARY

FHWA REGION	STATE	PROJECT	
5	OHIO		

FRA-270 - 00.00

SH. NO.	REF. NO.	MILE	STRUCTURE NO.	SIGN	SIGN CODE	SIGN SIZE FT. X FT.	WORK REQUIRED: REMOVE SIGN	ERECT SIGN	OVERLAY SIGN		ITEM 630: SIGNS PERMANENT OVERLAY SQ. FT.	SIGNS EXTRUSHEET SQ. FT.	SIGNS FLAT SHEET AS PER PLAN SQ. FT.	REMOVAL GRD. MOUNTED SIGN AS PER PLAN EACH	REMOVAL GRD. MOUNTED MAJOR SIGN AS PER PLAN EACH	REMOVAL OVERHEAD MTD. SIGN AS PER PLAN EACH	SIGN ATTACHMENT ASSEMBLY EACH	LUMINAIRE SUPPORT ASSEMBLY, TYPE II EACH		MOUNTING BRACKET TYPE	REF. NO.	SH. NO.
	3	43	FRA 270N 04396	(a)	GG	16 x 9.5			x		152.00										3	
					GL Shield	16 x 1			x		16.00											
				(b)	GB	17 x 11.5			x		195.50											
					GL Shield	17 x 1			x		17.00											
					GEP 144	12 x 2			x		24.00											
				(a)	GB	17 x 9.5	x	x		For Lighting Quantities See Sheet No. 33 A.		161.50				1	1	2				
					GL Shield	17 x 1	x	x				17.00										
					GEP-96	8 x 2	x	x	x		16.00											
					N-44b	1.5 x 1		x					1.50							III		
	4	43	FRA 270N 04376		GB	19 x 8			x		152.00										4	
					GL Shield	19 x 1			x		19.00											
					GEP-132	11 x 2			x		22.00											
					N-44b	1.5 x 1		x					1.50							III		
79	5	44	FRA 270S 04467		GB	13 x 11			x		143.00										5	79
					GL Shield	13 x 1		x				13.00										
					GEP-132	11 x 2			x		22.00											
					N-44b	1.5 x 1		x					1.50							III		
	6	44	FRA 670N 04470	(a)	GB	16 x 9.5			x		152.00										6	
					GL Shield	16 x 1			x		16.00											
				(b)	GB	16 x 12			x		192.00											
					GL Shield	16 x 1			x		16.00											
					GEP-144	12 x 2			x		24.00											
				(c)	GB	15 x 9.5			x		142.50											
					GL Shield	15 x 1			x		15.00											
					GEP-96	8 x 2			x		16.00											
					N-44b	1.5 x 1		x					1.50							III		
	7	44	FRA 270N 04423		GC	12 x 5	x	x	x	For Ground Mounted Support Quantities See	60.00										7	
					GEP-96	8 x 2	x	x	x	Sheet No. 33 A.	16.00											
					N-44b	1.5 x 1		x					1.50							I		
	1	45	FRA 270S 04566		GB	12 x 8.5			x	Changed (NORTH To WEST)	102.00										1	
					GEP-96	8 x 2			x		16.00											
					N-44b	1.5 x 1		x					1.50							III		
	2	45	FRA 270S 04584	(a)	GG	12 x 7			x		84.00										2	
					GL Shield	12 x 1			x		12.00											
				(b)	GB	13 x 9			x	Changed (SOUTH To EAST)	117.00											
					GL Shield	13 x 1			x		13.00											
					GEP-96	8 x 2			x		16.00											
				(c)	GE	14 x 7			x	Changed (NORTH To WEST)	98.00											
					GL Shield	14 x 1			x		14.00											
					GEP-96	8 x 2			x		16.00											
					N-44b	1.5 x 1		x					1.50							III		
	3	46	FRA 270S 04621		GE	16 x 7			x	Changed (SOUTH To EAST)	112.00										3	
					GEP-96	8 x 2			x		16.00											
					N-44b	1.5 x 1		x					1.50							III		
80	4	46	FRA 270S 04625		GE	6 x 5			x		30.00										4	80
					N-44b	1.5 x 1		x					1.50							I		
	5	46	FRA 270N 04646	(a)	GG	17 x 9.5			x		161.50										5	
					GL Shield	17 x 1			x		17.00											
				(b)	GB	13 x 11.5			x		149.50											
					GL Shield	13 x 1			x		13.00											
					GEP-84	7 x 2			x		14.00											
					N-44b	1.5 x 1		x					1.50							III		
										SUB-SUM	2,429.00	191.50	15.00	0	0	1	1	2		I/2 II/6 III/8		

MICROFILMED
DEC 16 1995

SUB SUMMARY

FHWA REGION	STATE	PROJECT	
5	OHIO		

FRA-270-00.00

SH. NO.	REF. NO.	MILE	STRUCTURE NO.	SIGN	SIGN CODE	SIGN SIZE FT. X FT.	WORK REQUIRED: REMOVE SIGN	ERECT SIGN	OVERLAY SIGN		ITEM 630: SIGNS PERMANENT OVERLAY SQ. FT.	SIGNS EXTRUSHEET SQ. FT.	SIGNS FLAT SHEET AS PER PLAN SQ. FT.	REMOVAL GRD. MOUNTED SIGN AS PER PLAN EACH	REMOVAL GRD. MOUNTED MAJOR SIGN AS PER PLAN EACH	REMOVAL OVERHEAD MTD. SIGN AS PER PLAN EACH	SIGN ATTACHMENT ASSEMBLY EACH	LUMINAIRE SUPPORT ASSEMBLY, TYPE II EACH		MOUNTING BRACKET TYPE	REF. NO.	SH. NO.
	6	46	FRA 270N 04633-Y	(a)	GE	14 × 7			×	Changed "NORTH to WEST"	98.00										6	
					GL Shield	14 × 1			×		14.00											
				(b)	GE	16 × 7			×		112.00											
					GL Shield	16 × 1			×		16.00											
					N-43b	1.5 × 1		×					1.50							III		
	7	46	FRA 270N 04608-Y	(a)	GG	22 × 7			×		154.00										7	
					GL Shield	22 × 1			×		22.00											
				(b)	GE	14 × 7			×	Changed "NORTH to WEST"	98.00											
					GL Shield	14 × 1			×		14.00											
					N-43b	1.5 × 1		×					1.50							III		
	8	24	FRA 033E 02434		GH	12 × 8	×	×		Changed "WEST to SOUTH"		96.00				1	1	2			8	
					GL Shield	12 × 1	×	×		For Lighting Quantities See Sheet No. 33 A.		12.00										
					N-44b	1.5 × 1		×					1.50							III		
	9	24	FRA 033E 02450	(a)	GG	11 × 5.5			×	Changed "SOUTH to EAST"	60.50										9	
					GL Shield	11 × 1			×		11.00											
				(b)	GH	12 × 7.5	×	×		For Lighting Quantities See Sheet No. 33 A.		90.00				1	1	2				
					GL Shield	12 × 1	×	×				12.00										
				(c)	GH-1	15 × 6	×	×		Changed "WEST to SOUTH"		90.00				1	1	2				
					GL Shield	15 × 1	×	×				15.00										
					N-44b	1.5 × 1		×					1.50							III		
80	10	24	FRA 033E 02490		GH	14 × 7.5			×		105.00										10	80
					N-44b	1.5 × 1		×					1.50							II		
	11	25	FRA 033W 02518		GH	15 × 7.5			×		112.50										11	
					GL Shield	15 × 1			×		15.00											
					N-44b	1.5 × 1		×					1.50							III		
	12	24	FRA 033W 02498	(a)	GG	11 × 7.5			×	Changed "NORTH to WEST"	82.50										12	
					GL Shield	11 × 1			×		11.00											
				(b)	GH	11 × 7.5			×	Changed "WEST to SOUTH"	82.50											
					GL Shield	11 × 1			×		11.00											
				(c)	GH-1	18 × 5.5			×		99.00											
					GL Shield	18 × 1			×		18.00											
					N-44b	1.5 × 1		×					1.50							III		
	13	24	FRA 033W 02478		GH-1	14 × 6			×	Changed "WEST to SOUTH"	84.00										13	
					N-44b	1.5 × 1		×					1.50							III		
	14	24	FRA 033W 02428		GH	13 × 5			×		65.00										14	
					N-44b	1.5 × 1		×					1.50							II		
	15	24	FRA 033E 02475		GH	13 × 6			×		78.00										15	
					N-44b	1.5 × 1		×					1.50									
	3	46	FRA 270N 04691	(a)	GG	17 × 9.5			×		161.50										3	
					GL Shield	17 × 1			×		17.00											
				(b)	GB	13 × 11.5			×		149.50											
					GL Shield	13 × 1		×				13.00										
					N-44b	1.5 × 1		×					1.50							III		
					GEP-84	7 × 2			×		14.00											
	4	47	FRA 270S 04741		GB	20 × 8			×		160.00										4	
					GEP-84	7 × 2			×		14.00											
					N-44b	1.5 × 1		×					1.50							III		
81	5	47	FRA 270N 04741		GB	13 × 11			×		143.00										5	81
					GL Shield	13 × 1			×		13.00											
					GEP-84	7 × 2			×		14.00											
					N-44b	1.5 × 1		×					1.50							III		
	6	48	FRA 270S 04829		GC	14 × 7			×		98.00										6	
					GEP-84	7 × 2			×		14.00											
					N-44b	1.5 × 1		×					1.50							I		
										SUB-SUM	2,167.00	328.00	21.00	0	0	3	3	6		7 / 1 / 16		

MICROFILMED
DEC 17 1985

SUB SUMMARY

FHWA REGION	STATE	PROJECT	
5	OHIO		

FRA-270 - 0000

31/94

SH. NO.	REF. NO.	MILE	STRUCTURE NO.	SIGN	SIGN CODE	SIGN SIZE FT. X FT.	WORK REQUIRED: REMOVE SIGN	ERECT SIGN	OVERLAY SIGN	ITEM 630: SIGNS PERMANENT OVERLAY SQ. FT.	SIGNS EXTRUSHEET SQ. FT.	SIGNS FLAT SHEET AS PER PLAN SQ. FT.	REMOVAL GRD. MOUNTED SIGN AS PER PLAN EACH	REMOVAL GRD. MOUNTED MAJOR SIGN AS PER PLAN EACH	REMOVAL OVERHEAD MTD. SIGN AS PER PLAN EACH				MOUNTING BRACKET TYPE	REF. NO.	SH. NO.
82	1	48	FRA270S 04853		GF	20 x 8			x	160.00										1	82
					GEP-84	7 x 2			x	14.00											
					N-44b	1.5 x 1		x				1.50							III		
	2	48	FRA270S 04868		GE	23 x 6			x	138.00										2	
					GEP-84	7 x 2			x	14.00											
					N-44b	1.5 x 1		x				1.50							III		
	3	48	FRA270S 04880-M		D-4A	8 x 2			x	16.00										3	
					D-4A	10 x 2			x	20.00											
					D-4E	10 x 3			x	30.00											
					N-43b	1.5 x 1		x				1.50							II		
	7	49	FRA270E 04950		GB	20 x 7.5			x	150.00										7	
					GEP-84	7 x 2			x	14.00											
					N-44b	1.5 x 1		x				1.50							III		
	8	49	FRA270E 04917		GE	23 x 6			x	138.00										8	
					GEP-84	7 x 2			x	14.00											
					N-44b	1.5 x 1		x				1.50							III		
	9	49	FRA270E 04906-H		D-4A	8 x 2			x	16.00										9	
					D-4A	10 x 2			x	20.00											
					D-4A	10 x 3			x	30.00											
					N-43b	1.5 x 1		x				1.50							II		
	10	2	ALUM-N 00293	(a)	GH	12 x 7.5			x	90.00										10	
				(b)	GH-1	13 x 5.5			x	71.50											
					N-44b	1.5 x 1		x				1.50							III		
	11	3	ALUM-N 00320		GH-1	15 x 5.5			x	82.50										11	
					N-44b	1.5 x 1		x				1.50							II		
	12	3	ALUM-S 00330		M-52B	12 x 5.5			x	66.00										12	
					N-44b	1.5 x 1		x				1.50							III		
	13	3	ALUM-S 00323		D-4A	11 x 2			x	22.00										13	
					N 44b	1.5 x 1		x				1.50							II		
	14	3	ALUM-S 00312		GH-1	12 x 5.5			x	66.00										14	
					N-44b	1.5 x 1		x				1.50							I		
	15	2	ALUM-S 00298		M-54	5 x 4			x	20.00										15	
					N-44b	1.5 x 1		x				1.50							I		
83	1	49	FRA270E 04972		GC	14 x 7			x	98.00										1	83
					GEP-84	7 x 2			x	14.00											
					N-44b	1.5 x 1		x				1.50							III		
	2	50	FRA270E 05012		GB	20 x 8			x	160.00										2	
					GL Shield	20 x 1			x	20.00											
					N-44b	1.5 x 1		x				1.50							III		
					GEP-84	7 x 2			x	14.00											
84	1	51	FRA270W 05150		GB	14 x 11			x	154.00										1	84
					GL Shield	14 x 1			x	14.00											
					GEP-132	11 x 2			x	22.00											
					N-44b	1.5 x 1						1.50							III		
	2	51	FRA270W 05174		GC	14 x 4.5			x	63.00										2	
					GEP-96	8 x 2			x	16.00											
					N-44b	1.5 x 1		x				1.50							II		
	3	51	FRA270W 05193		GB	12 x 8.5			x	102.00										3	
					GEP-96	8 x 2			x	16.00											
					N-44b	1.5 x 1		x				1.50									
									SUB-SUM	1,885.00	0	25.50	0	0	0				2 / 1 / 11		

MICROFILMED
DEC 17 1985

SUB SUMMARY

FHWA REGION	STATE	PROJECT	
5	OHIO		

FRA-270-00.00

SH. NO.	REF. NO.	MILE	STRUCTURE NO.	SIGN	SIGN CODE	SIGN SIZE FT. X FT.	WORK REQUIRED: REMOVE SIGN	WORK REQUIRED: ERECT SIGN	WORK REQUIRED: OVERLAY SIGN	ITEM 630: SIGNS PERMANENT OVERLAY SQ. FT.	ITEM 630: SIGNS EXTRUSHEET SQ. FT.	ITEM 630: SIGNS FLAT SHEET AS PER PLAN SQ. FT.	ITEM 630: REMOVAL GRD. MOUNTED SIGN AS PER PLAN EACH	ITEM 630: REMOVAL GRD. MOUNTED MAJOR SIGN AS PER PLAN EACH	ITEM 630: REMOVAL OVERHEAD MTD. SIGN AS PER PLAN EACH	MOUNTING BRACKET TYPE	REF. NO.	SH. NO.
	1	52	FRA270W 05246		LM-8		x								1		1	
					LM-40		x								1			
					M-5-24		x								1			
				(a)	GG	17 x 9.5			x	161.50								
				(b)	GB	14 x 9.5			x	133.00								
					GEP-96	8 x 2			x	16.00								
				(c)	GE	15 x 7			x	105.00								
					GEP-96	8 x 2			x	16.00								
					N-44b	1.5 x 1		x				1.50					III	
	2	52	FRA270W 05263	(a)	GG	17 x 9.5			x	161.50								2
				(b)	GB	14 x 9.5			x	133.00								
					GEP-96	8 x 2			x	16.00								
					N-44b	1.5 x 1			x			1.50						
	3	52	FRA270W 05277		GE	17 x 11			x	187.00								3
					GEP-96	8 x 2			x	16.00								
					N-44b	1.5 x 1		x				1.50					III	
	4	52	FRA270E 05296-Y		GG	15 x 7			x	105.00								4
					GE	17 x 7			x	119.00								
					N-43b	1.5 x 1		x				1.50					III	
	5	52	FRA270E 05293-Y		GC	10 x 2			x	20.00								5
					N-43b	1.5 x 1		x				1.50					I	
	6	52	FRA270E 05268-Y	(a)	GG	14 x 7			x	98.00								6
				(b)	GE	15 x 7			x	105.00								
					N-43b	1.5 x 1		x				1.50					III	
85	7	52	FRA270E 05267-J	(a)	GE	16 x 5.5			x	88.00								7
				(b)	GE	13 x 6			x	78.00								
					N-43b	1.5 x 1		x				1.50					III	
	8	53	FRA270E 05314	(a)	GG	17 x 9.5			x	161.50								8
				(b)	GB	12 x 9.5			x	114.00								
					GEP-84	7 x 2			x	14.00								
				(c)	GB	14 x 9.5			x	133.00								
					GEP-84	7 x 2			x	14.00								
					N-44b	1.5 x 1		x				1.50					III	
	9	4	FRA023N 00462		GH-1	12 x 10			x	120.00								9
					N-44b	1.5 x 1		x				1.50					II	
	10	4	FRA023N 00475		GH-1	15 x 7.5			x	112.50								10
					N-44b	1.5 x 1		x				1.50					III	
	11	5	FRA023S 00540		GH-1	14 x 7.5			x	105.00								11
					N-44b	1.5 x 1		x				1.50					II	
	12	5	FRA023S 00528	(a)	GH	11 x 7.5			x	82.50								12
				(b)	GH-1	18 x 5.5			x	99.00								
					N-44b	1.5 x 1		x				1.50					III	
	13	5	FRA023S 00505		GH-1	11 x 5.5			x	60.50								13
					N-44b	1.5 x 1			x			1.50						
	2	53	FRA270W 05368		GB	14 x 12			x	168.00								2
					GEP-84	7 x 2			x	14.00								
					N-44b	1.5 x 1		x				1.50					III	
86	4	53	FRA270E 05370		GC	14 x 4.5			x	63.00								4
					GEP-84	7 x 2			x	14.00								
					N-44b	1.5 x 1		x				1.50					II	
									SUB-SUM	2,833.00	0	22.50	0	0	3			

MICROFILMED
DEC 17 1985

SUB SUMMARY

FHWA REGION	STATE	PROJECT	
5	OHIO		

FRA-270-00.00

SH. NO.	REF. NO.	MILE	STRUCTURE NO.	SIGN	SIGN CODE	SIGN SIZE FT. X FT.	WORK REQUIRED: REMOVE SIGN	WORK REQUIRED: ERECT SIGN	WORK REQUIRED: OVERLAY SIGN		ITEM 630: SIGNS PERMANENT OVERLAY SQ. FT.	ITEM 630: SIGNS EXTRUSHEET SQ. FT.	ITEM 630: SIGNS FLAT SHEET AS PER PLAN SQ. FT.	ITEM 630: REMOVAL GRD. MOUNTED SIGN AS PER PLAN EACH	ITEM 630: REMOVAL GRD. MOUNTED MAJOR SIGN AS PER PLAN EACH	ITEM 630: REMOVAL OVERHEAD MTD. SIGN AS PER PLAN EACH				MOUNTING BRACKET TYPE	REF. NO.	SH. NO.
86	5	53	FRA270E 05335		GB	14×12			×		168.00										5	86
					GL Shield	14×1			×		14.00											
					GEP-84	7×2			×		14.00											
					N-44b	1.5×1		×					1.50							III		
	6	54	FRA 270W 05421		GB	14×12			×		168.00										6	
					GEP-84	7×2			×		14.00											
					N-44b	1.5×1		×					1.50							III		
	9	54	FRA 270E 05414		GB	14×12			×		168.00										9	
					GEP-84	7×2			×		14.00											
					N-44b	1.5×1		×					1.50							III		
34	6	54	FRA270W 05470-Z	(a)	GG	16×7			×		112.00										6	34
				(b)	GE	16×7			×		112.00											
					N-43b	1.5×1		×					1.50							III		
	7	54	FRA270W 05451	(a)	GG	17×9.5			×		161.50										7	
				(b)	GG	14×9.5			×		133.00											
					GEP-84	7×2			×		14.00											
				(c)	GB	13×9.5			×		123.50											
					GEP-84	7×2			×		14.00											
					N-44b	1.5×1		×					1.50							III		
										SUB-SUM	1,230.00	0	7.50	0	0	0				66 / 78 / 275		

MICROFILMED
DEC 17 1985

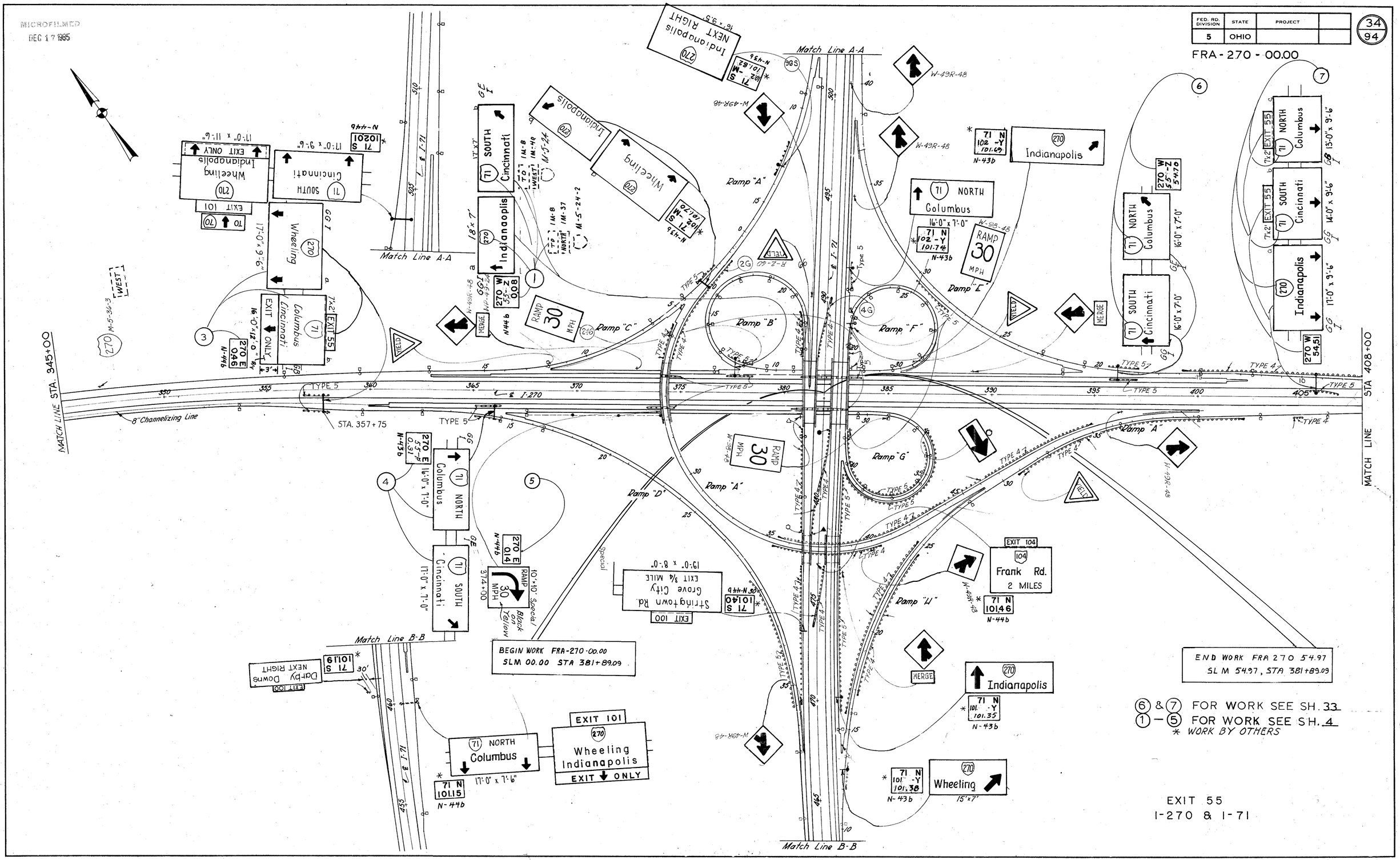
SUB SUMMARY

SHEET No.	REFERENCE No.	STRUCTURE No.	SIGN	631-SIGN LIGHTING: REMOVAL OF LUMINAIRE AND REERECTION (EACH)	SIGNS WIRED (EACH)	REMOVAL OF LUMINAIRE AND STORAGE (EACH)	REMOVAL OF BALLAST (EACH)		MERCURY VAPOR LUMINAIRE, Type H38HT-100 with 100 WATT LAMP (EACH)	BALLAST, Type CMRI-100 (EACH)	BALLAST WIRING ENCLOSURE, Type 4 (EACH)	BALLAST WIRING ENCLOSURE MOUNTING BRACKET (EACH)	MERCURY VAPOR LUMINAIRE, Type H33KB-175 with 175 WATT LAMP (EACH)	BALLAST, Type CMRI-175 (EACH)		630-SIGNS: REMOVAL OF OVERHEAD MOUNTED SIGN AND REERECTION (EACH)	REMOVAL OF GROUND MOUNTED MAJOR SIGN AND REERECTION (EACH)	REMOVAL OF GROUND MOUNTED POST SUPPORT (EACH)	REMOVAL OF GROUND MOUNTED BEAM SUPPORT (EACH)	GROUND MOUNTED SUPPORTS:		W10x12 BEAM (Lin. Ft.)		S4x7.7 BEAM (Lin. Ft.)		2 No. 4 POST (Lin. Ft.)		CONCRETE FOR EMBEDDED FOUNDATION (Cu. Yd.)	BREAKAWAY BEAM CONNECTION (EACH)	A (L.F.)	B (L.F.)	C (L.F.)	D (L.F.)	E (L.F.)
34		FRA 270 E 000.46		2	1																													
	4	FRA 270 E 000.98		2	1																													
35	5	FRA 270 W 00122															1																	
36	3	FRA 270 W 00203-M														4	1	4				23	25					2.20	2	12	7	16.16	1.75	8.50
	5	FRA 270 E 00227-H														4	1	3				21	25					2.20		12	7	16.16	1.75	8.50
	7	FRA 062 N 00800		2	1																													
	8	FRA 062 N 00820		2	1																													
	9	FRA 062 N 0083		2	1																													
	11	FRA 062 S 00835														4	1	2						20	20			2.20	2	43	5	12.18	1.75	8.50
37	6	FRA 270 E 00313																																
	2	FRA 270 W 00468			1	2	2		3	3	1	1																						
38	5	FRA 270 S 00523			1	2	2		3	3	1	1																						
40	10	FRA 40 E 00583		1	1	1																												
	13	FRA 40 W 00653		1	1	1																												
42	13	FRA 70 W 09315		2	1																													
47	3	FRA 270 N 01621																2						16	18			0.54	2	30	5	8.25	2.25	8.50
50	4	FRA 270 E 01980-H																2								12	12			10	5	7.10	1.75	8.50
	5	FRA 270 W 01985-M																2								12	13			12	5	6.62	1.75	8.50
	6	FRA 270 E 01881																2				14	14					2.20	2	30	5	6.25	2.25	8.50
52	1	FRA 270 E 2250		2	1																													
	3	FRA 270 E 2292-J		2	1																													
	15	FRA 315 S 1194																3				22	22					2.20		17	7	13	3.52	8.96
	16	FRA 315 S 01185																2				14.5	15.5					.54	2	12		10.33	4.18	10.64
57	2	FRA 270 E 02713-Y				2	2		3	3	1	1																						
67	4	FRA 270 N 03585-M																2				18.5	19					2.20	2	12	6	10.64	1.75	8.50
75	10	FRA 270 S 04007		2	1																													
	12	FRA 270 S 04094		2	1																													
76	1	FRA 270 S 04058																2	1			19.5	21					2.20	2	30	5	11	1.75	8.50
79	3	FRA 270 N 04396		2	1																													
	7	FRA 270 N 04423																2	1			19	22					2.20	2	30	5	10.22	1.75	8.50
80	8	FRA 033 E 02434			1	1	1				1	1	2	2																				
	9	FRA 033 E 02450	b	2	1																													
			c	2	1																													
		SUB-SUM		28	18	9	7		9	9	4	4	2	2		13	4	28	2			315		74		49		18.68	16					

MICROFILMED
DEC 17 1985

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

FRA - 270 - 00.00



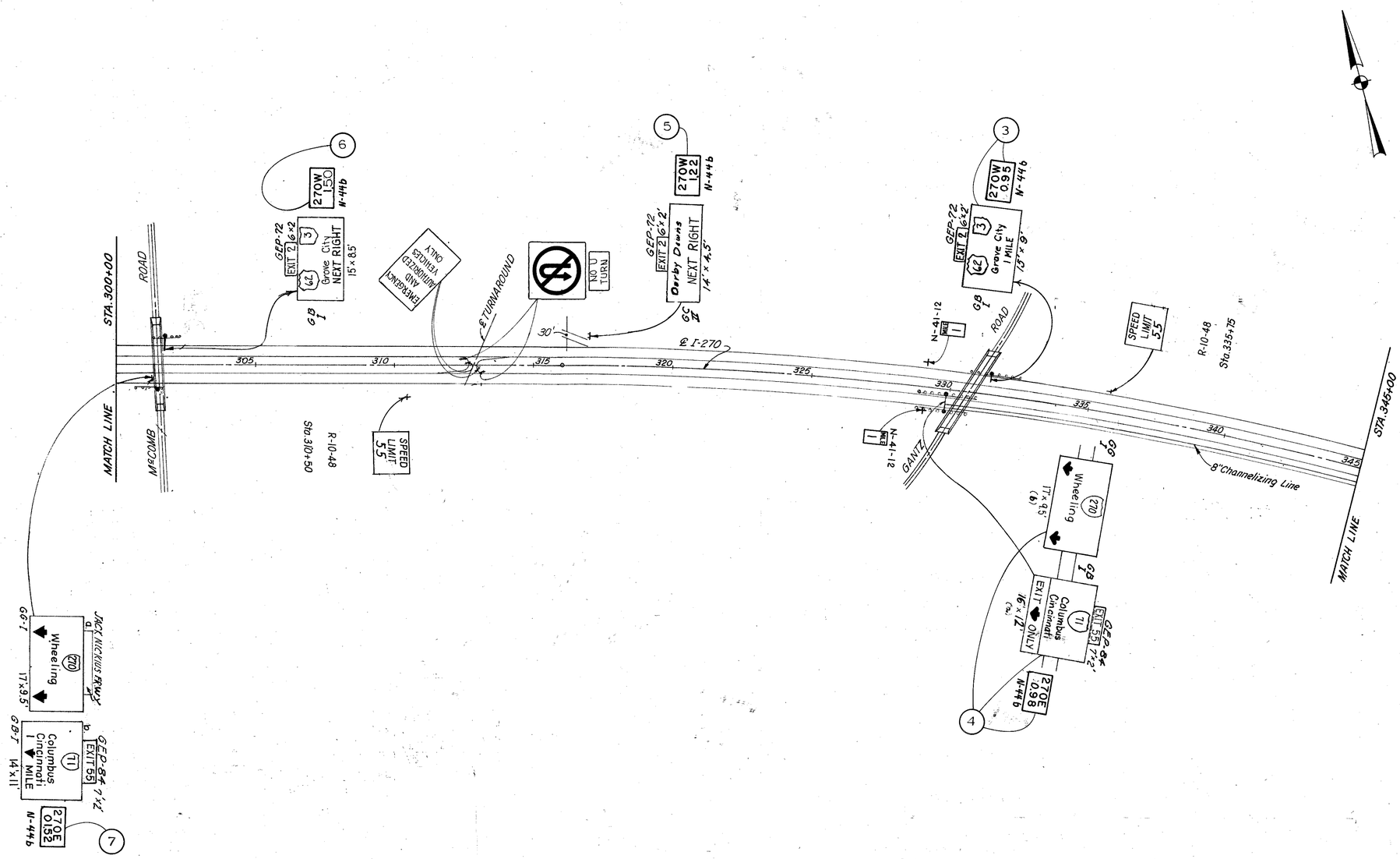
IR270 STA. 345+00 TO STA. 408+00

MICROFILMED
DEC 17 1985

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

35/94

FRA-270-00.00



(X) FOR WORK SEE SH. 4

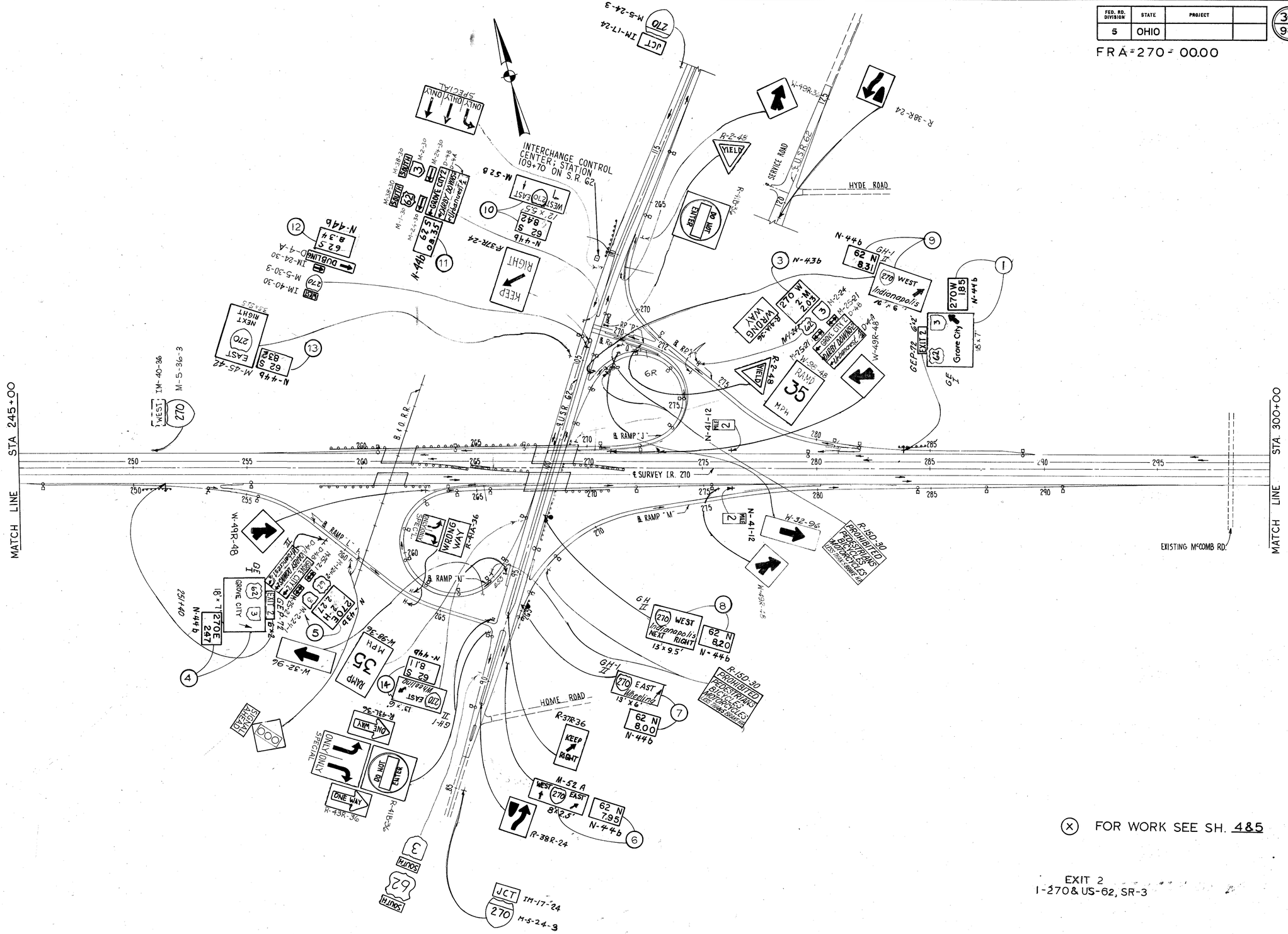
IR 270 STA. 300+00 TO STA. 345+00

MICROFILMED
DEC 17 1995

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

36
94

FRA-270-00.00



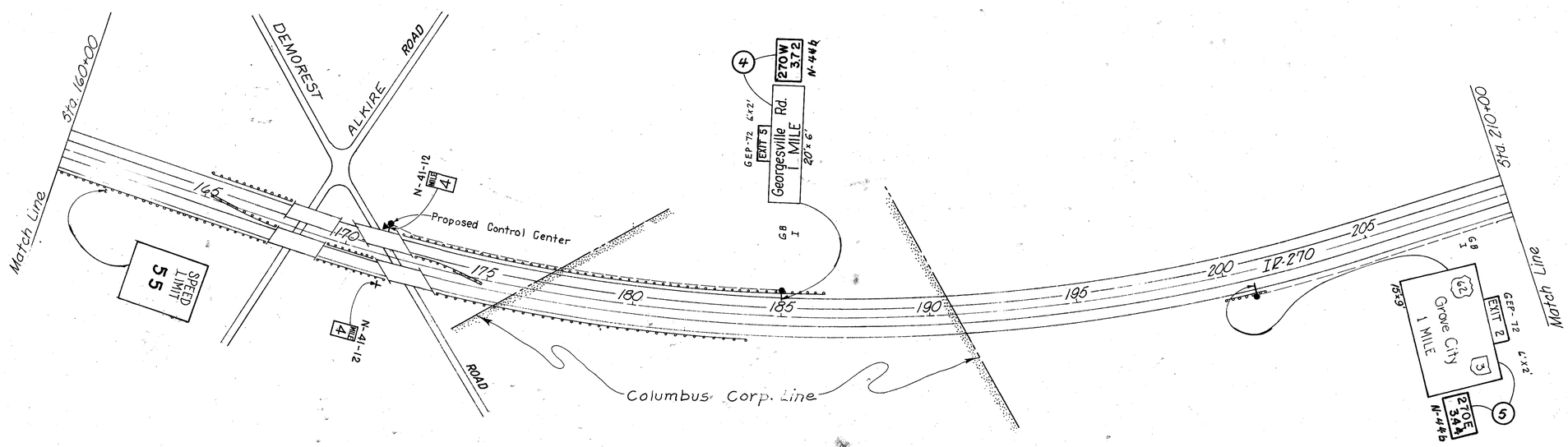
IR270 STA.245+00 TO STA.300+00

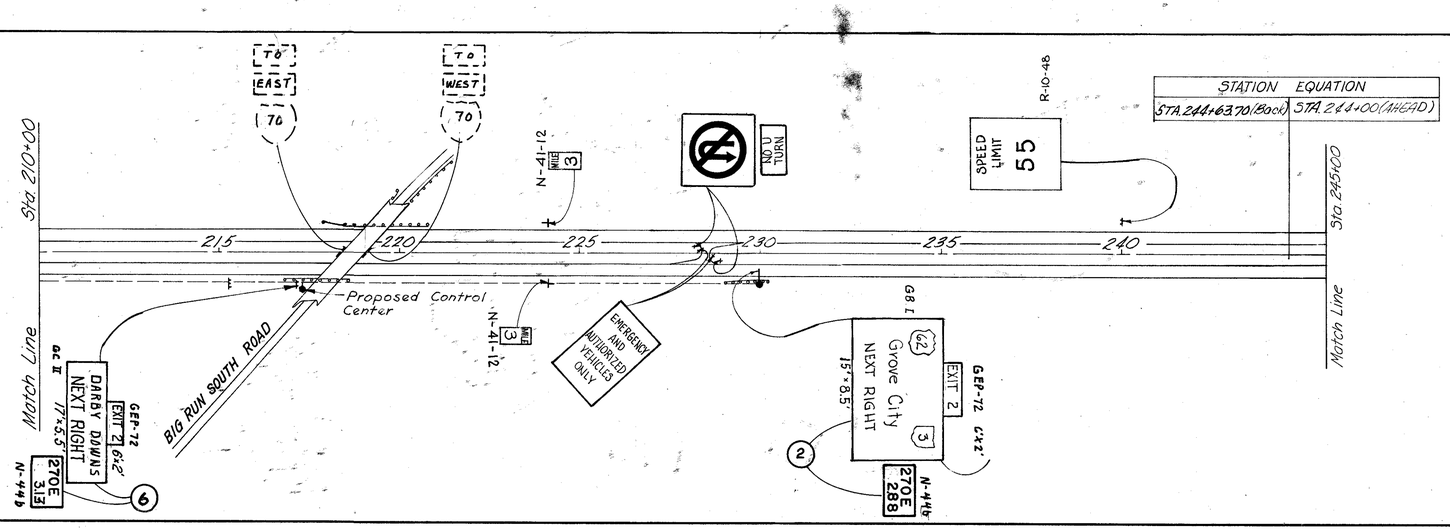
MICROFILMED
DEC 17 1985

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

37
94

FRA-270-00.00





(X) FOR WORK SEE SH. 5

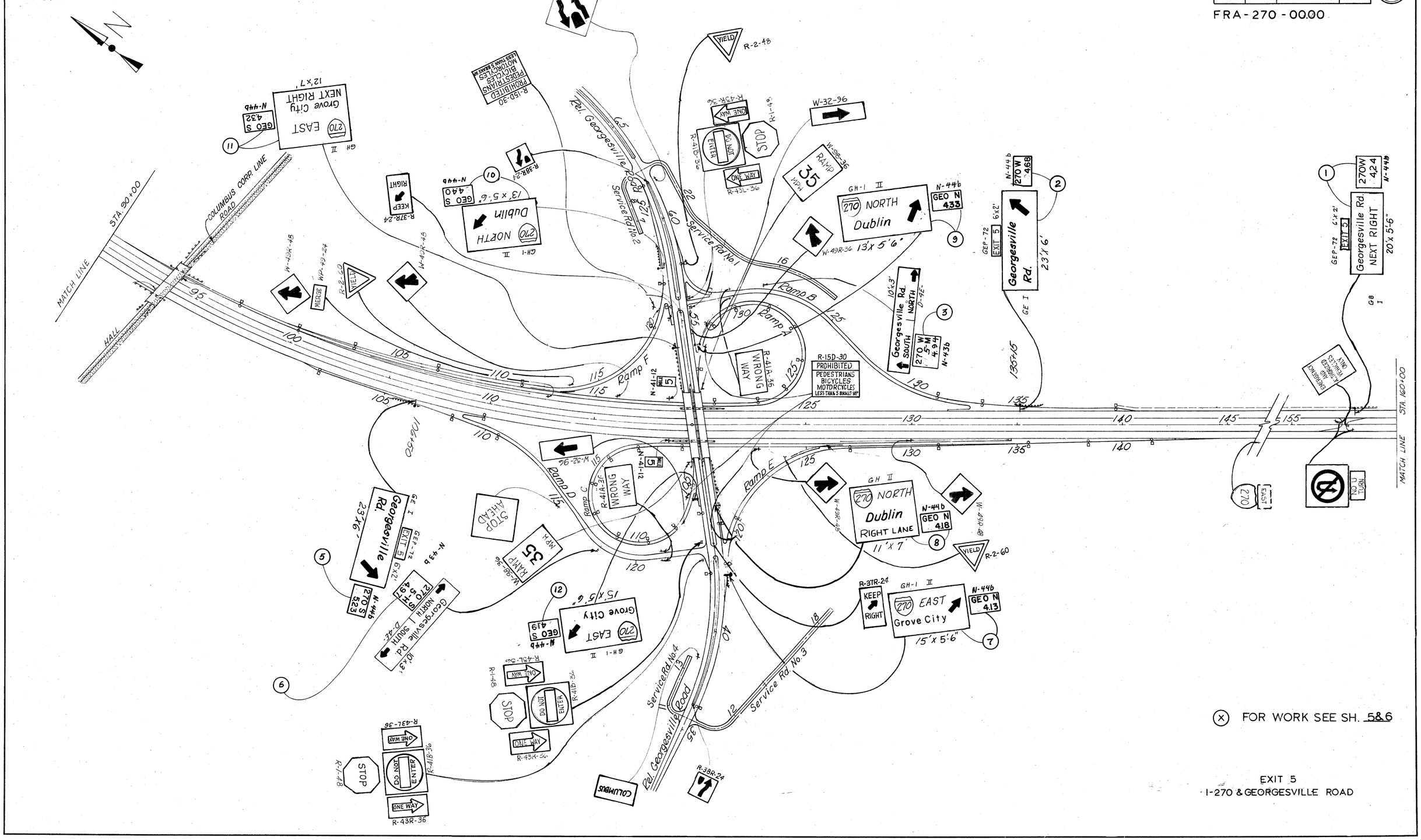
IR270 STA. 160+00 TO STA. 245+00

MICROFILMED
DEC 17 1985

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

38
94

FRA-270-00.00



(X) FOR WORK SEE SH. 5&6

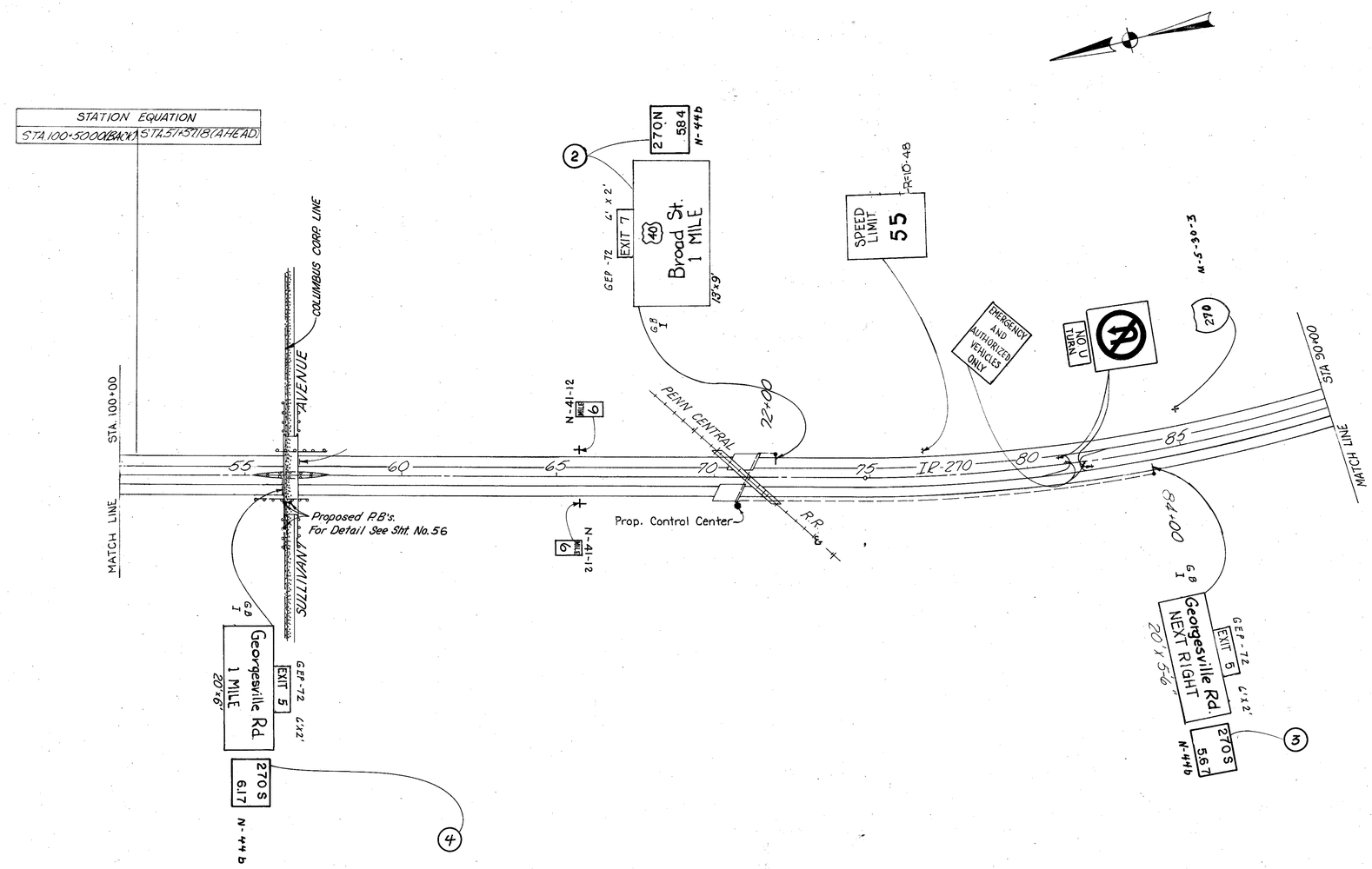
EXIT 5
I-270 & GEORGESVILLE ROAD

IR270 STA. 90+00 TO STA. 160+00

MICROFILMED
DEC 17 1985

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

FRA-270-00.00



(X) FOR WORK SEE SH. 6

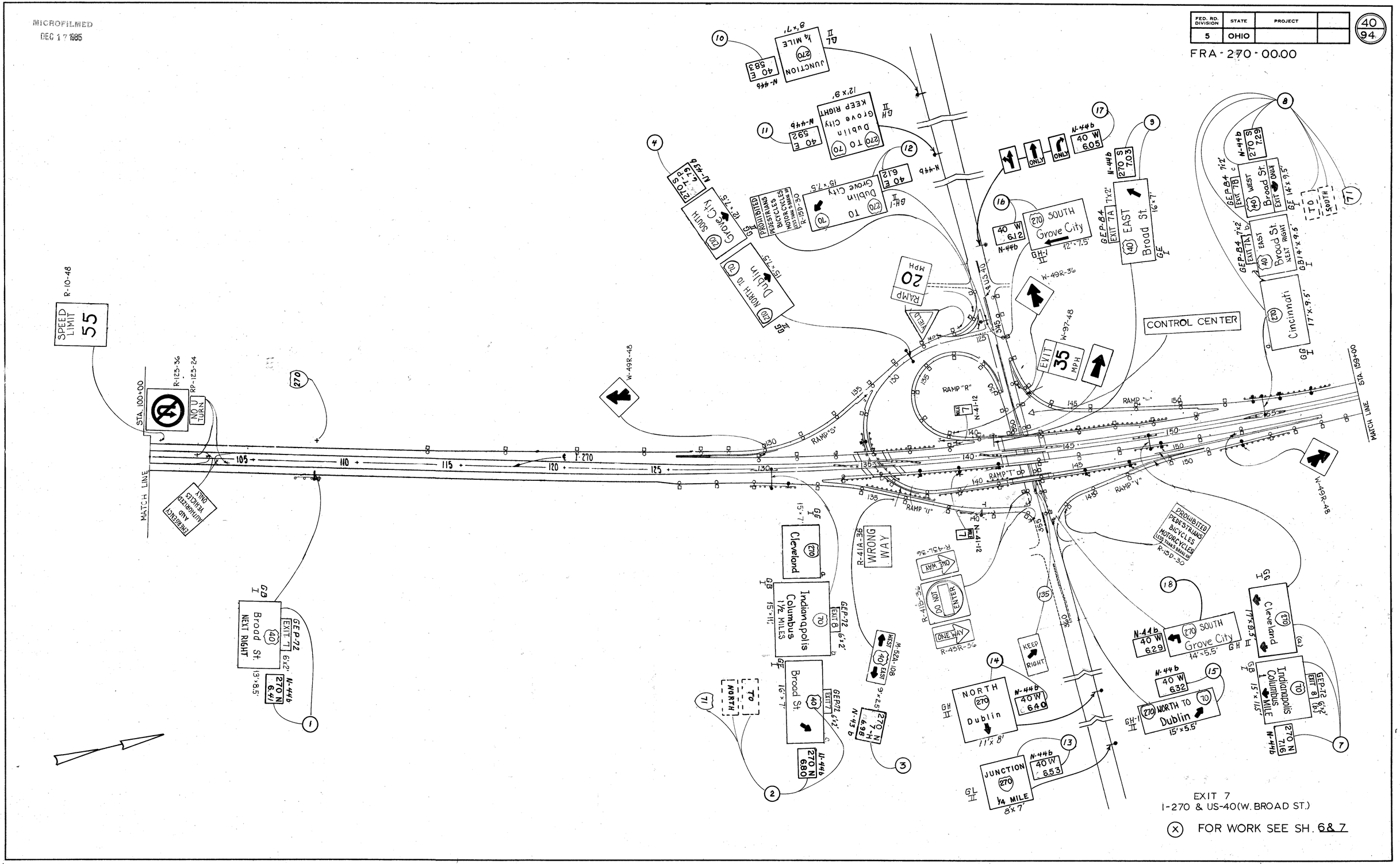
IR 270 STA. 51+57.18 TO STA. 90+00

MICROFILMED
DEC 17 1985

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

40/94

FRA-270-00.00

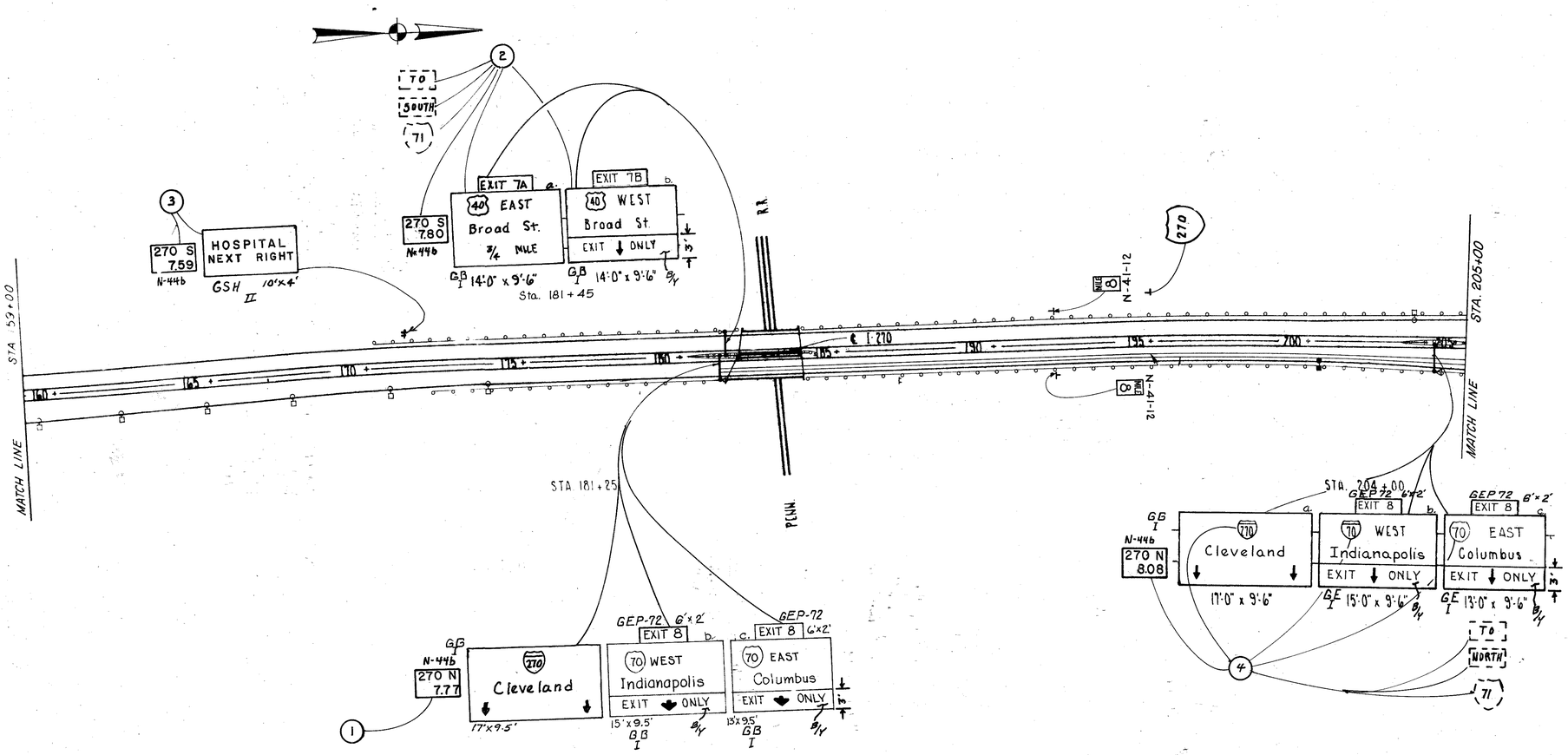


MICROFILMED
DEC 17 1985

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

41
94

FRA - 270 - 00.00



(X) FOR WORK SEE SH. 7

MICROFILMED
DEC 17 1985

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

42
94

FRA-270-00.00

ⓧ FOR WORK SEE SH. 7&8

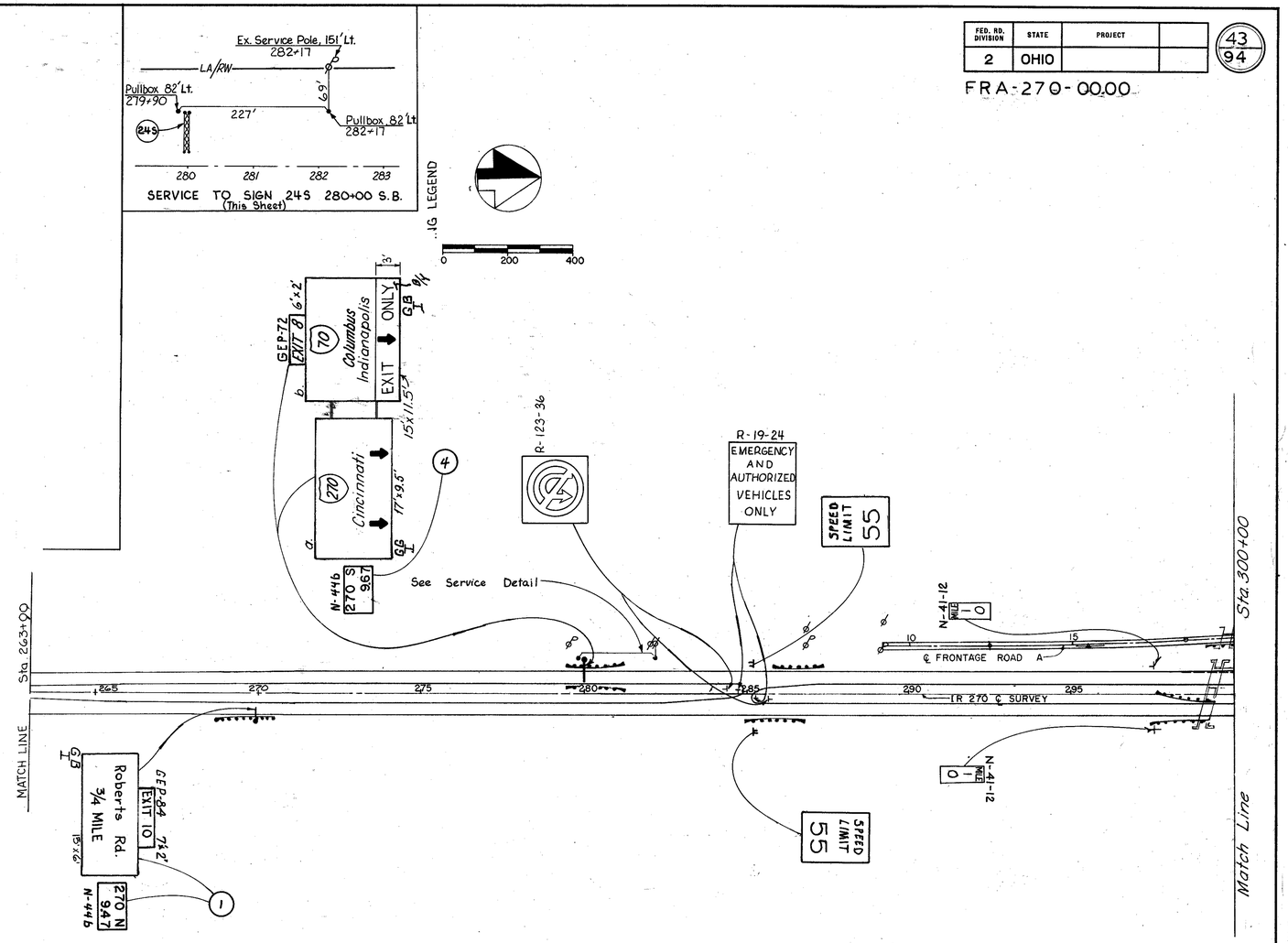
IR-270 Sta 200+00 to Sta 263+00, IR-70 Sta 334+00 to Sta 210+00

MICROFILMED
DEC 17 1995

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

43/94

FRA-270-00.00



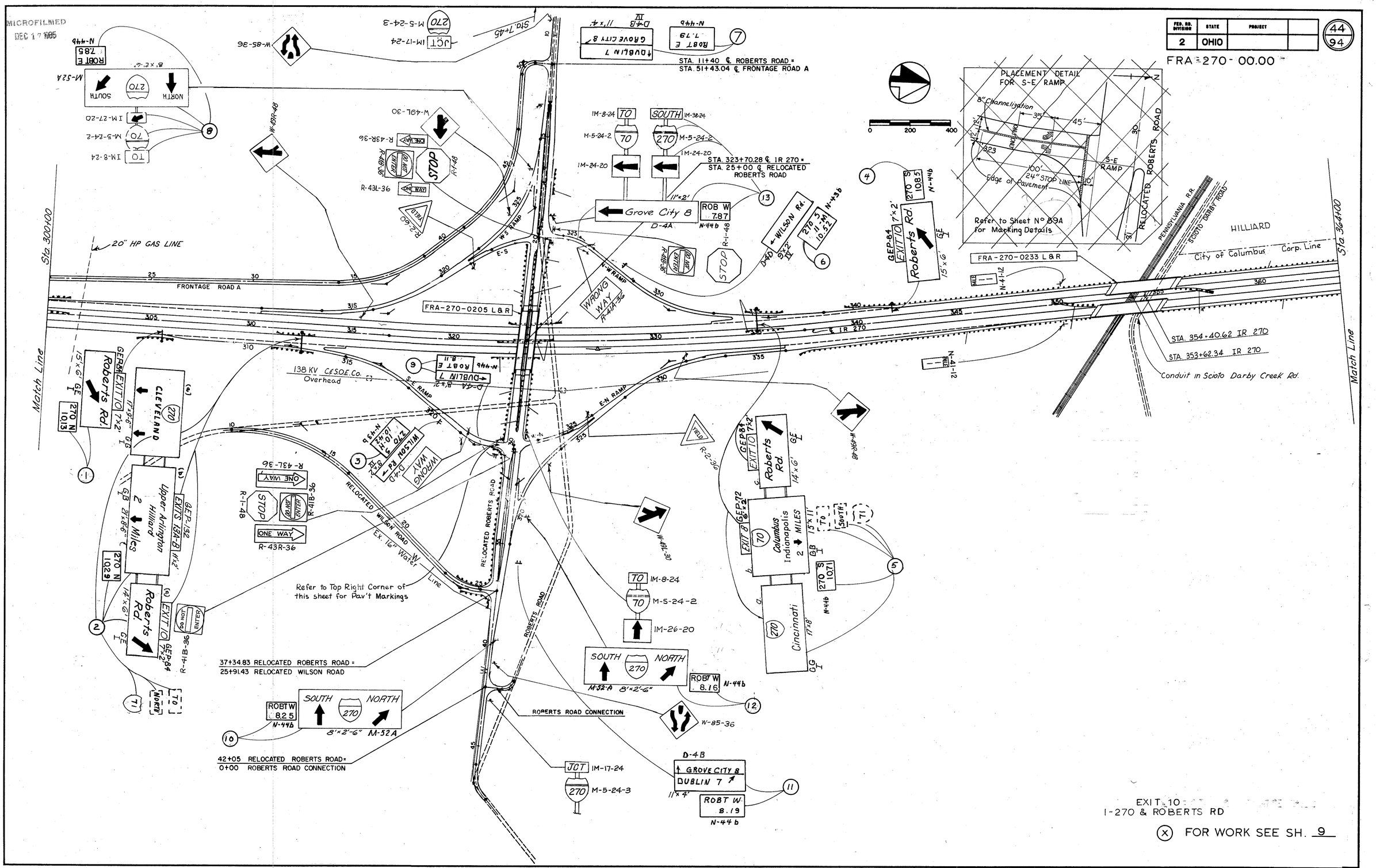
(X) FOR WORK SEE SH. 8&9

IR-270 Sta 263+00 to Sta 300+00

MICROFILMED
DEC 17 1985

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

FRA-270-00.00



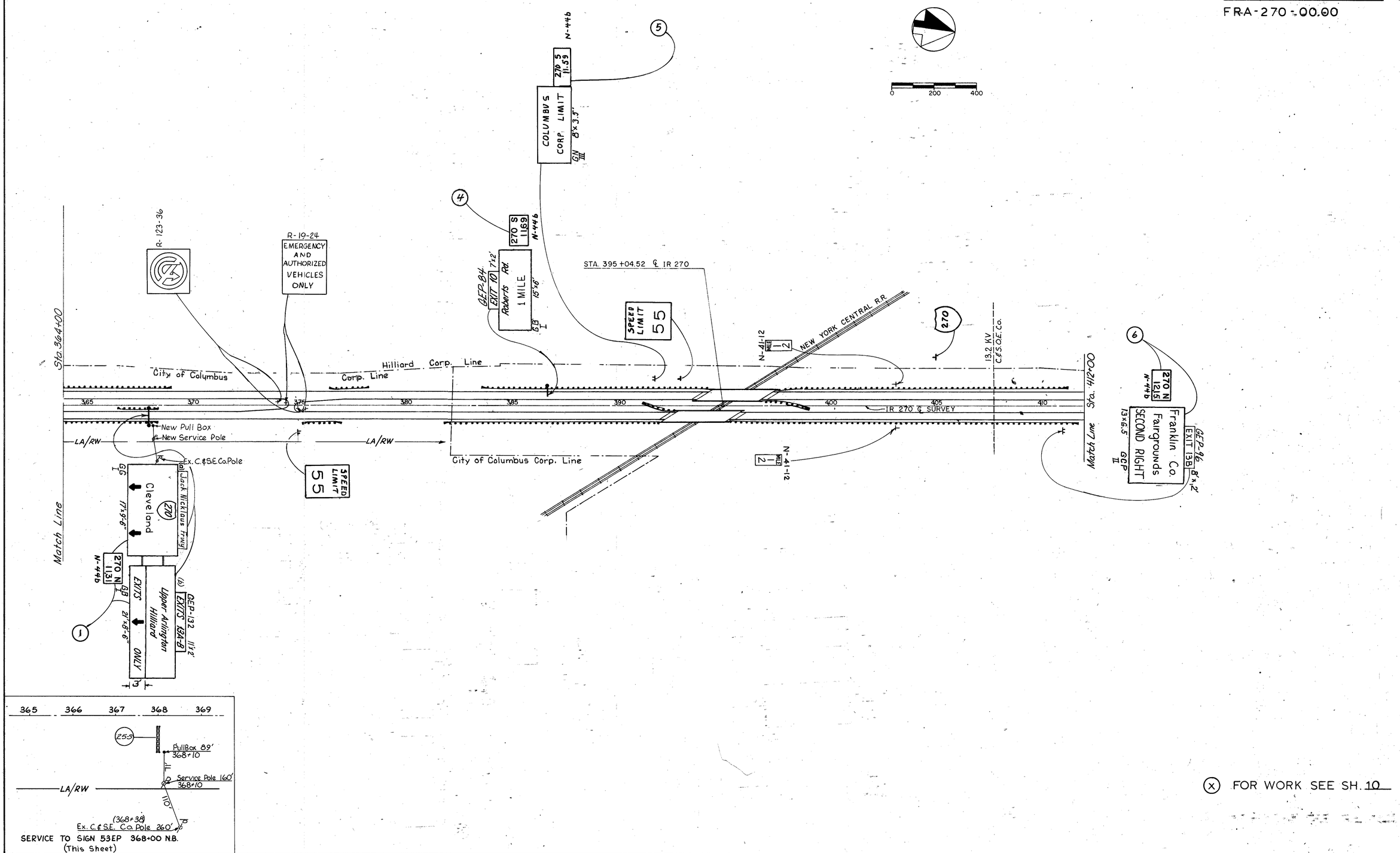
IR-270 Sta 300+00 to Sta 364+00

MICROFILMED
DEC 17 1985

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

45
94

FRA-270-00.00



(X) FOR WORK SEE SH. 10

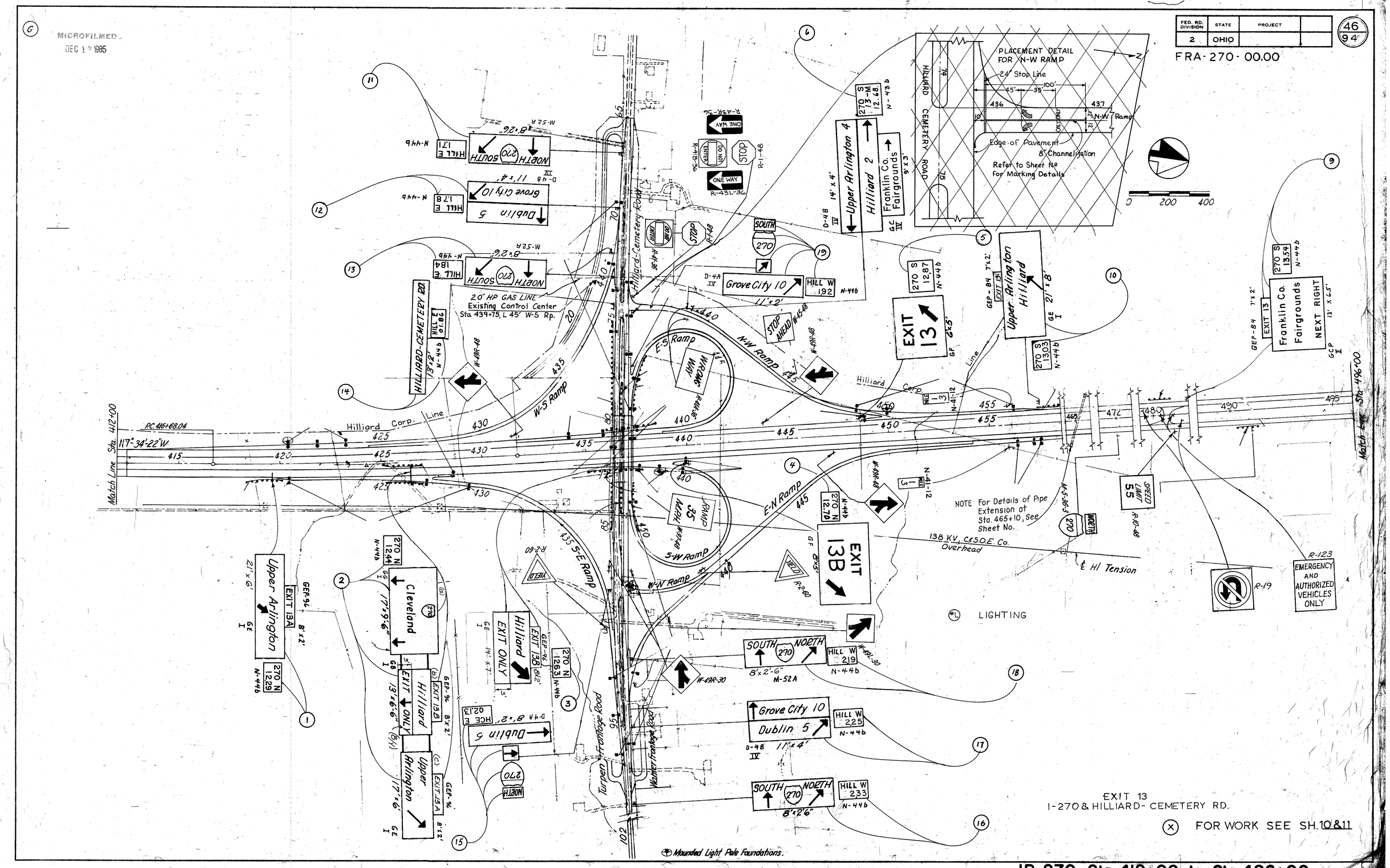
IR-270 Sta 364+00 to Sta 412+00

MICROFILMED
DEC 17 1985

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

46/94

FRA-270-00.00



EXIT 13
I-270 & HILLIARD-CEMETERY RD.

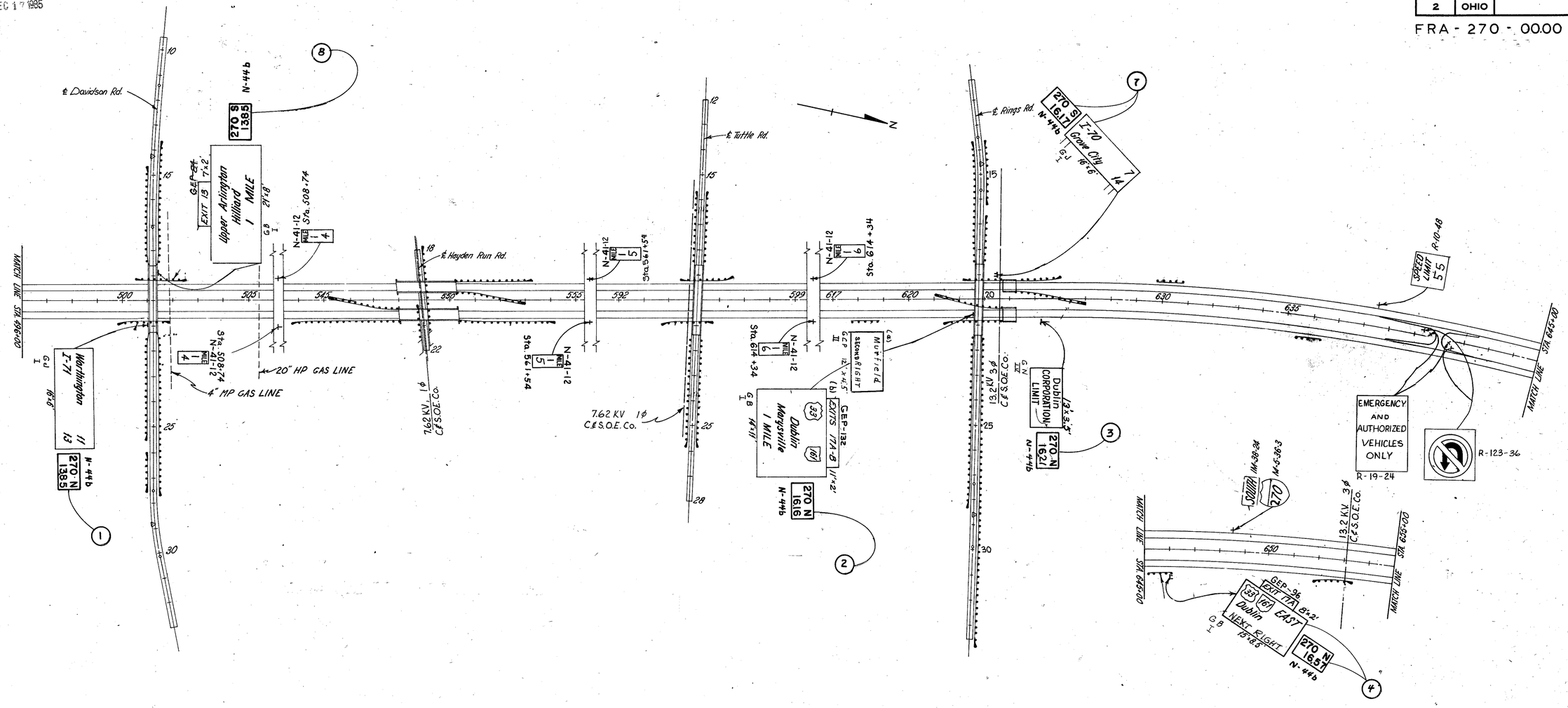
(X) FOR WORK SEE SH. 10 & 11

IR-270 Sta 412+00 to Sta 496+00

MICROFILMED
DEC 17 1985

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

FRA - 270 - 00.00



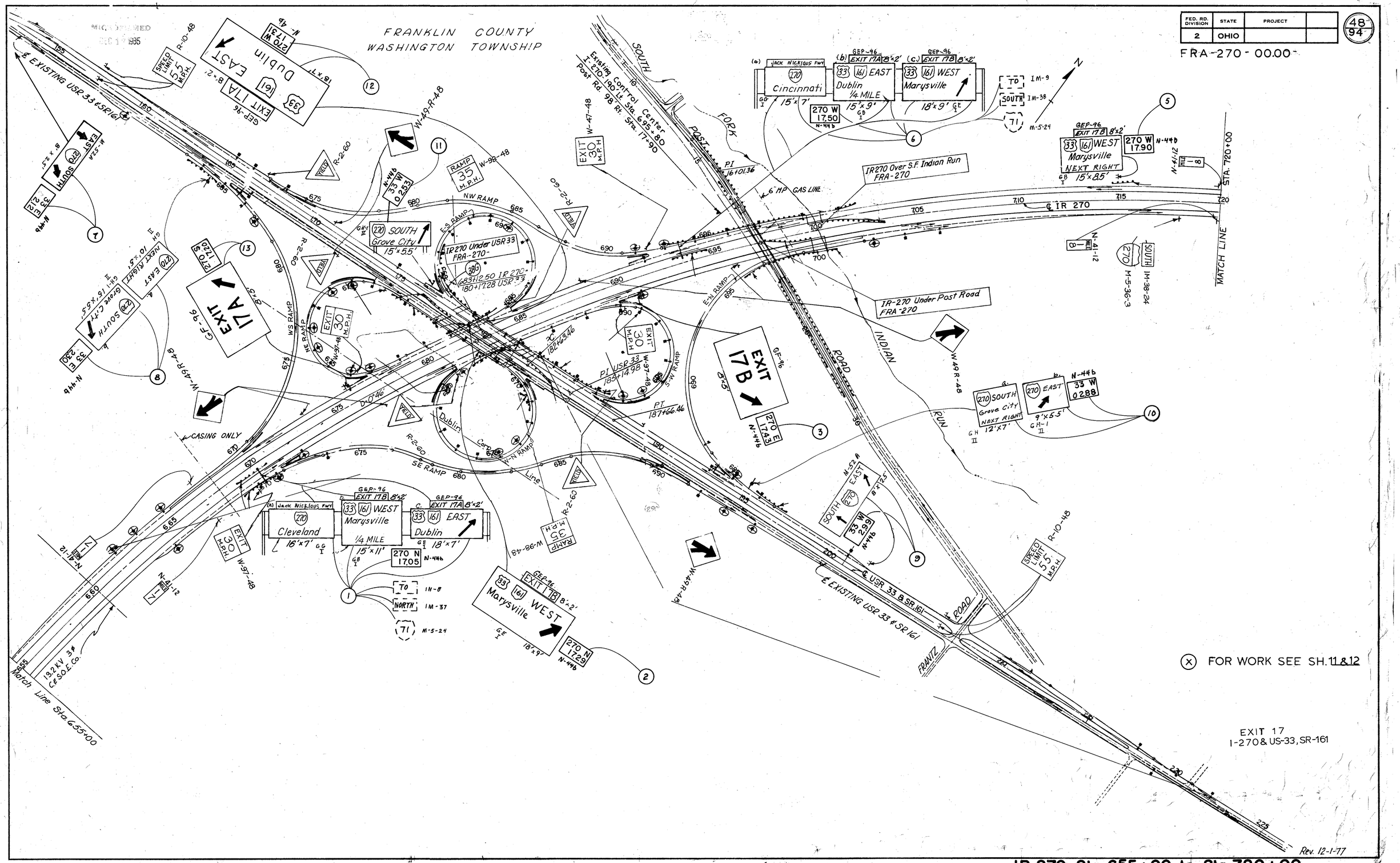
(X) FOR WORK SEE SH. 11

IR-270 Sta 496+00 to Sta 655+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

48/94

FRA-270-00.00

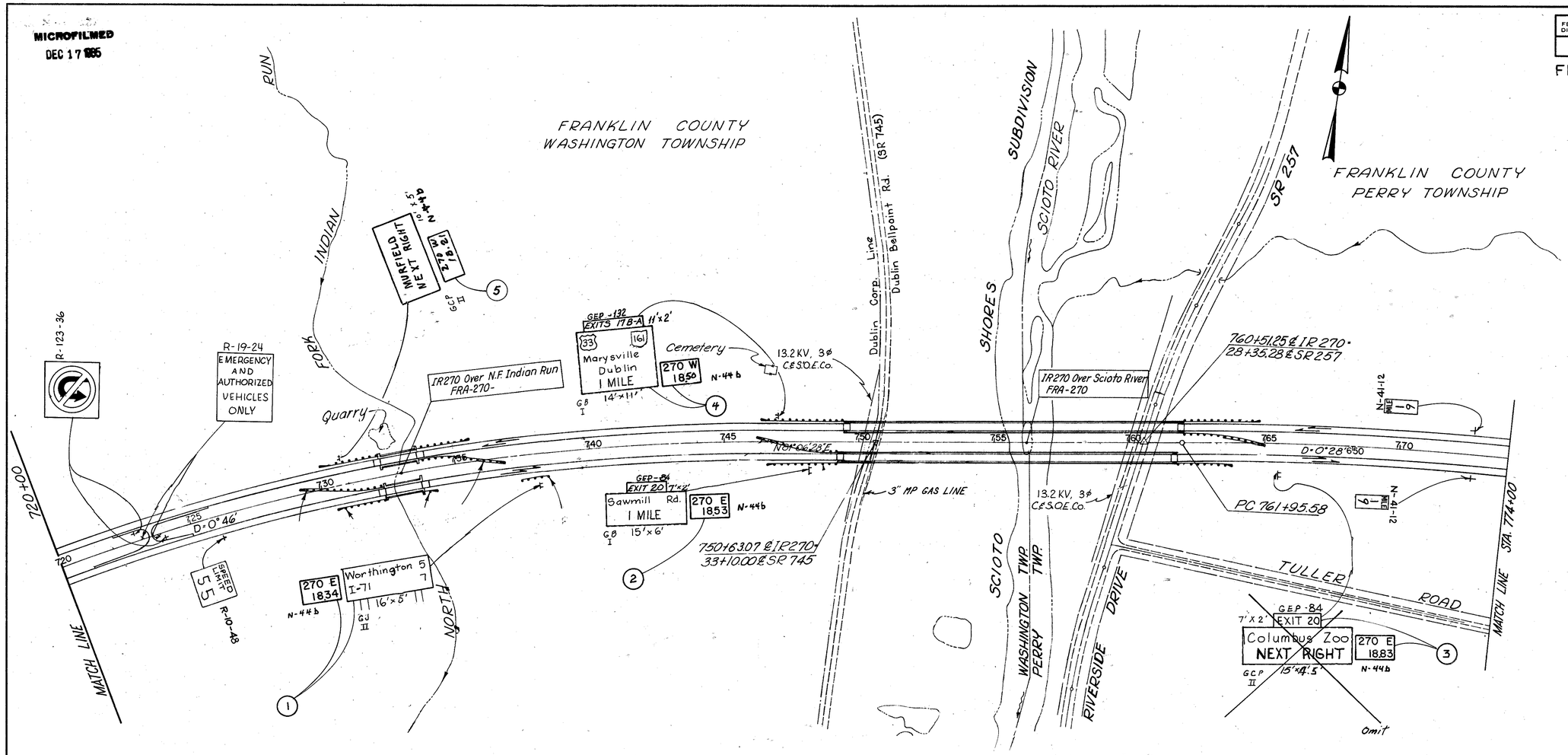


IR-270 Sta 655+00 to Sta 720+00

MICROFILMED
DEC 17 1985

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	I-270	

FRA-270-- 00.00



(X) FOR WORK SEE SH. 12

Rev. 12-1-77

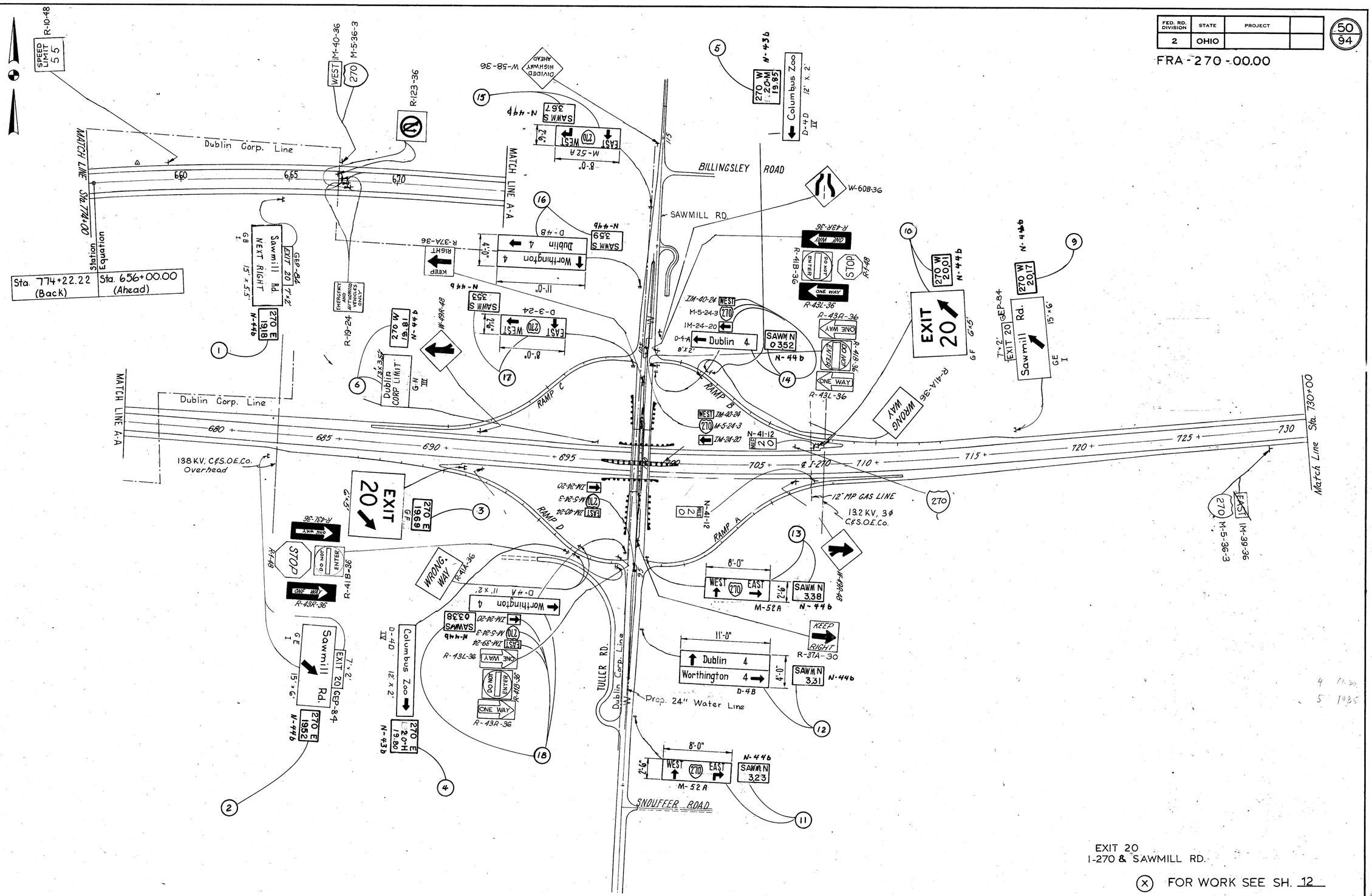
IR-270 Sta 720+00 to Sta 774+00

MICROFILMED
DEC 17 1985

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

50
94

FRA-270-00.00



EXIT 20
I-270 & SAWMILL RD.

(X) FOR WORK SEE SH. 12

4 1985
5 1985

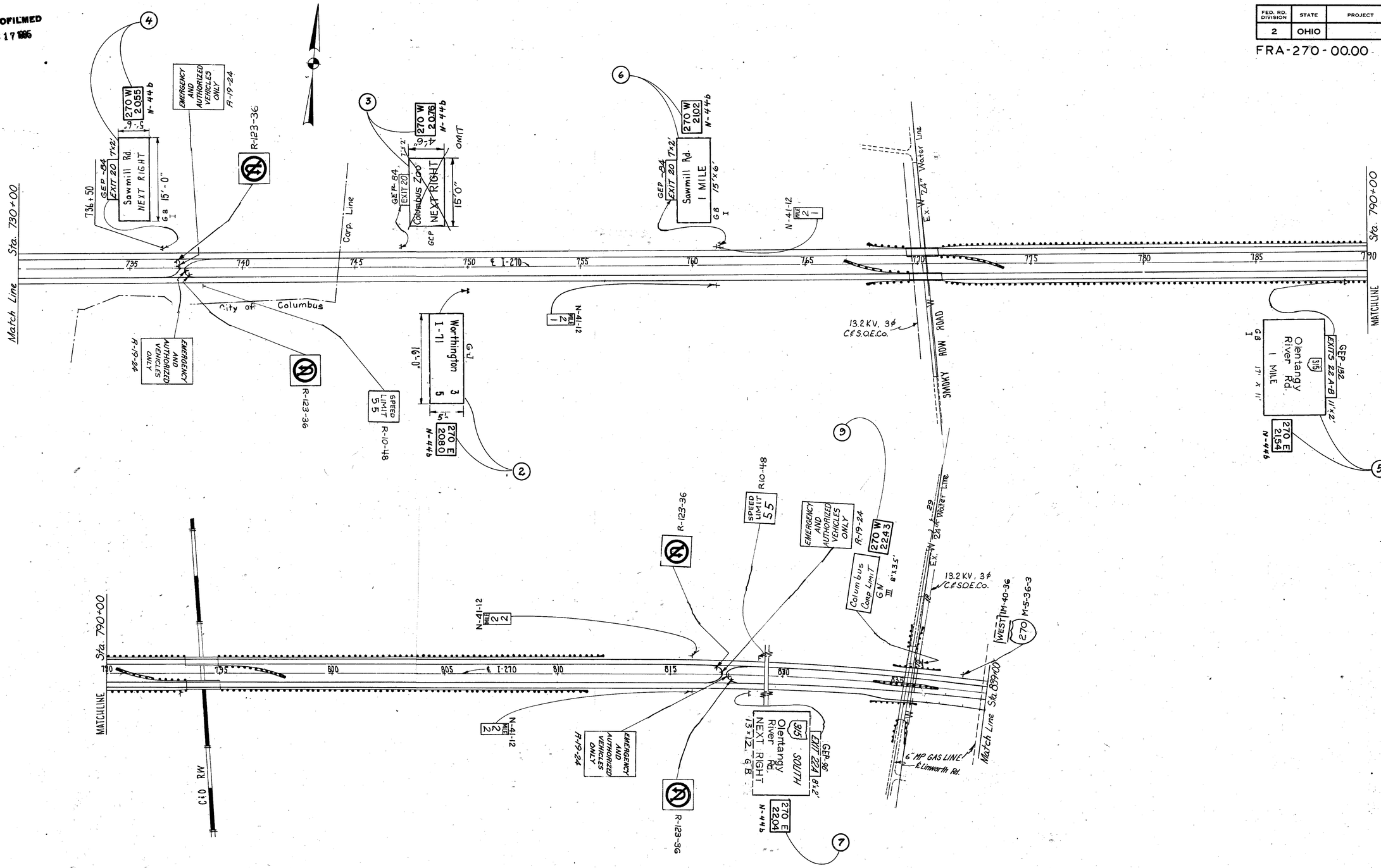
IR-270 Sta 774+00 to Sta 730+00

MICROFILMED
DEC 17 1985

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

FRA-270-00.00

51/94



(X) FOR WORK SEE SH. 13

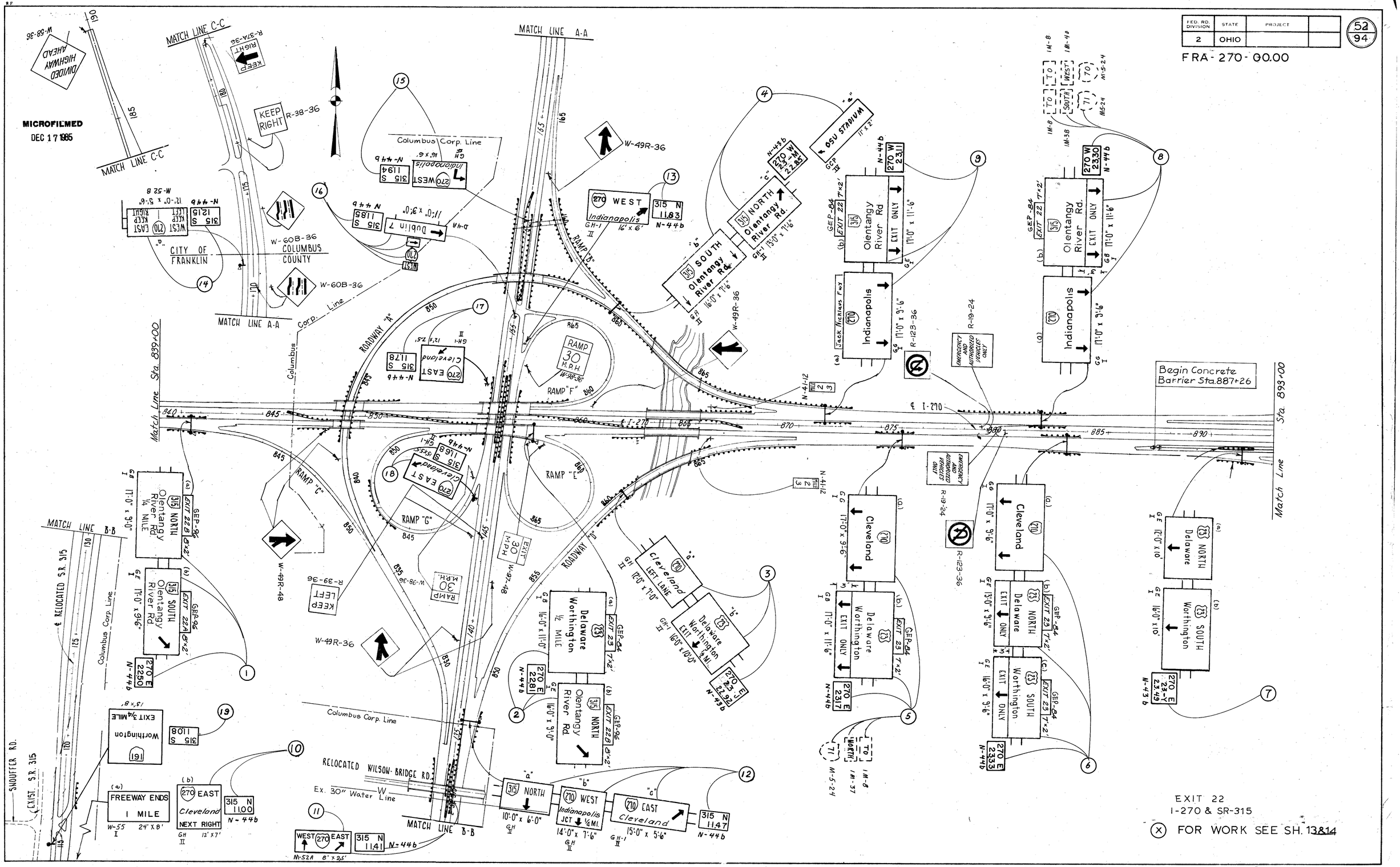
IR-270 Sta 730+00 to Sta 839+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

FRA-270-00.00

52/94

MICROFILMED
DEC 17 1985



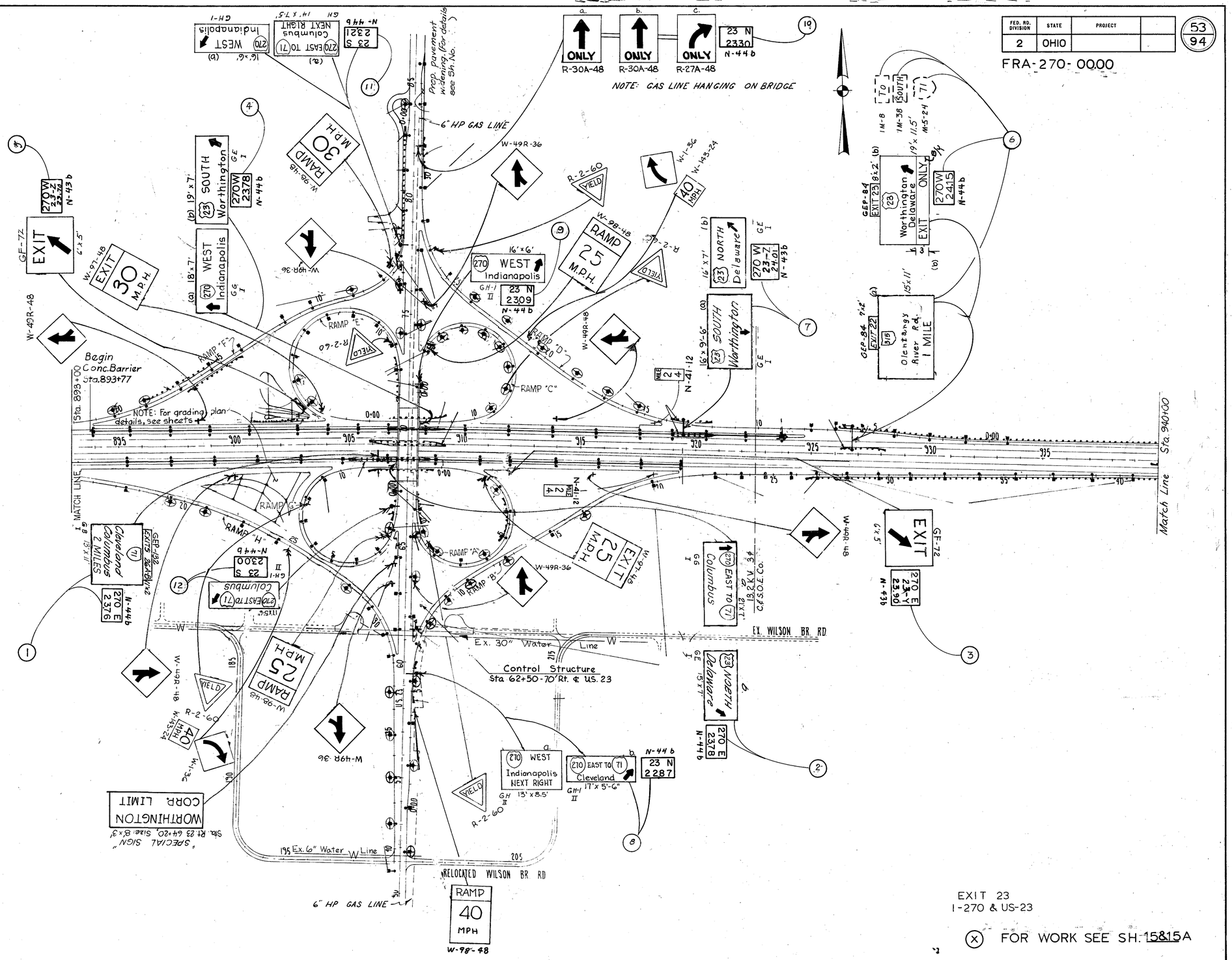
IR-270 Sta 839+00 to Sta 893+00

MICROFILMED
DEC 17 1985

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

53
94

FRA-270- 00.00



EXIT 23
I-270 & US-23

(X) FOR WORK SEE SH. 15&15A

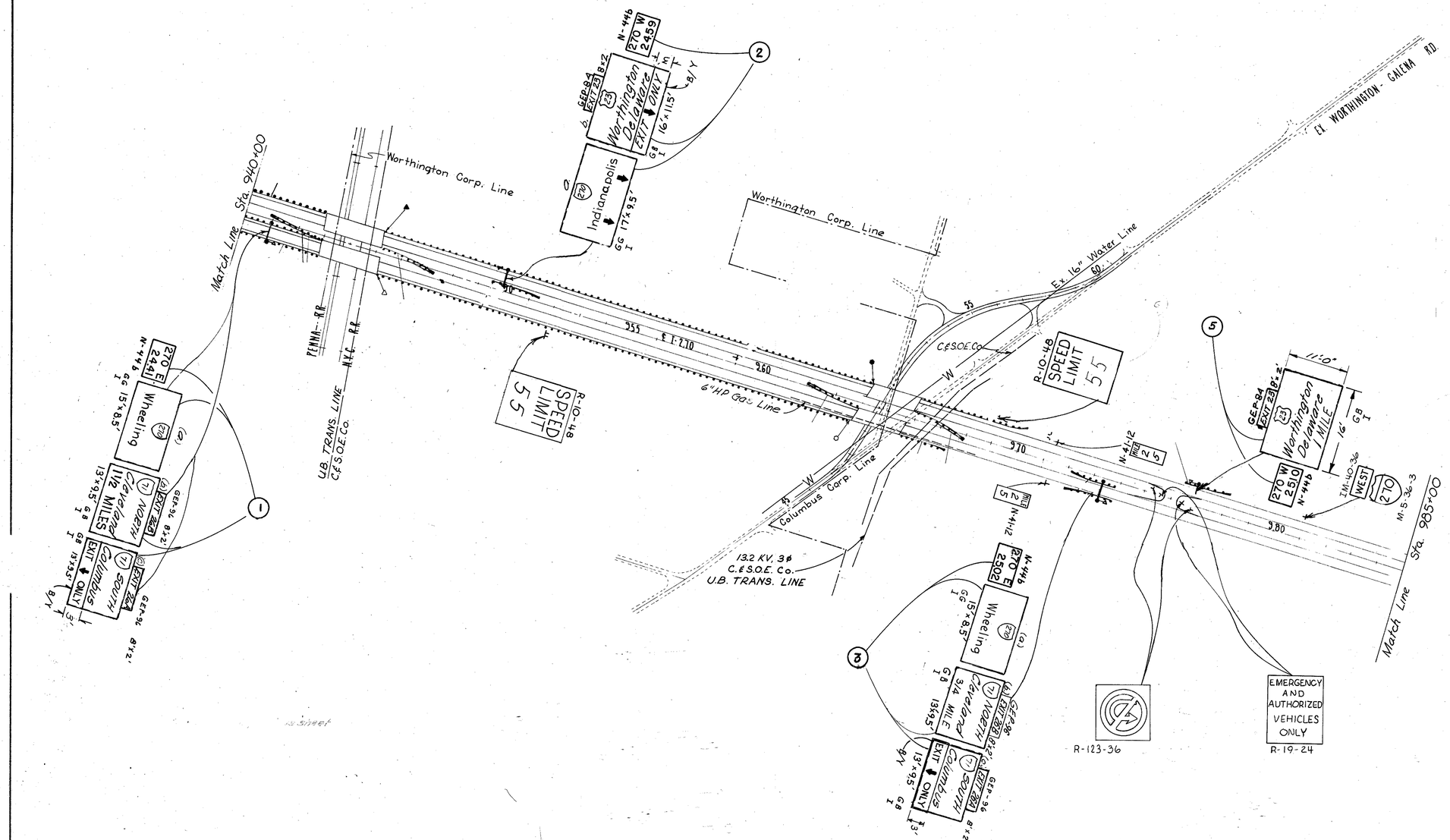
IR-270 Sta. 893+00 to Sta 940+00

MICROFILMED
DEC 17 1985

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

54
94

FRA-270-00.00



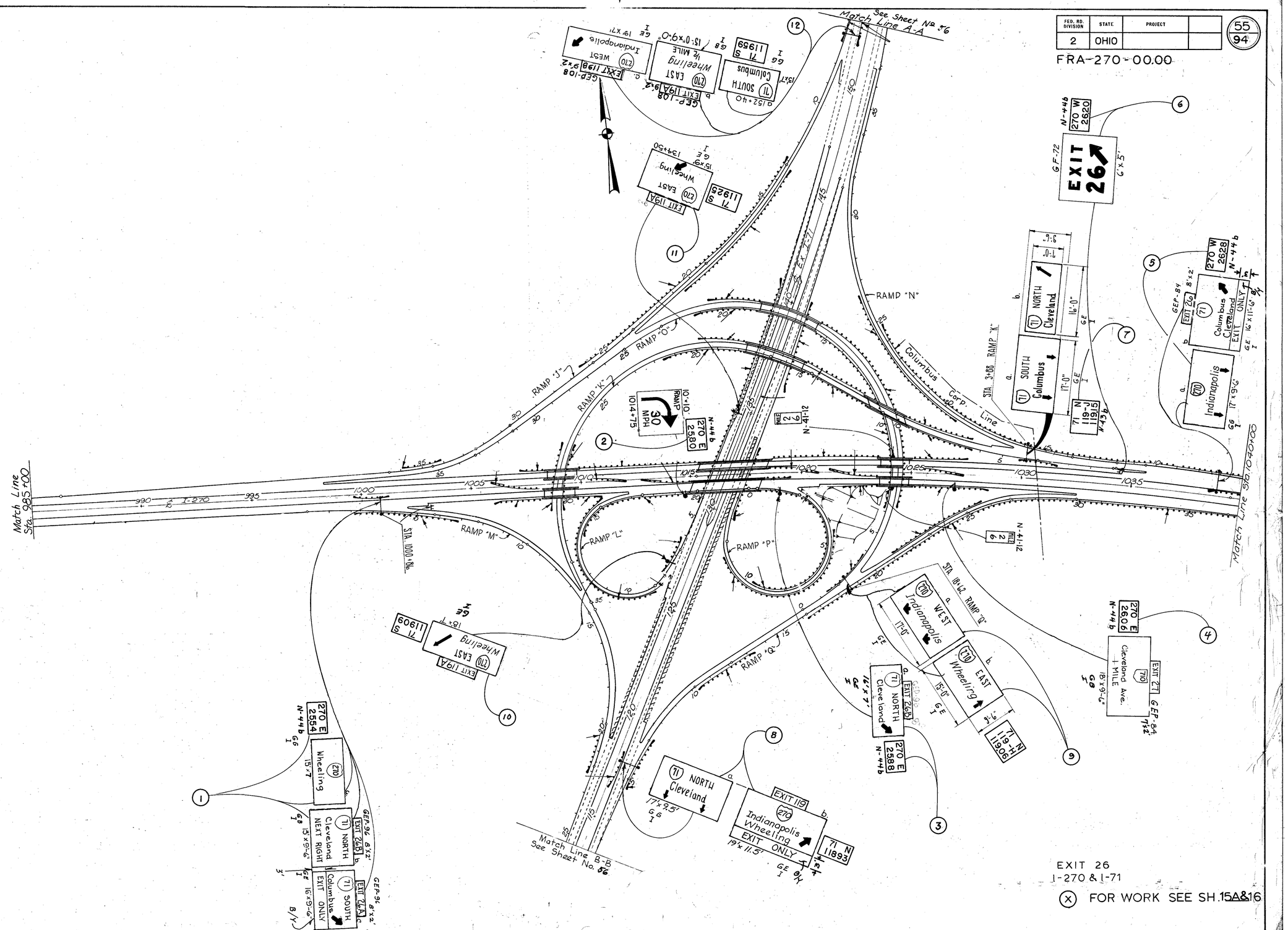
IR-270 Sta 940+00 to Sta 985+00

MICROFILMED
DEC 17 1985

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

55
94

FRA-270-00.00



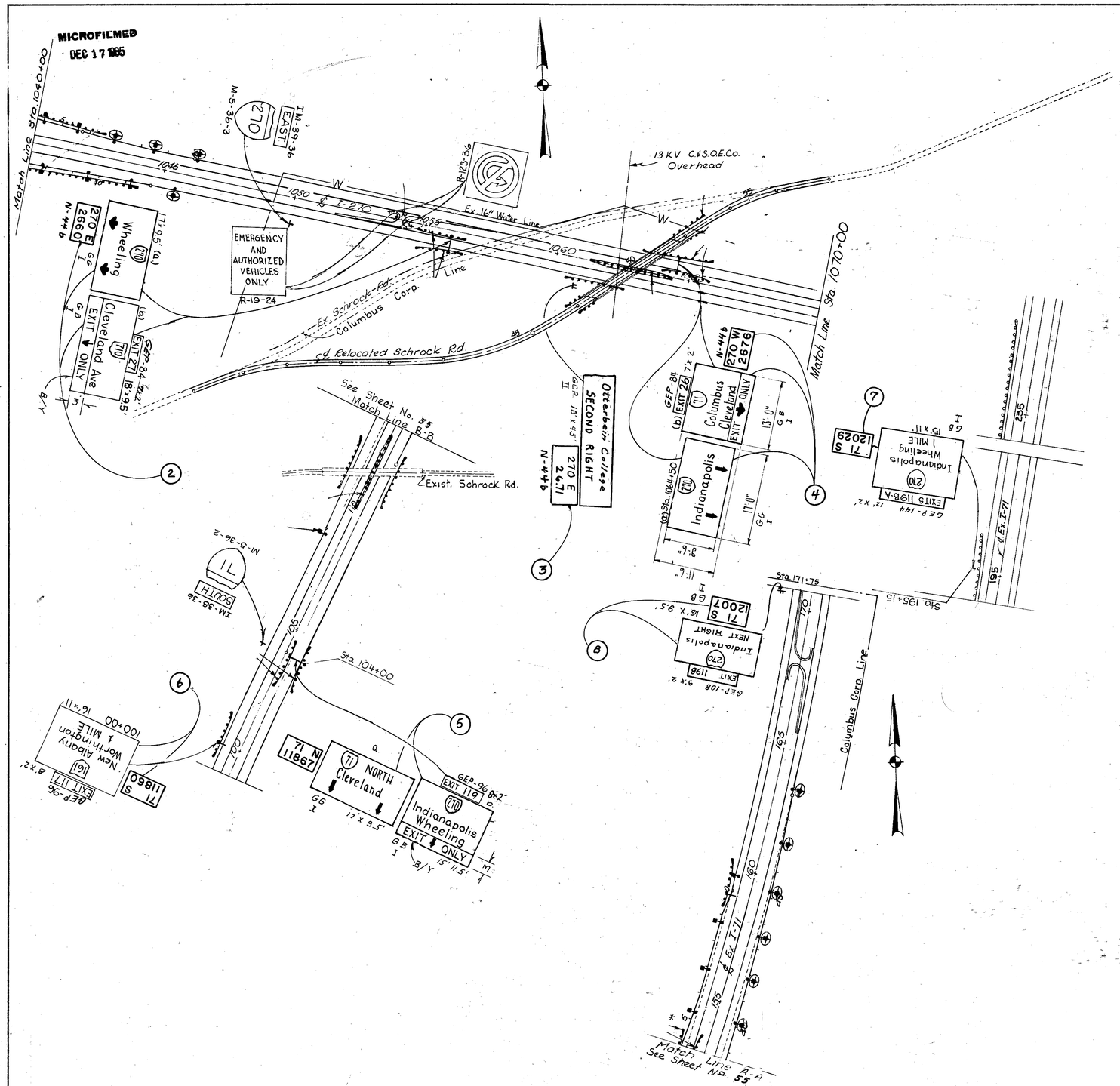
IR-270 Sta 985+00 to Sta 1040+00

MICROFILMED
DEC 17 1985

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

56/94

FRA-270-00.00



(X) FOR WORK SEE SH. 16&17

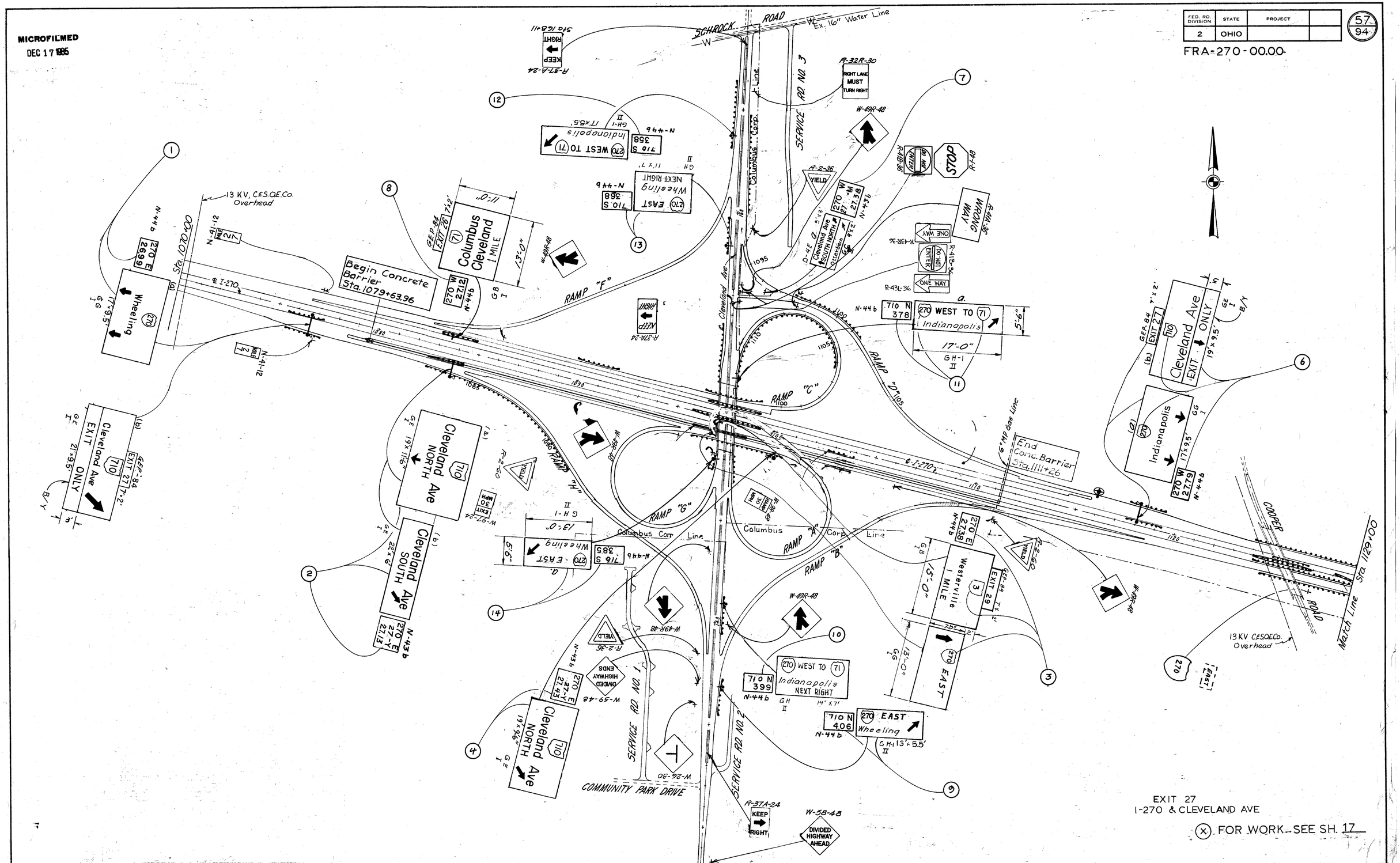
IR-270 Sta 1040+00 to Sta 1070+00

MICROFILMED
DEC 17 1985

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

57
94

FRA-270-00.00



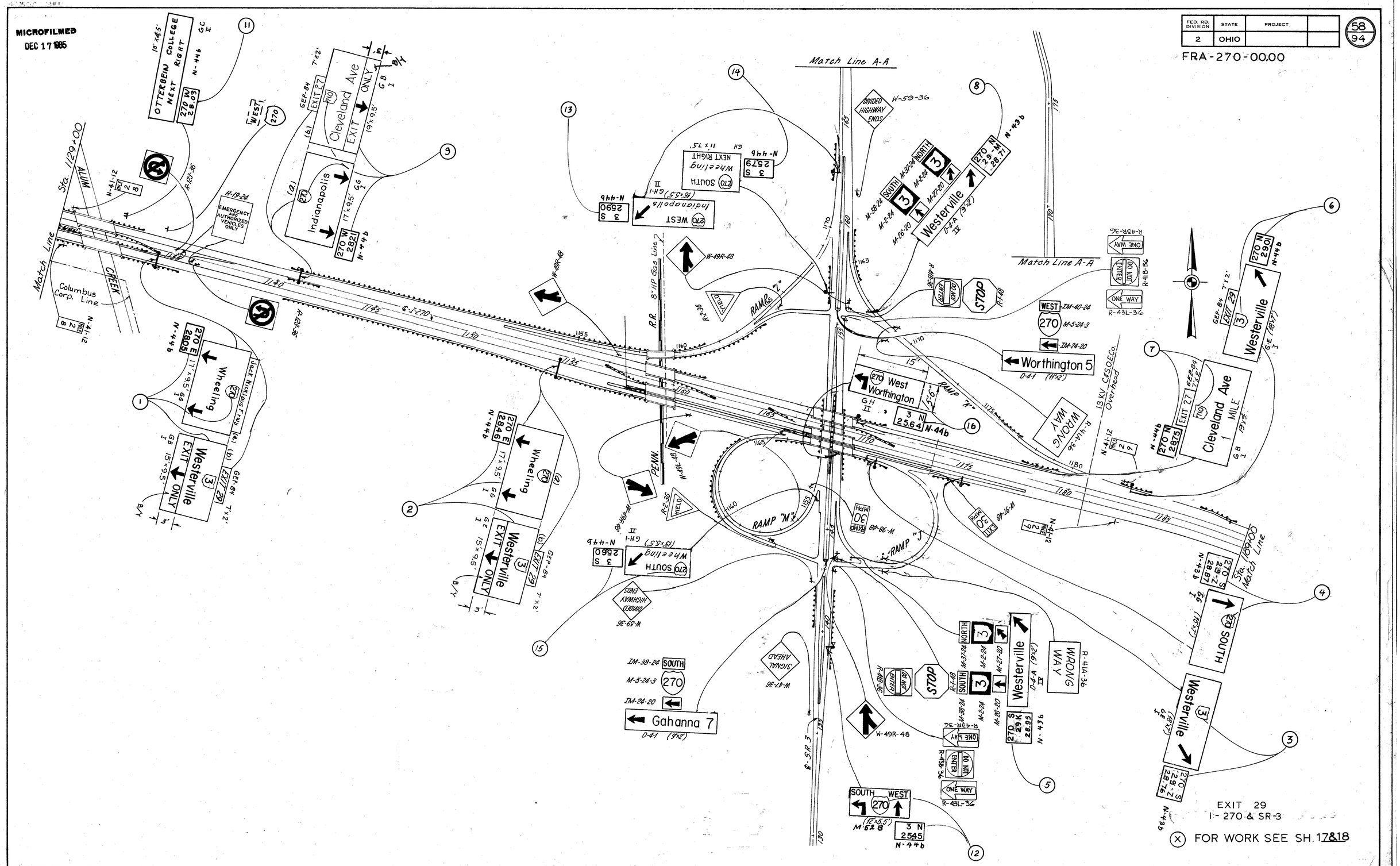
IR-270 Sta 1070+00 to Sta 1129+00

MICROFILMED
DEC 17 1985

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

58
94

FRA-270-00.00



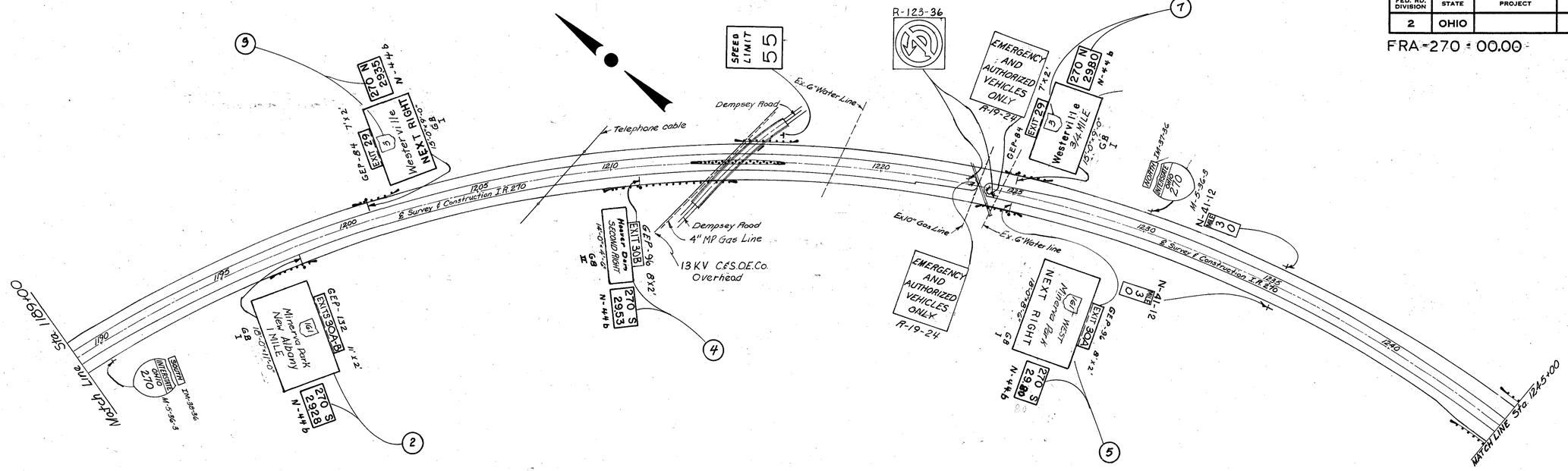
IR-270 Sta 1129+00 to Sta 1189+00

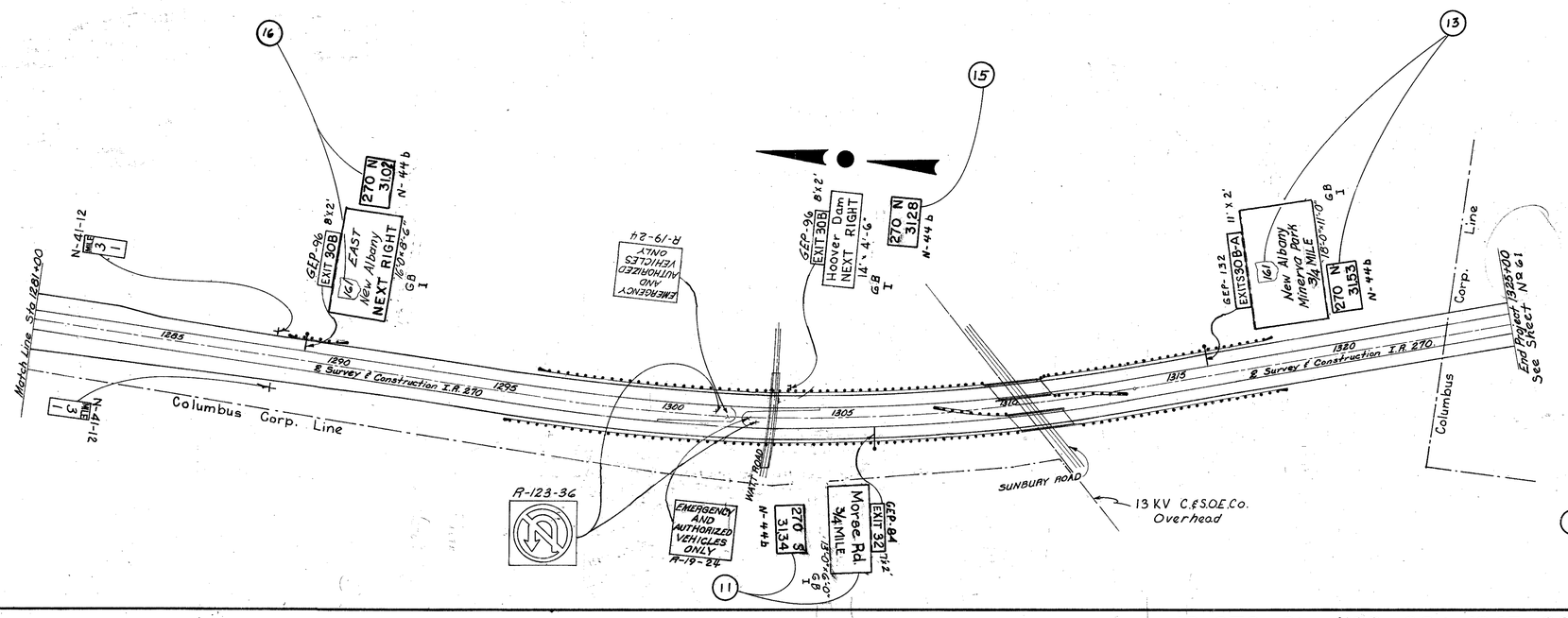
MICROFILMED
DEC 17 1985

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

59
94

FRA-270-00.00





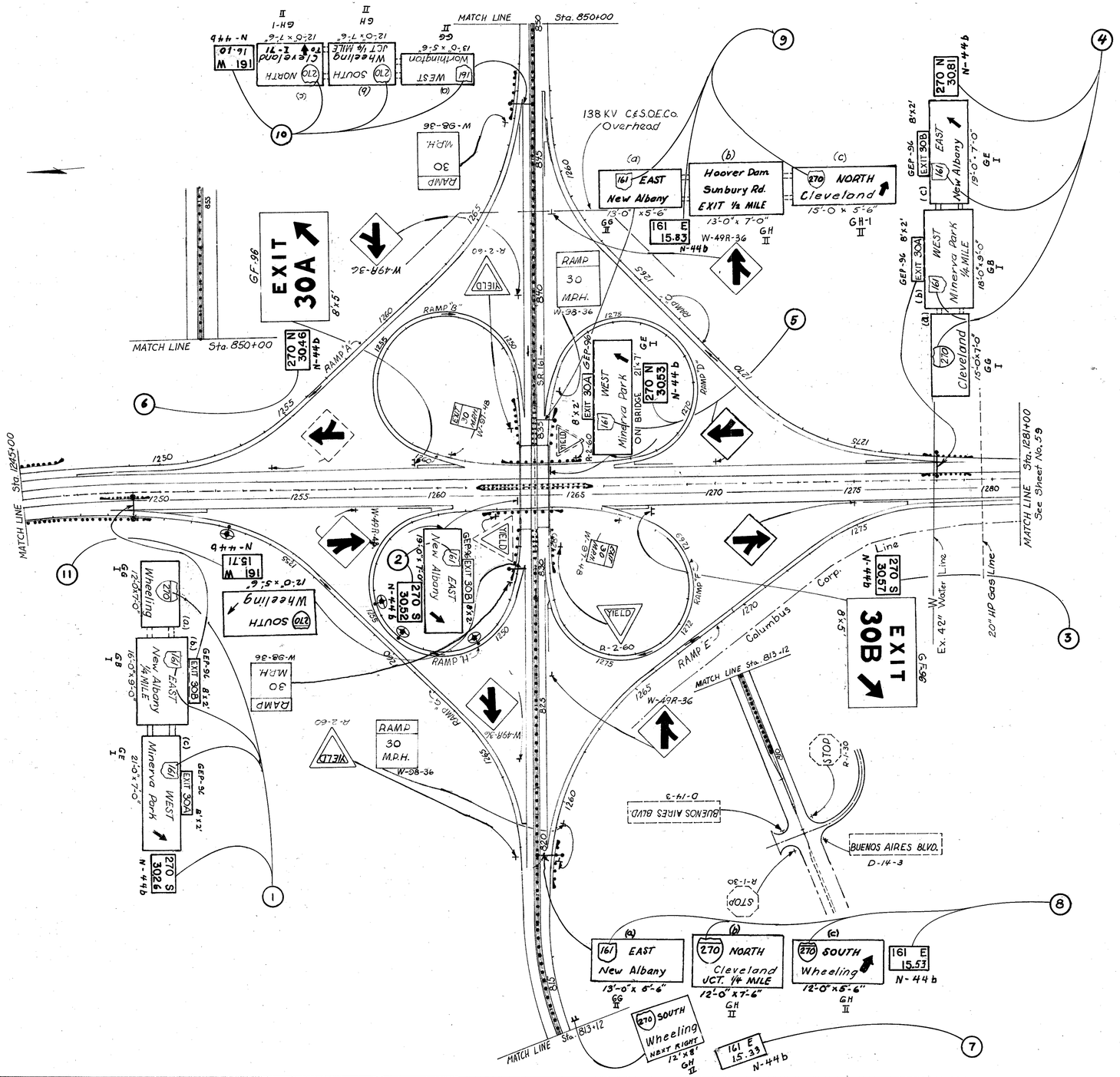
(X) FOR WORK SEE SH. 18

IR-270 Sta 1189+00 to 1245+00 & Sta 1281+00 to 1325+00

MICROFILMED
DEC 17 1985

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

FRA-270-00.00



(X) FOR WORK SEE SH. 19

EXIT 30
I-270 & SR-161

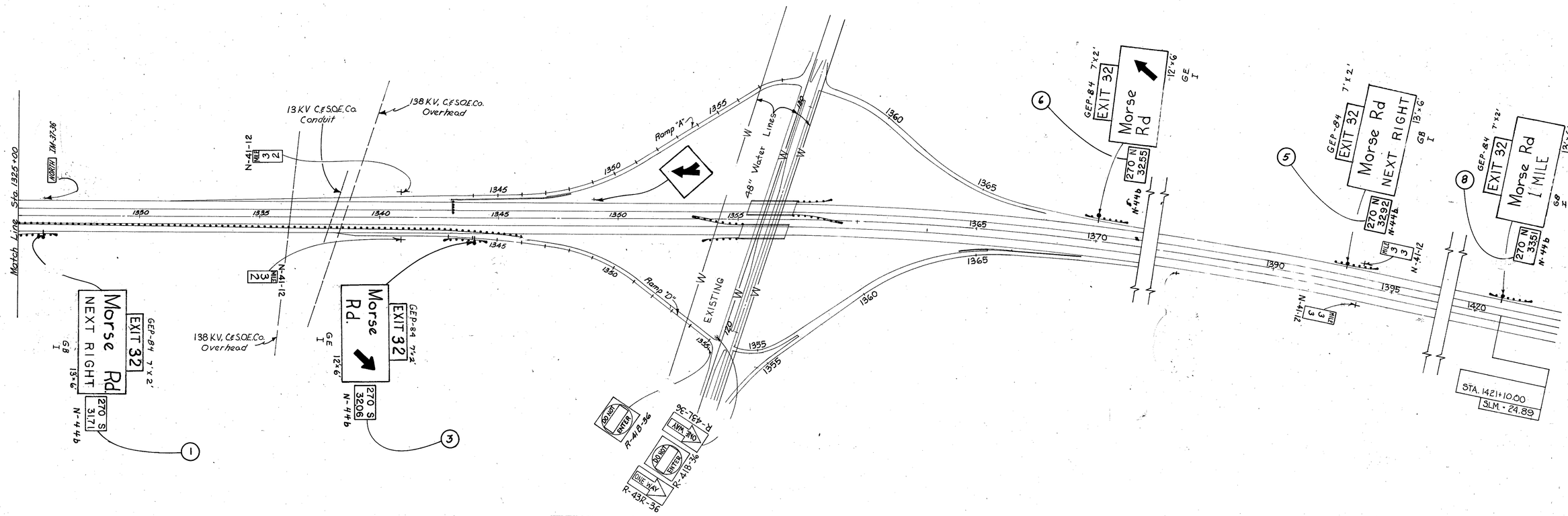
IR-270 Sta 1245+00 to 1281+00

MICROFILMED
DEC 17 1985

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

61
94

FRA-270-00.00



EXIT 32

I-270 & Morse Rd.

(X) FOR WORK SEE SH. 20

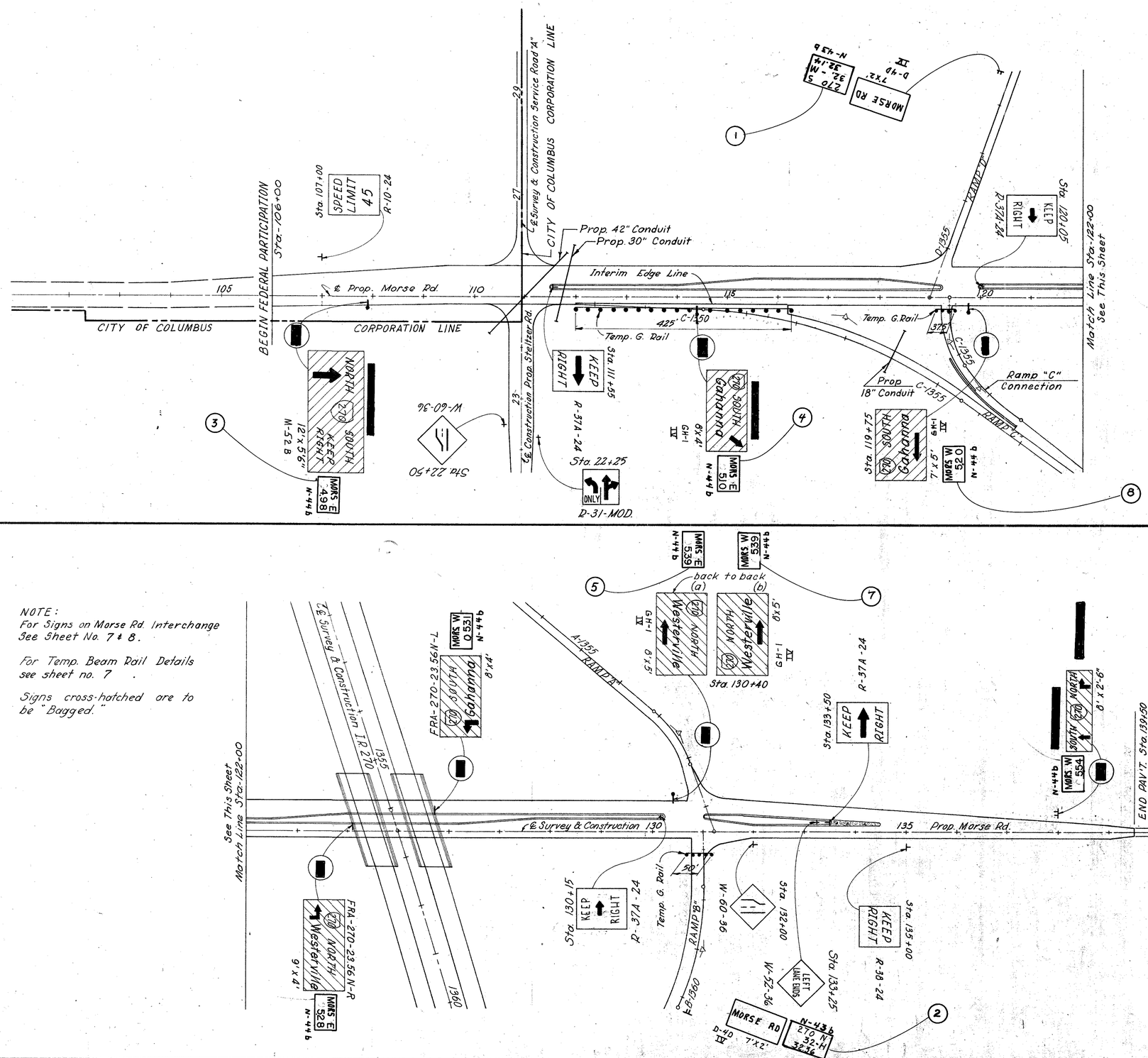
IR-270 Sta 1325+00 - Sta 1421+10

MICROFILMED
DEC 17 1985

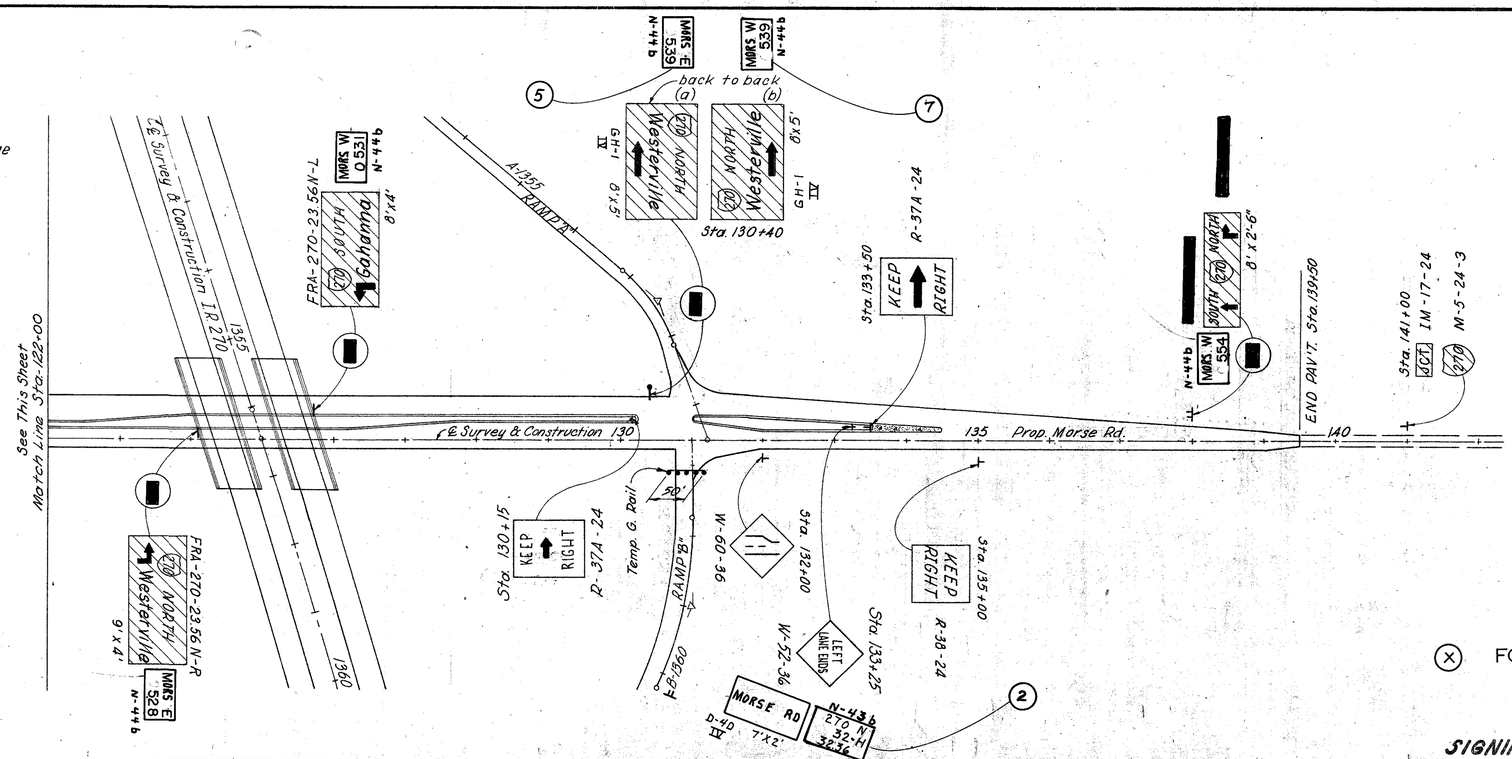
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

62
94

FRANKLIN COUNTY
FRA-270-0000



NOTE:
For Signs on Morse Rd. Interchange
See Sheet No. 7 & 8.



NOTE:
For Signs on Morse Rd. Interchange
See Sheet No. 7 & 8.

For Temp. Beam Rail Details
see sheet no. 7 .

Signs cross-hatched are to
be "Bagged."

(X) FOR WORK SEE SH. 20

SIGNING LAYOUT PLAN MORSE RD.

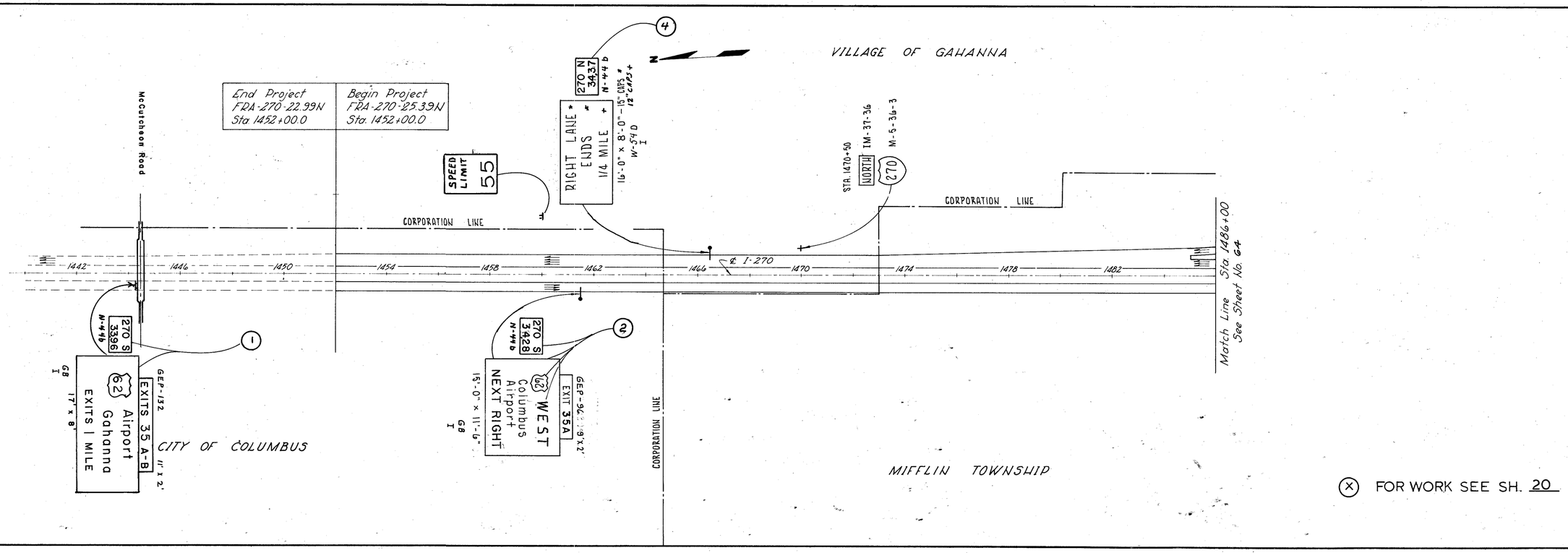
STA. 106+00 to STA. 141+00

MICROFILMED
DEC 17 1985

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

63
94

FRA-270-00.00



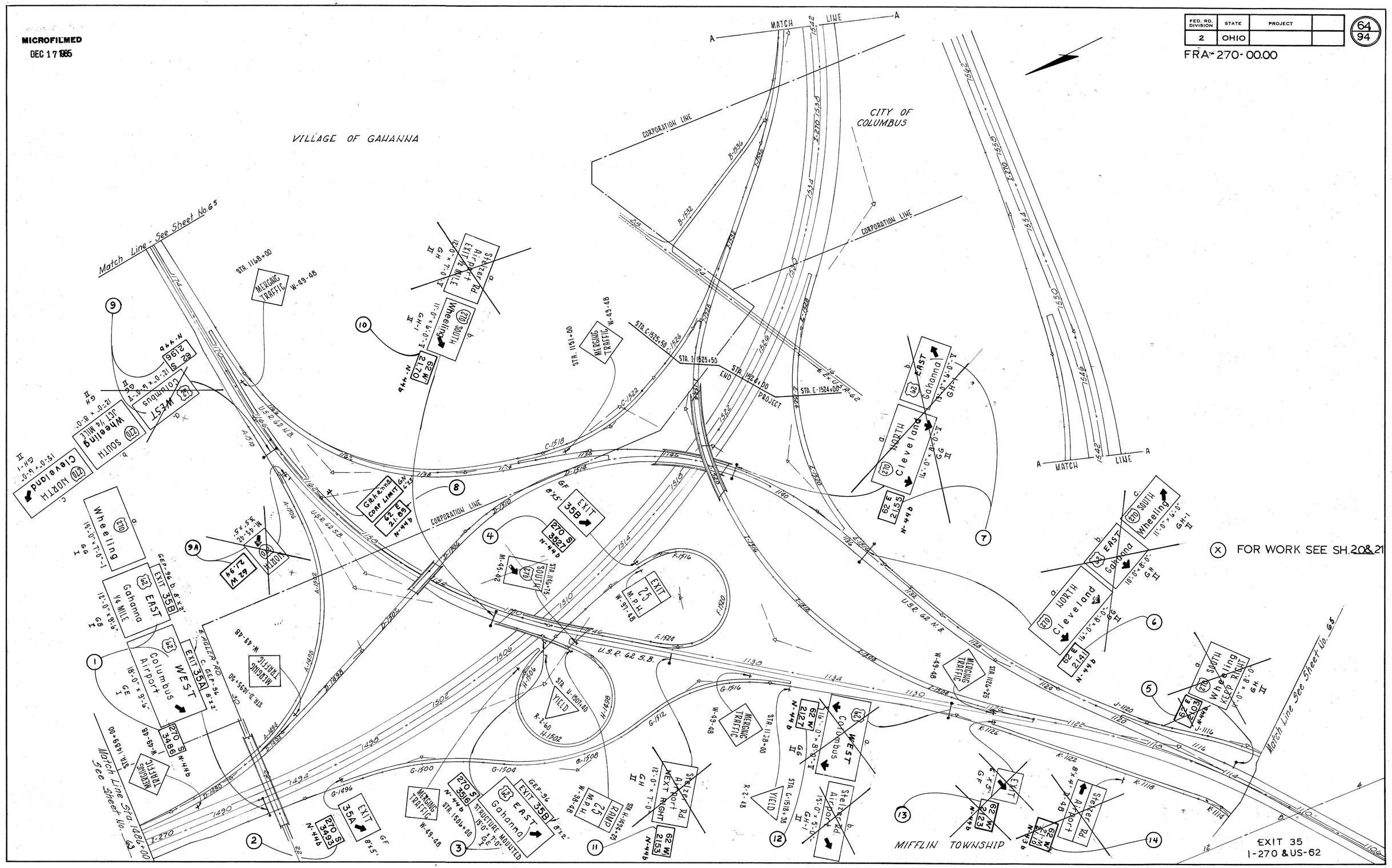
(X) FOR WORK SEE SH. 20

MICROFILMED
DEC 17 1985

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

64/94

FRA-270-00.00



MICROFILMED
DEC 17 1985

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

65/94

FRA-270-00.00

(X) FOR WORK SEE SH. 21

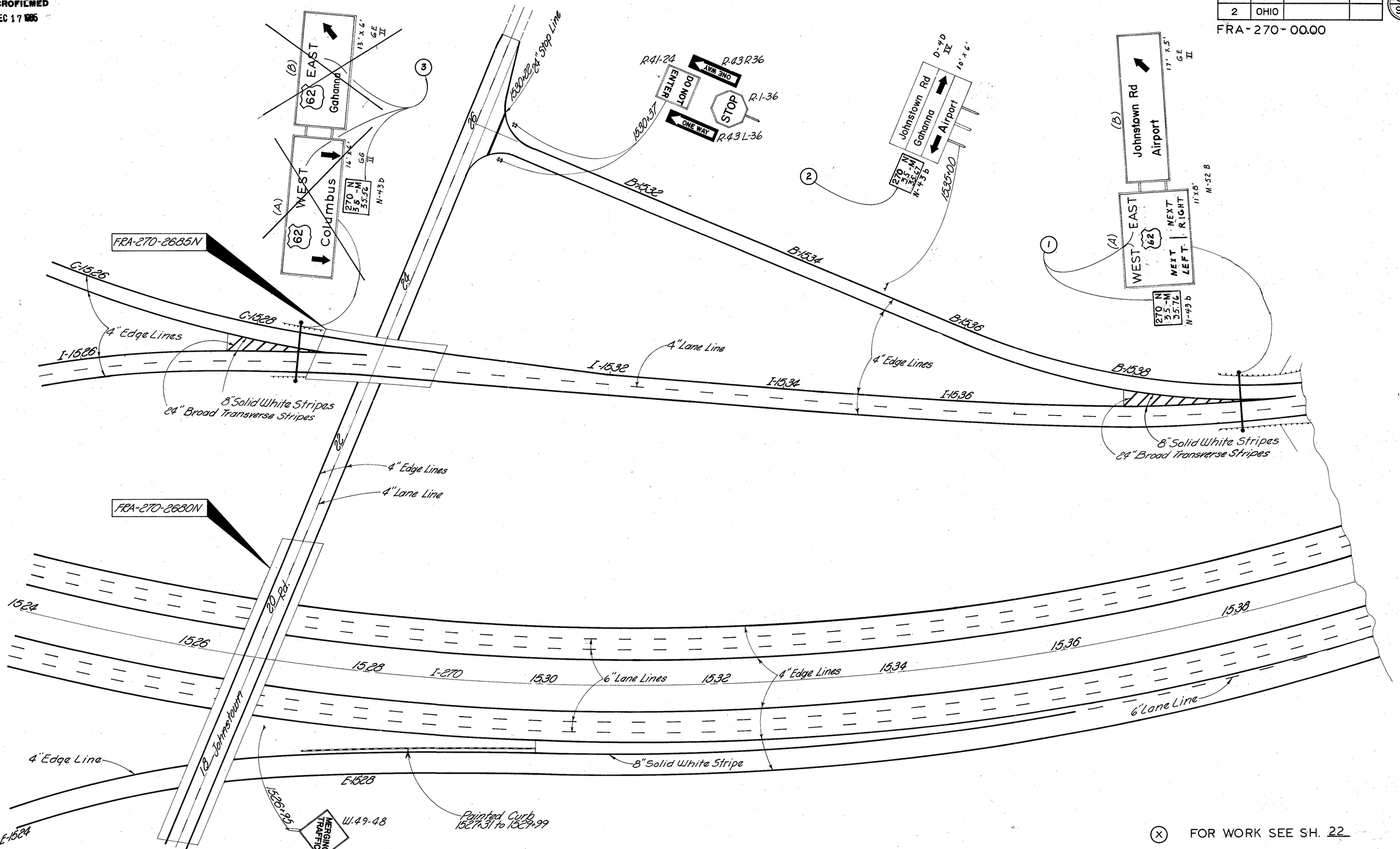
SIGN MESSAGES

BRUNING 44-560 10943

MICROFILMED
DEC 17 1985

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

FRA-270-00.00



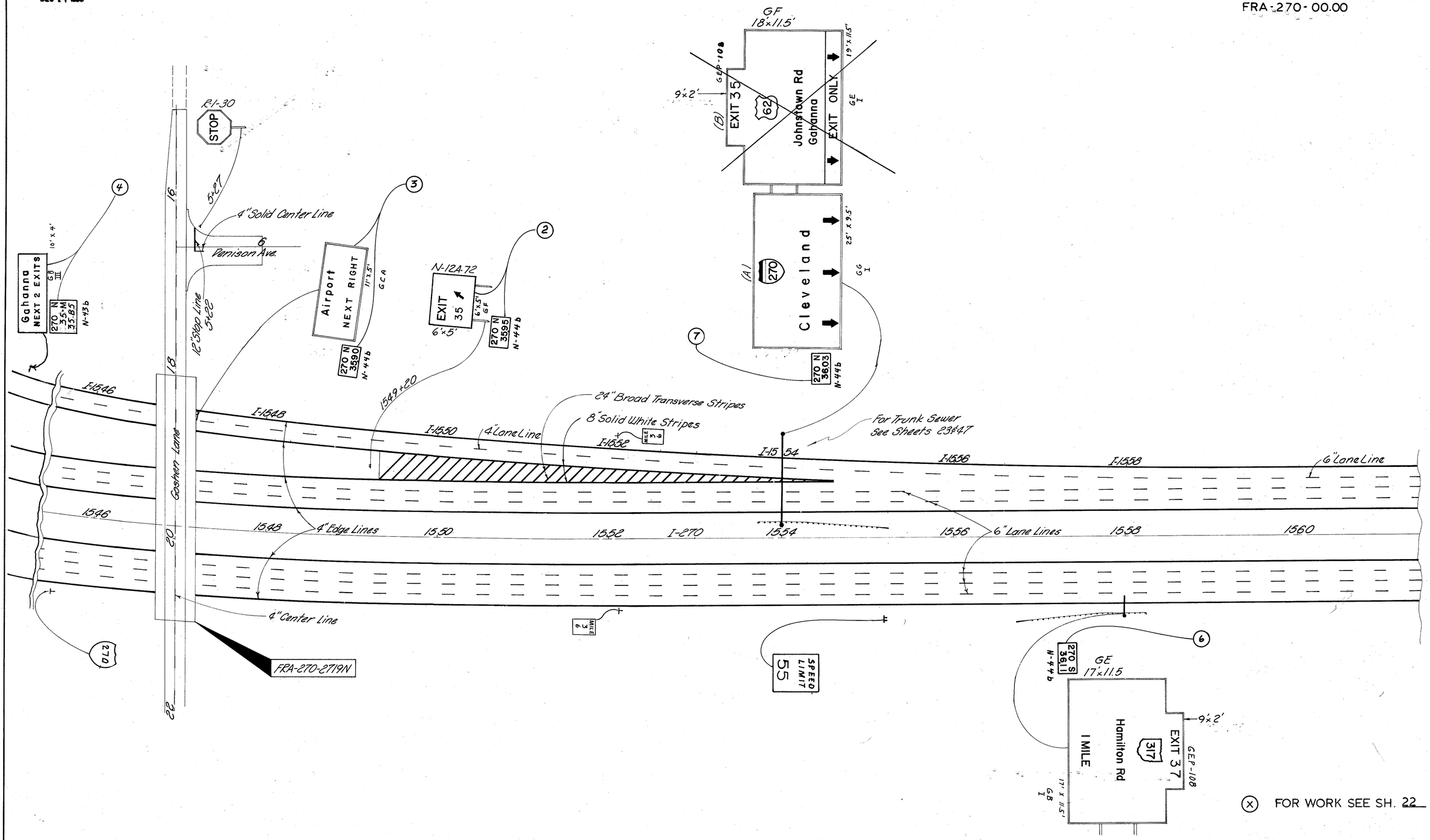
(X) FOR WORK SEE SH. 22

INTERCHANGE SIGNING PLAN

MICROFILMED
DEC 17 1985

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

FRA-270-00.00



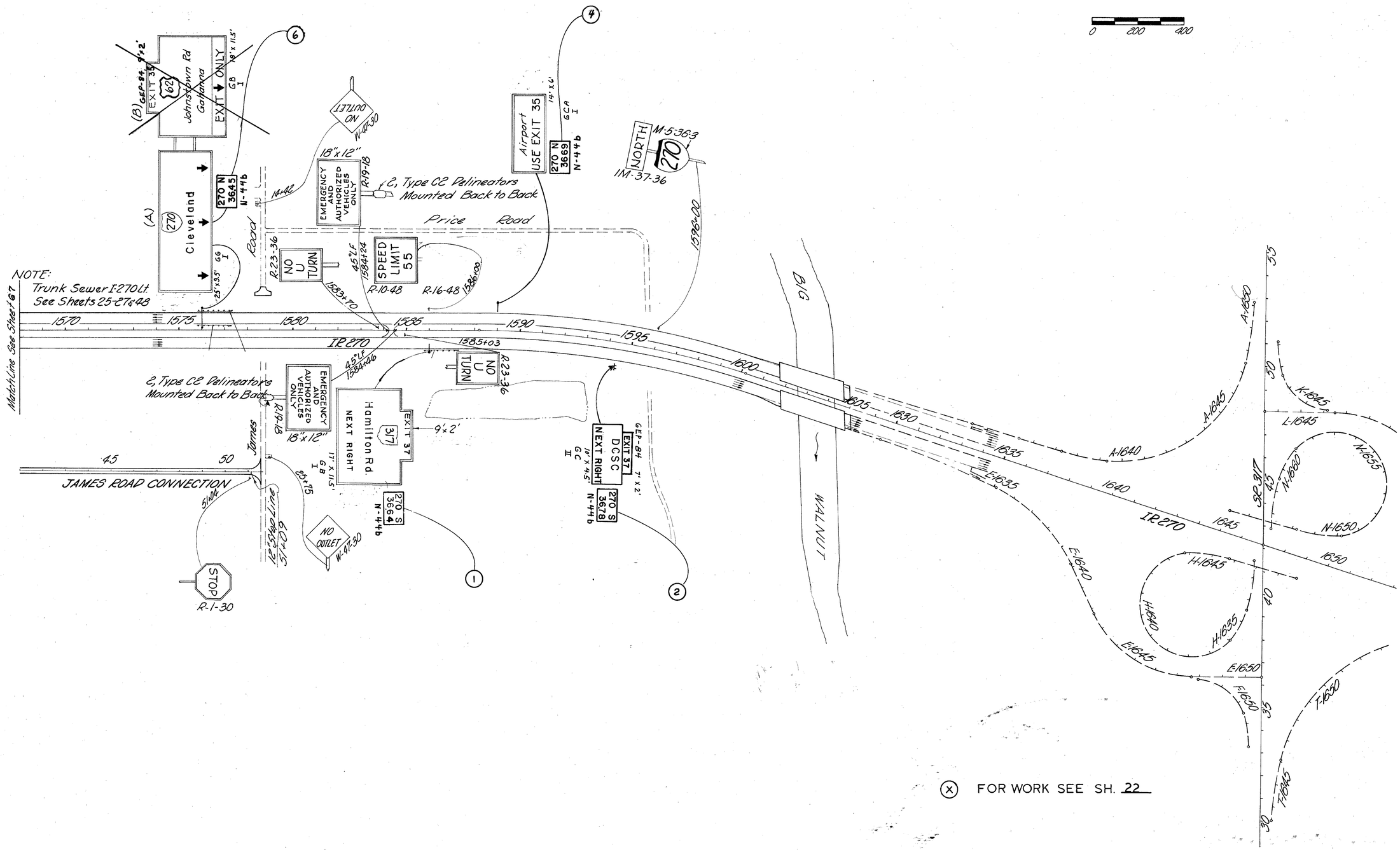
(X) FOR WORK SEE SH. 22

INTERCHANGE SIGNING PLAN

MICROFILMED
DEC 17 1985

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

FRA-270-00.00



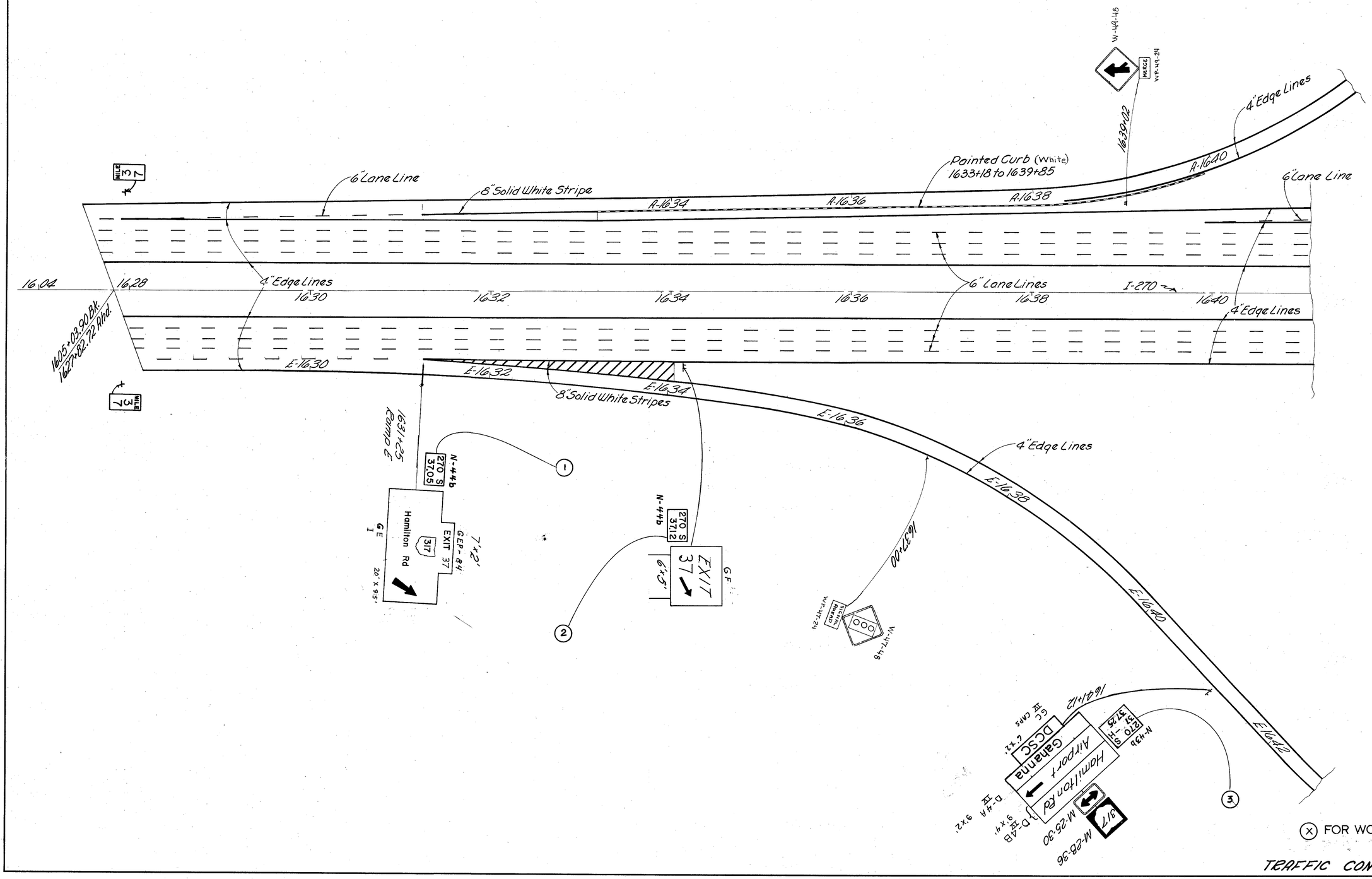
(X) FOR WORK SEE SH. 22

MICROFILMED
DEC 17 1985

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

69/94

FRA-270-00.00



(X) FOR WORK SEE SH. 22

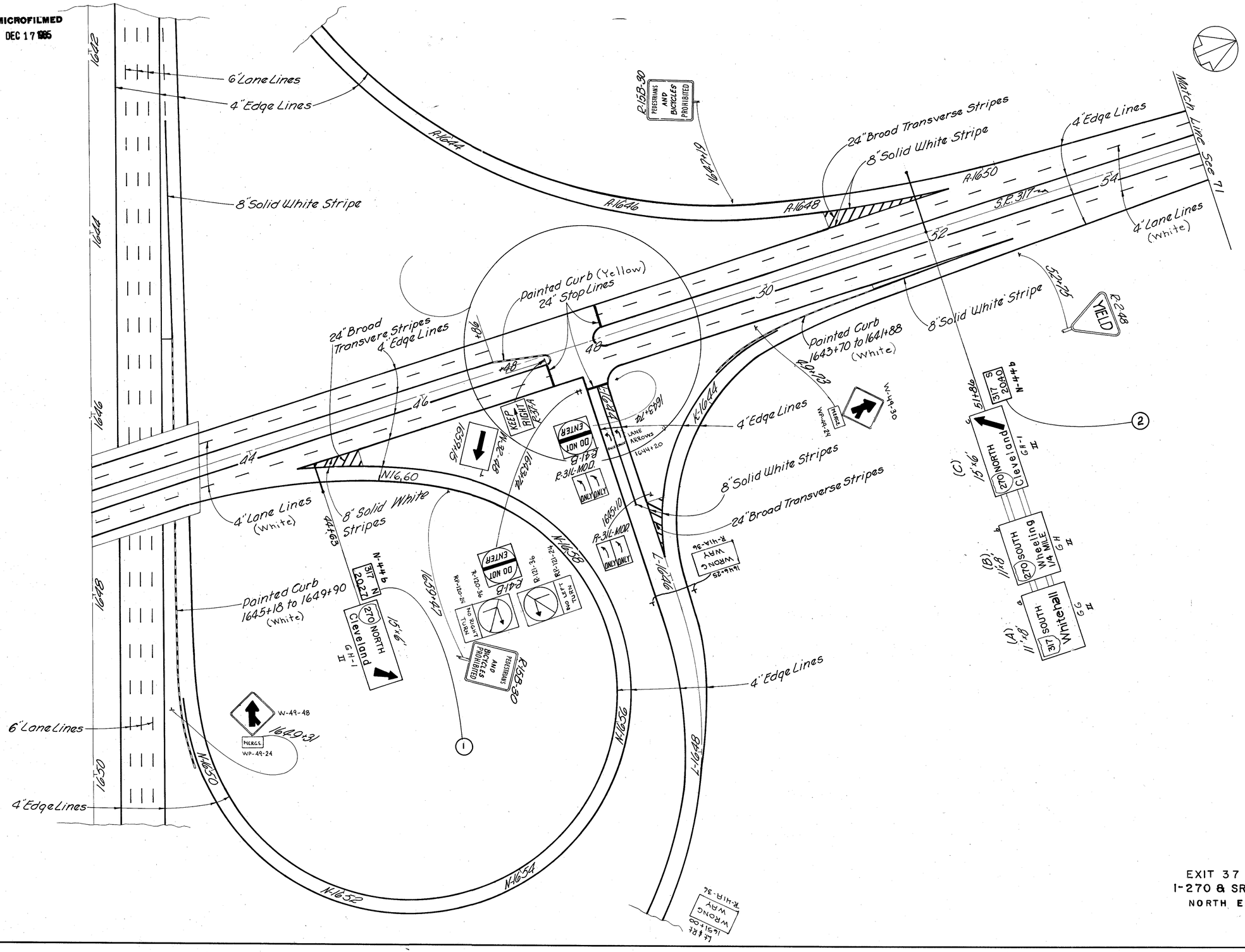
TRAFFIC CONTROL PLAN

MICROFILMED
DEC 17 1985

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

70
94

FRA-270-00.00



EXIT 37
I-270 & SR-317
NORTH END

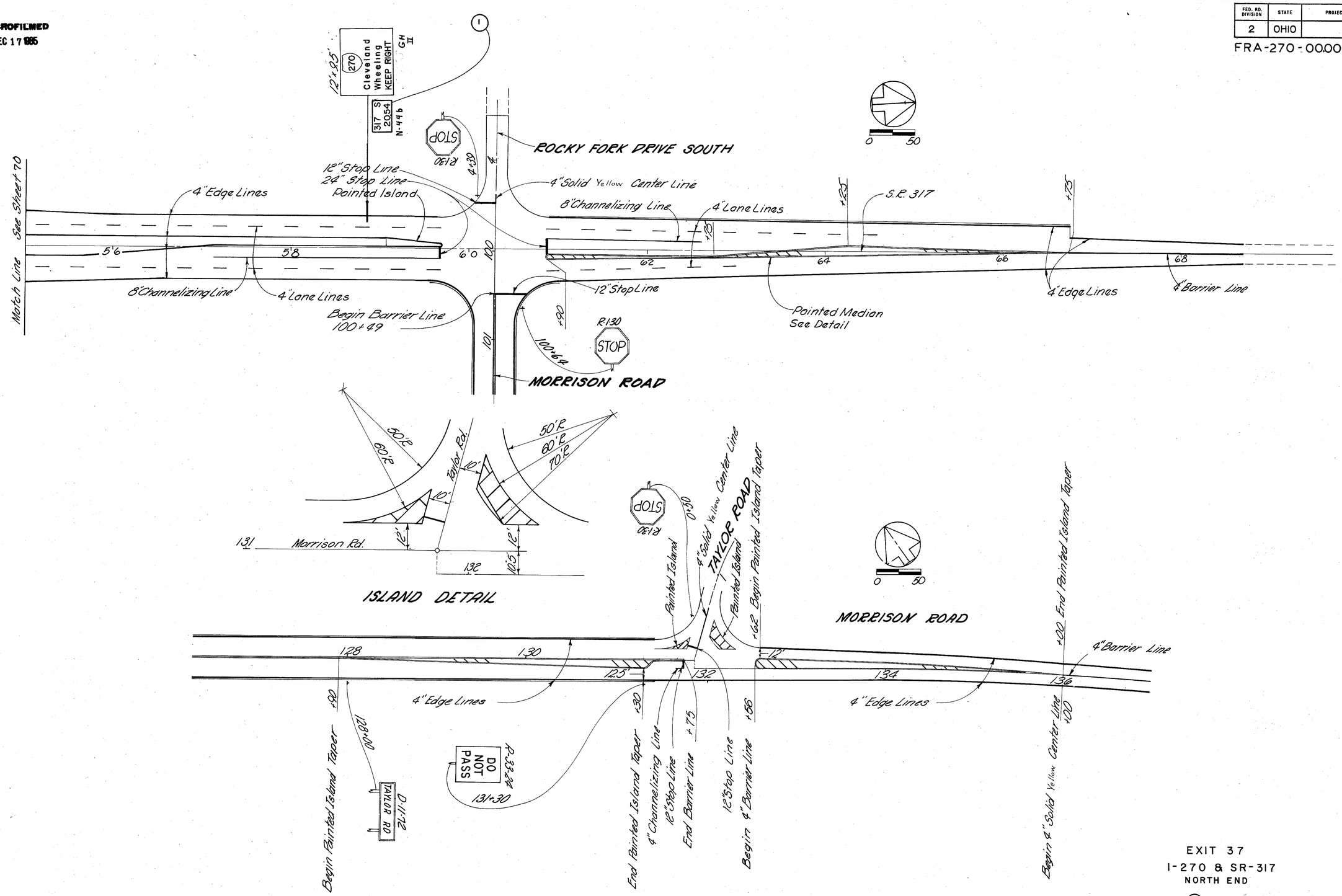
(X) FOR WORK SEE SH. 22&23

MICROFILMED
DEC 17 1985

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

FRA-270-00.00

71
94



EXIT 37
I-270 & SR-317
NORTH END

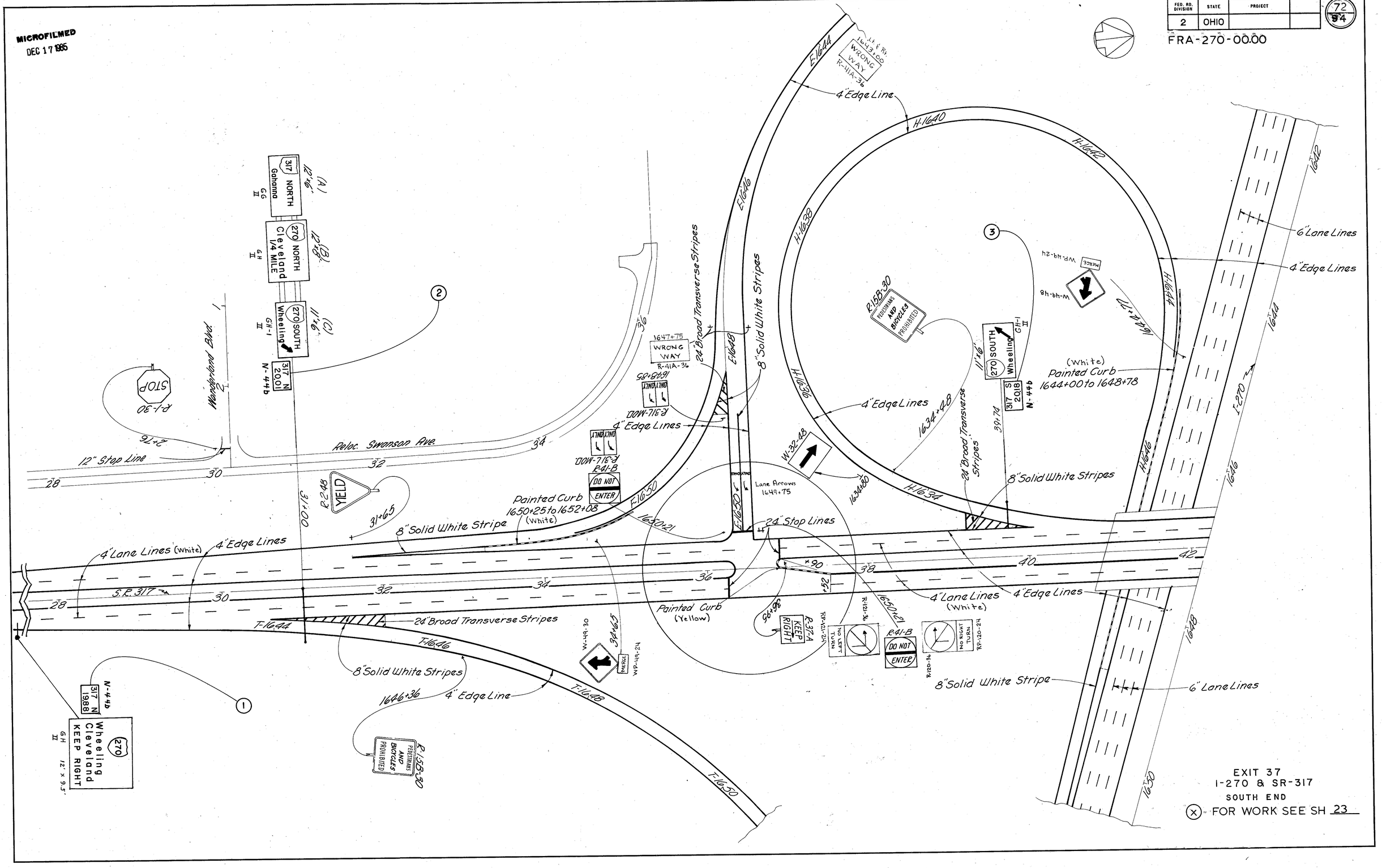
(X) FOR WORK SEE SH. 23

MICROFILMED
DEC 17 1985

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

FRA-270-00.00

72
94

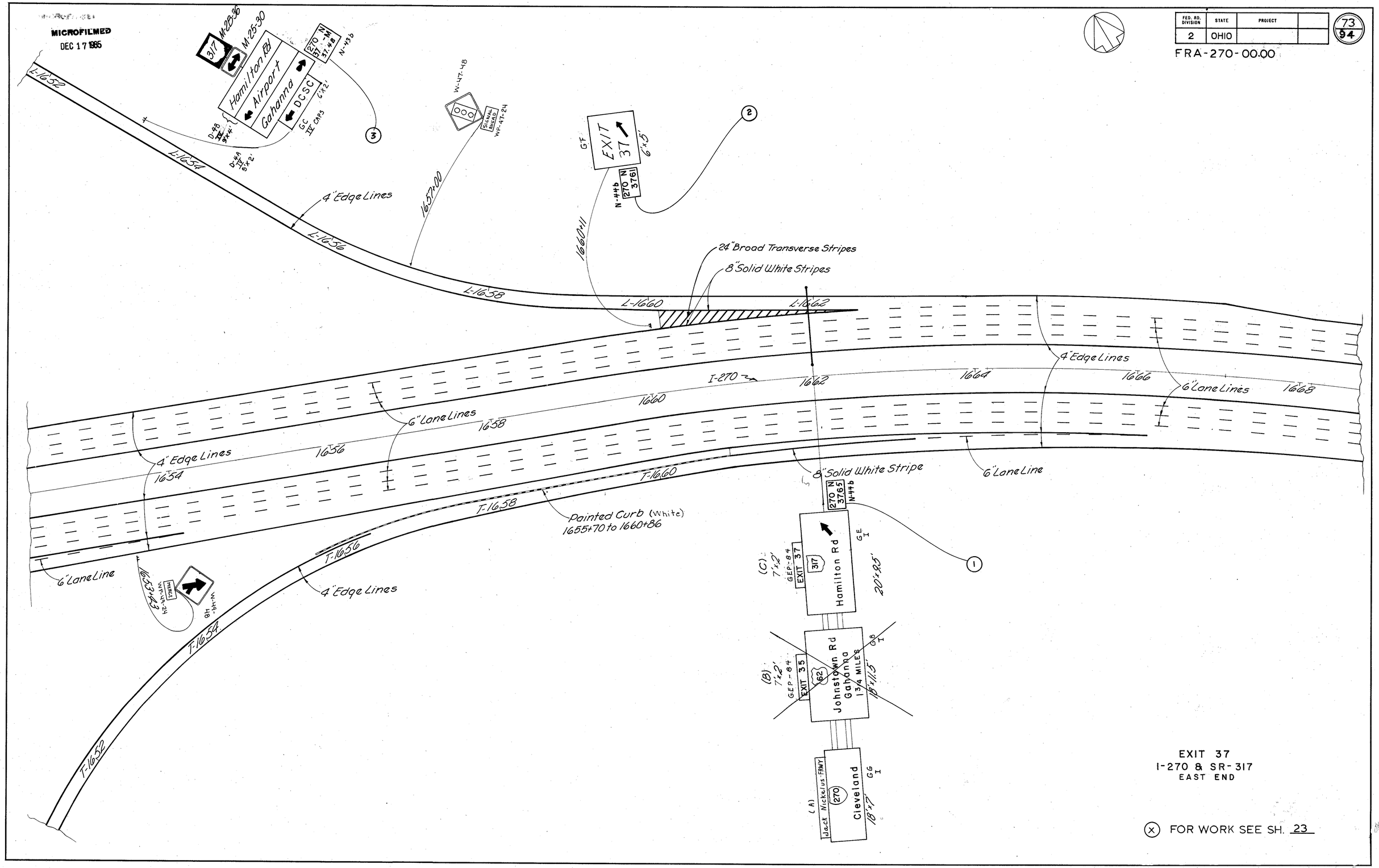


MICROFILMED
DEC 17 1985

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

FRA-270-00.00

73
54



EXIT 37
I-270 & SR-317
EAST END

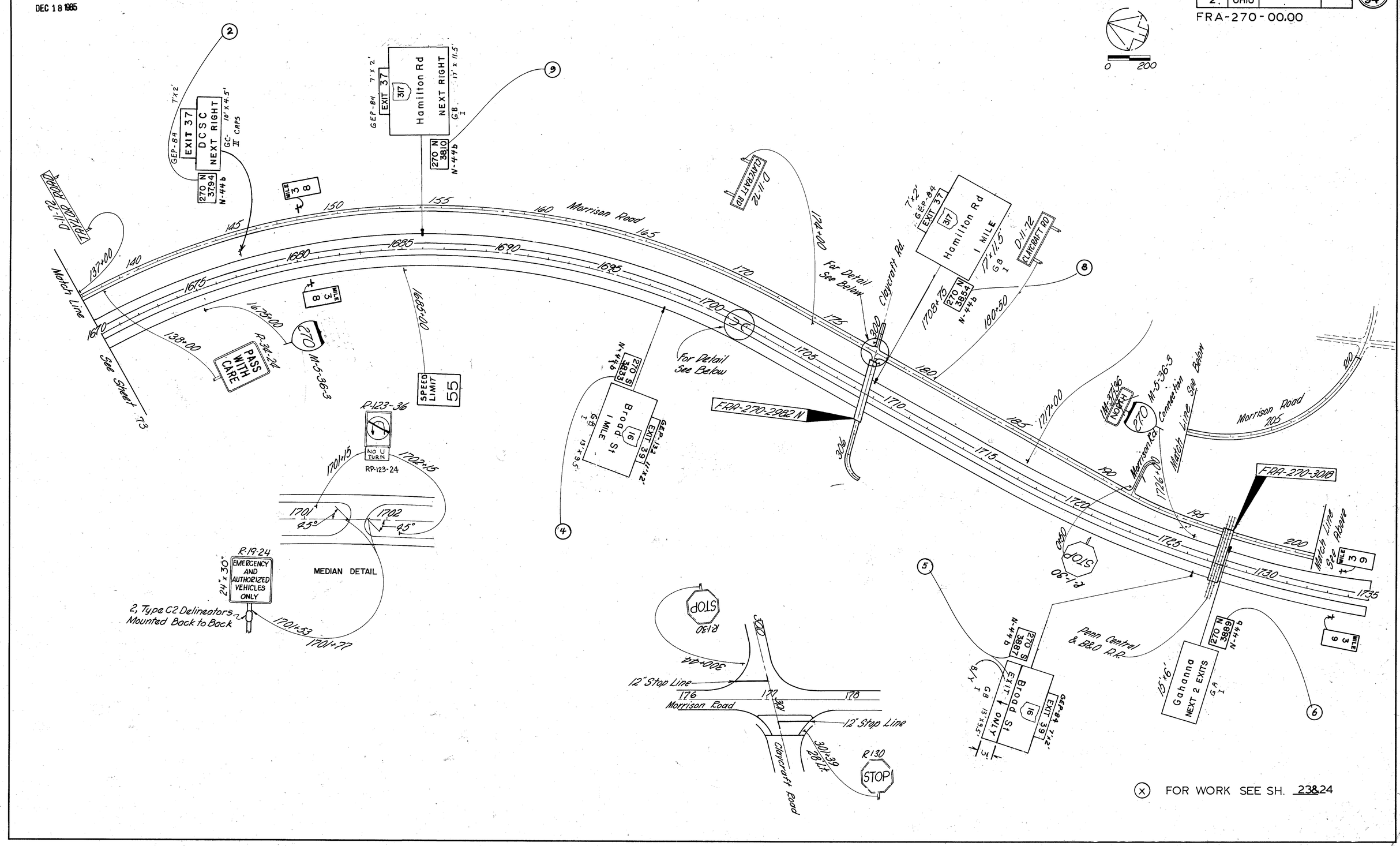
(X) FOR WORK SEE SH. 23

MICROFILMED
DEC 18 1985

FED. RD. DIVISION	STATE	PROJECT	
2.	OHIO		

74
94

FRA-270-00.00

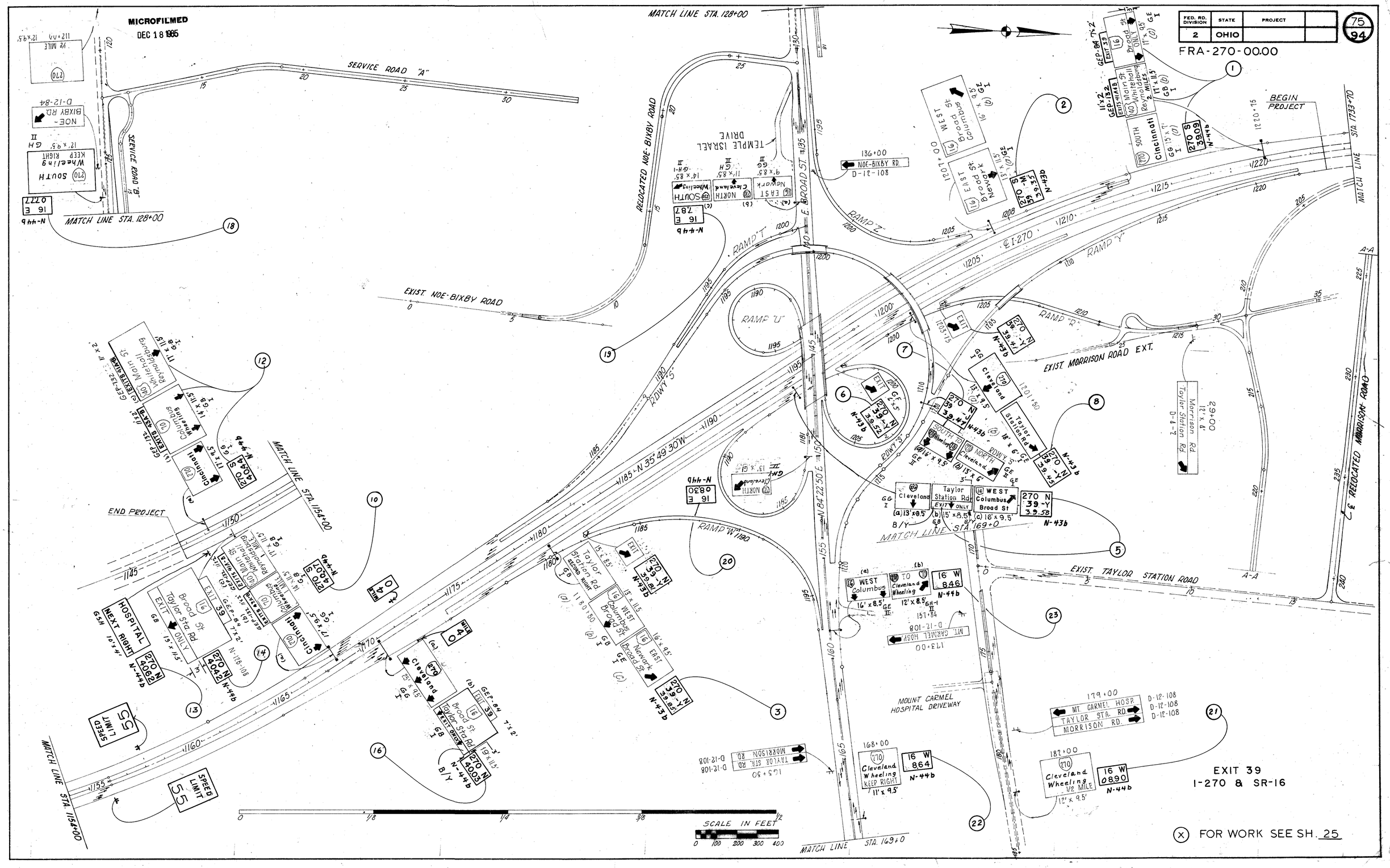


MICROFILMED
DEC 18 1985

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

75
94

FRA-270-00.00

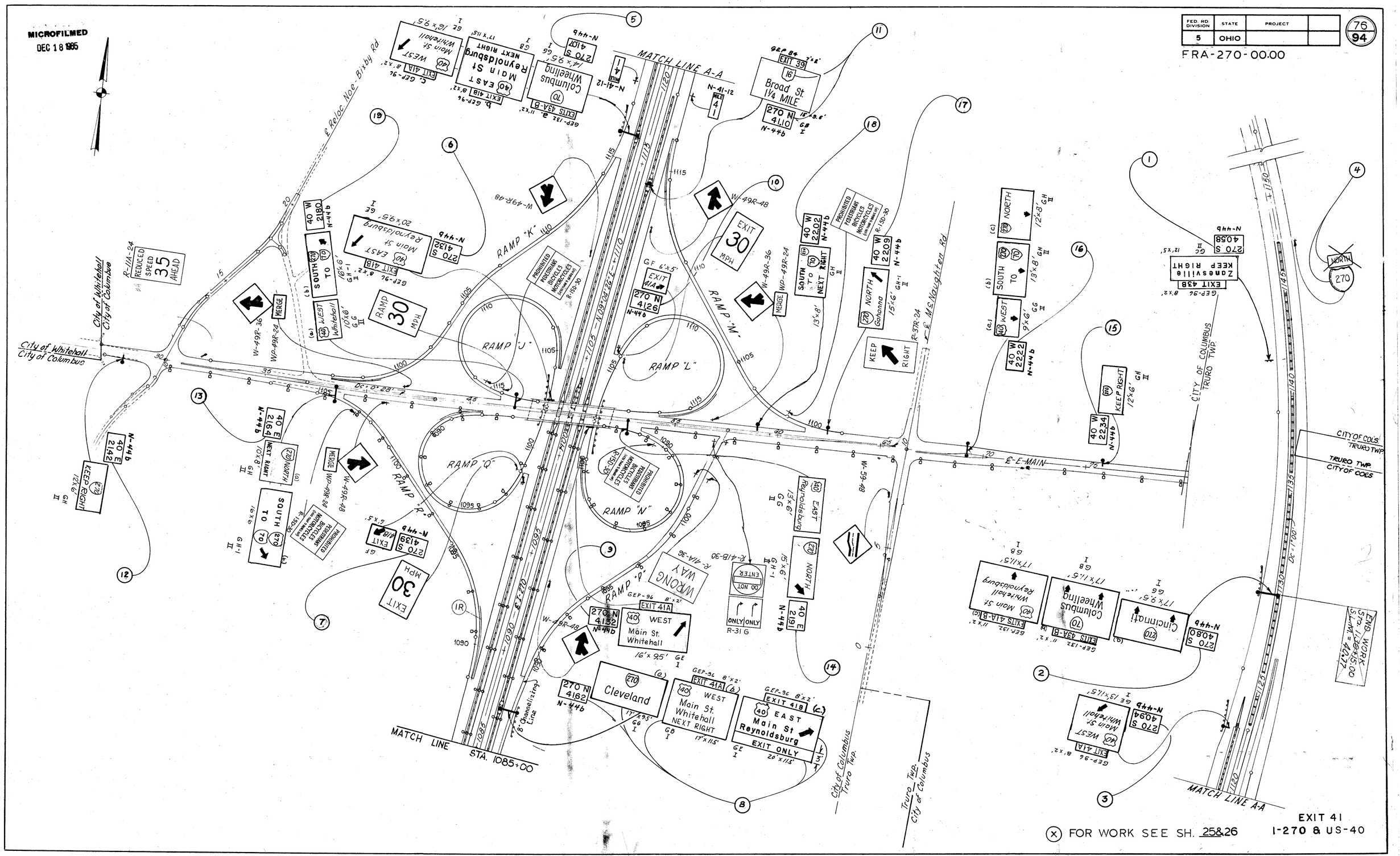


MICROFILMED
DEC 18 1985

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

76
94

FRA-270-00.00



(X) FOR WORK SEE SH. 25&26

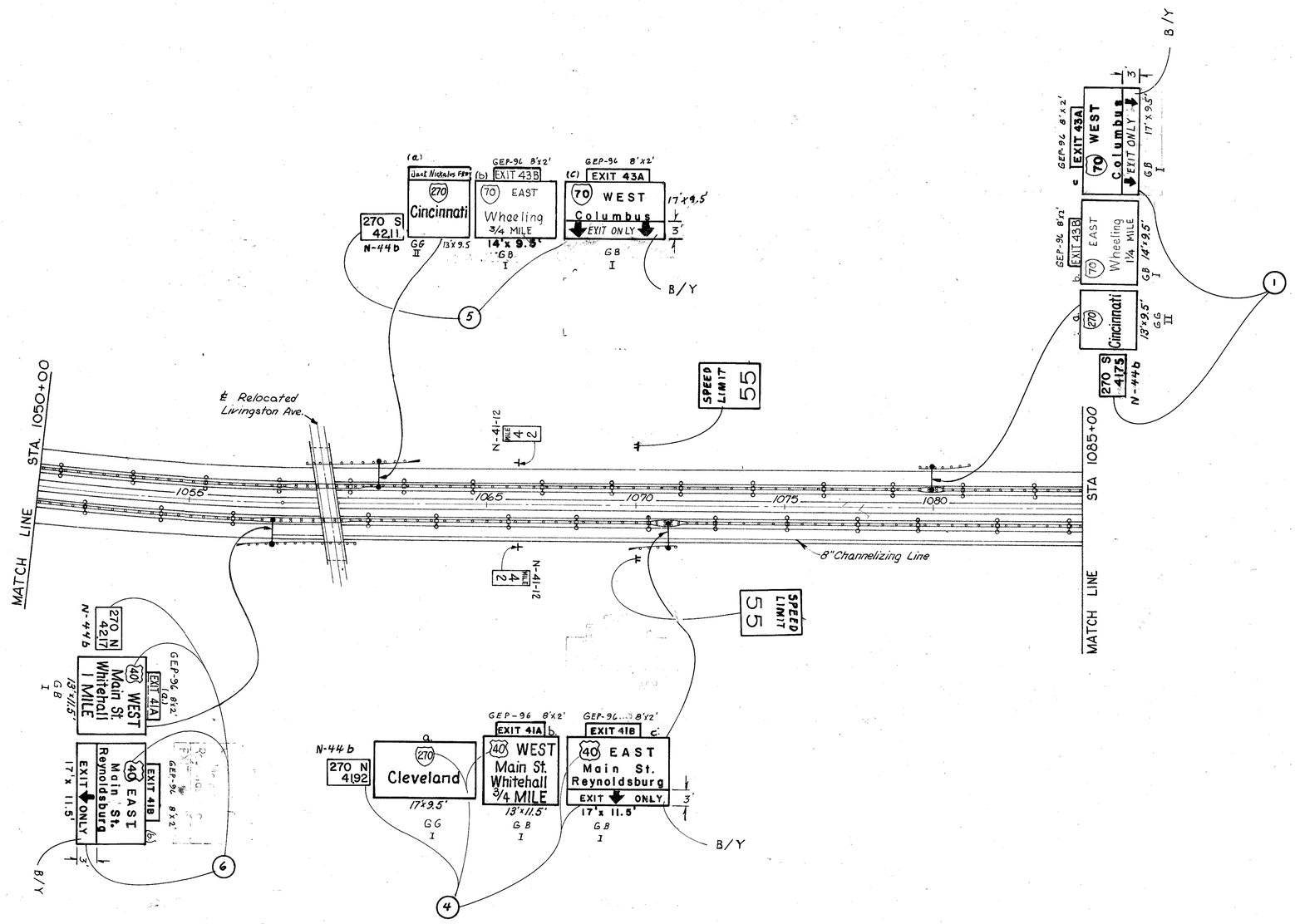
IR 270 STA. 1085+00 TO STA. 1150+00

MICROFILMED
DEC 18 1985

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

FRA-270-00.00

77
94



⊗ FOR WORK SEE SH. 26&27

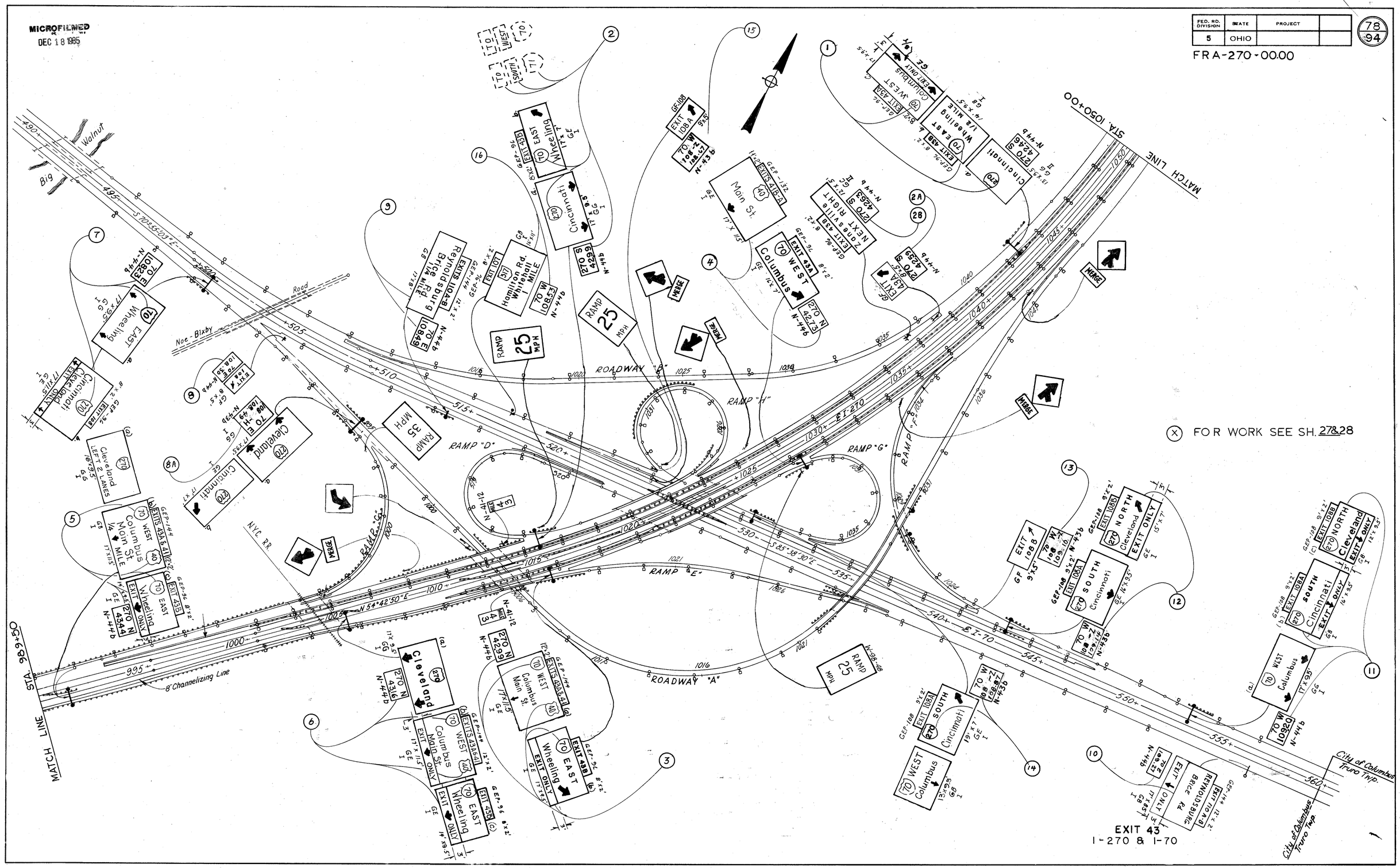
IR270 STA. 1050+00 TO STA. 1085+00

MICROFILMED
DEC 18 1985

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

78
94

FRA-270-00.00



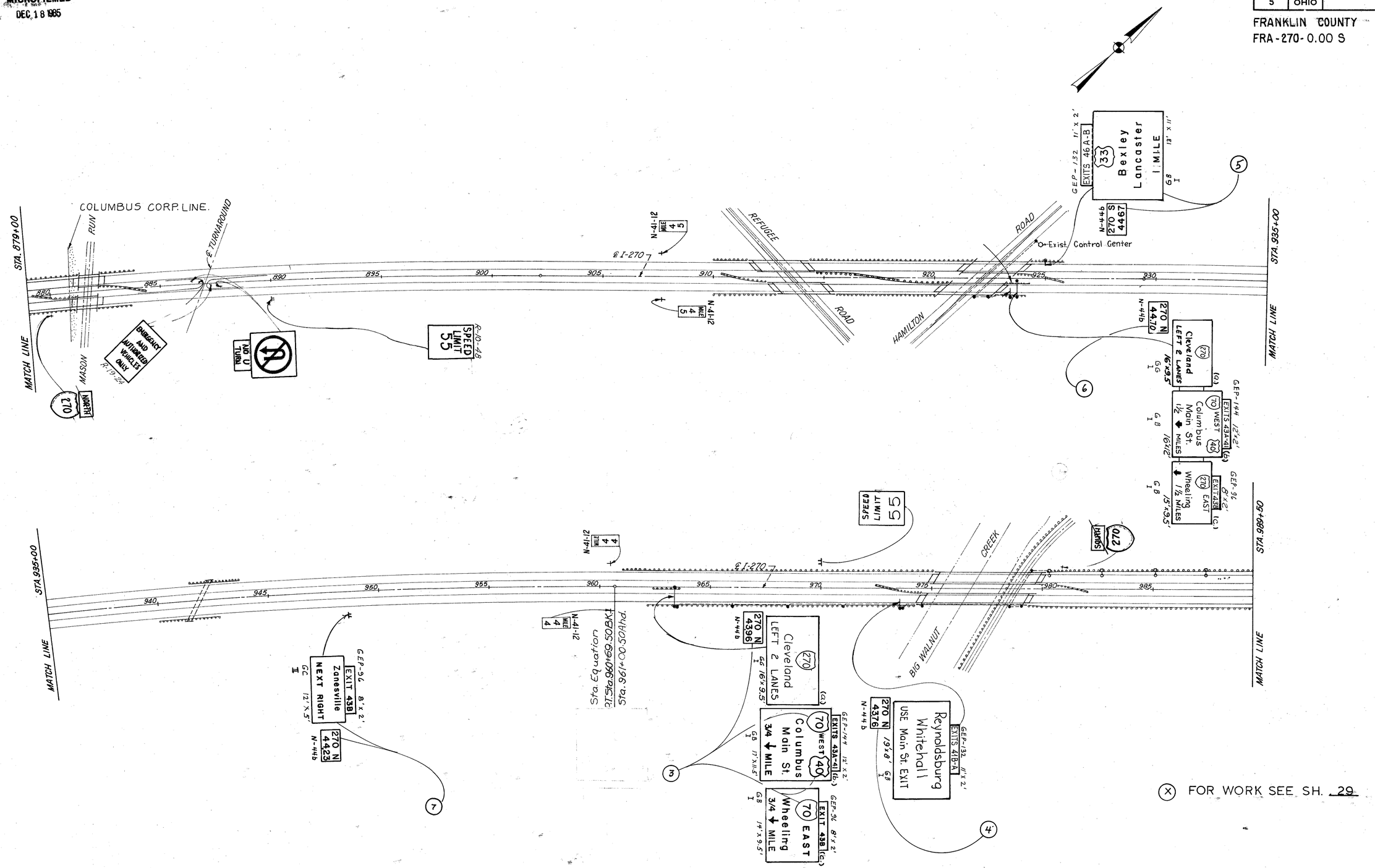
IR270 STA.989+50 TO STA.1050+00

MICROFILMED
DEC 18 1985

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

79
94

FRANKLIN COUNTY
FRA-270-0.00 S



(X) FOR WORK SEE SH. 29

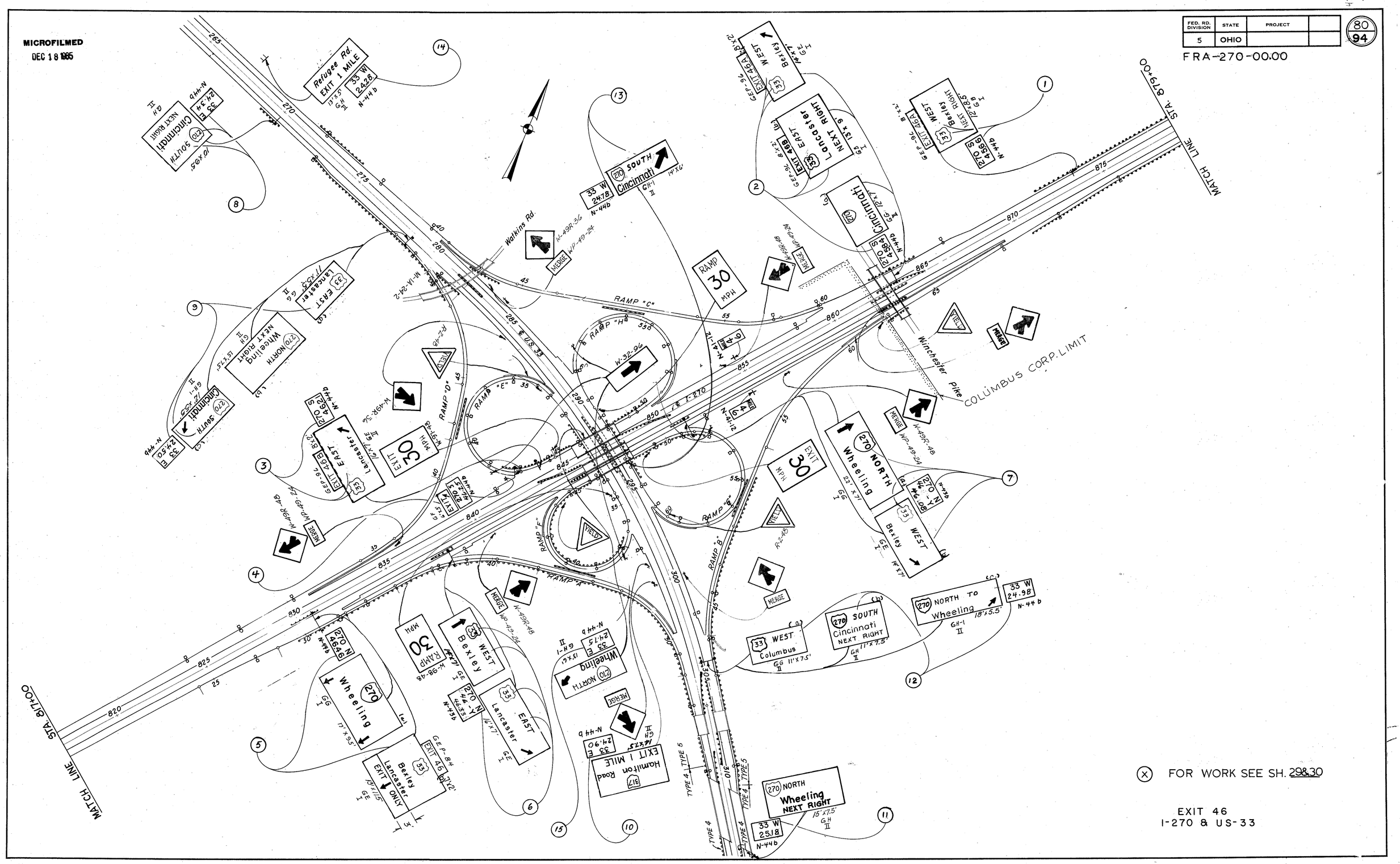
IR 270 STA. 879+00 TO STA. 989+50

MICROFILMED
DEC 18 1985

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

80
94

FRA-270-00.00



(X) FOR WORK SEE SH. 29&30

EXIT 46
I-270 & US-33

MICROFILMED
DEC 18 1985

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

FRA-270-00.00

81
94

(X) FOR WORK SEE SH. 30

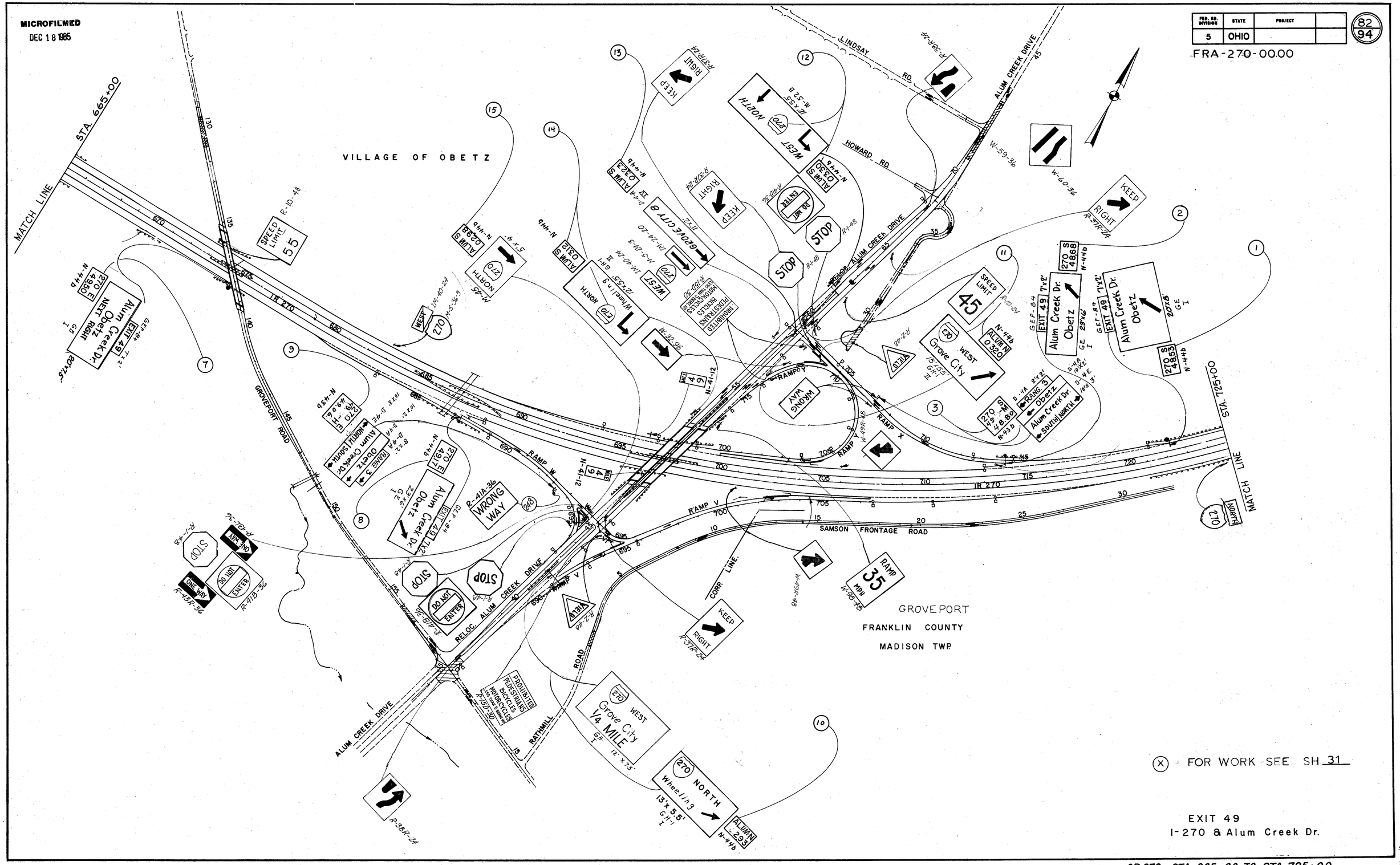
IR270 STA. 725+00 TO STA. 817+00

MICROFILMED
DEC 18 1985

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

82/94

FRA-270-00.00



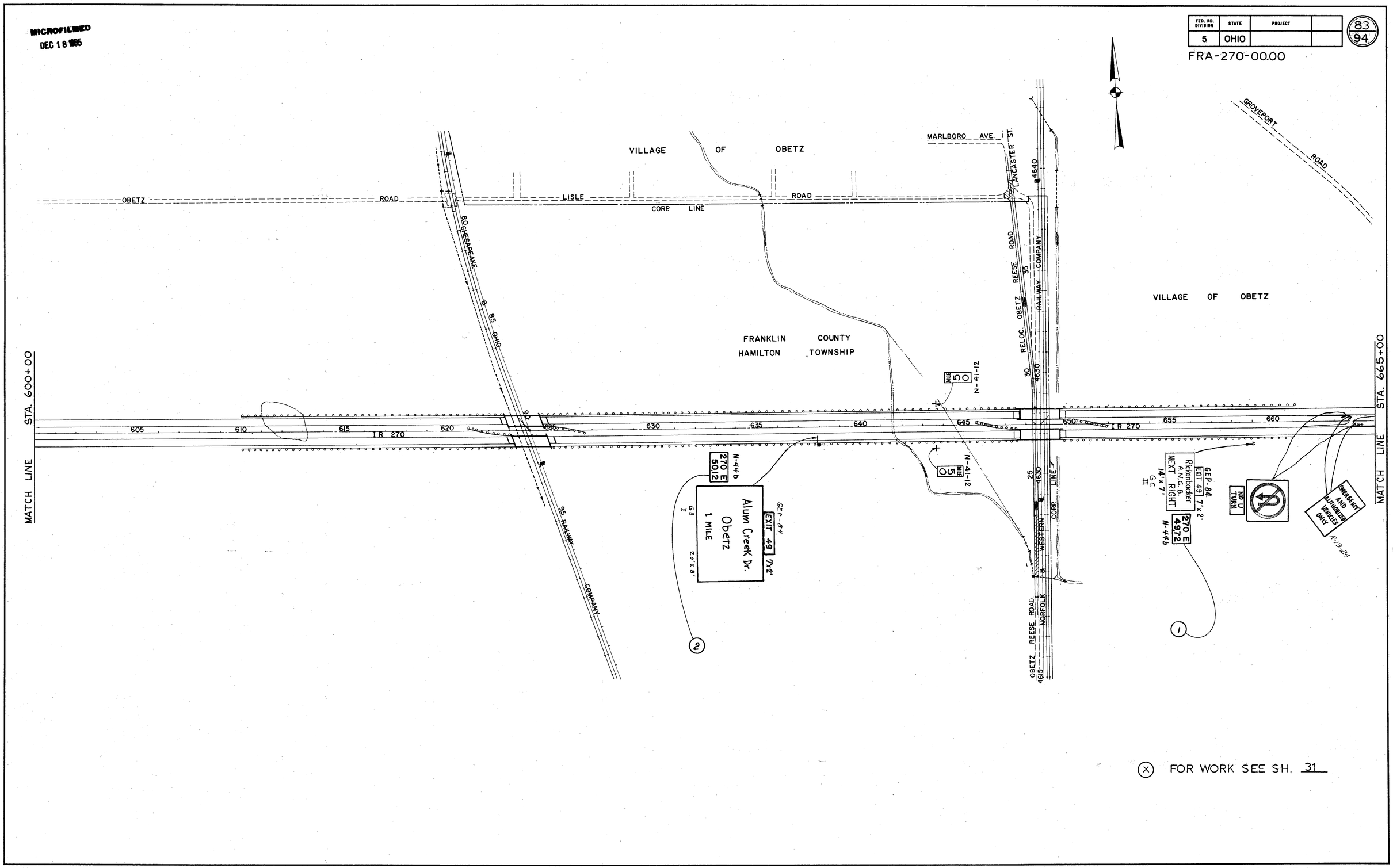
IR 270 STA. 665+00 TO STA. 725+00

MICROFILMED
DEC 18 1985

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

83/94

FRA-270-00.00



(X) FOR WORK SEE SH. 31

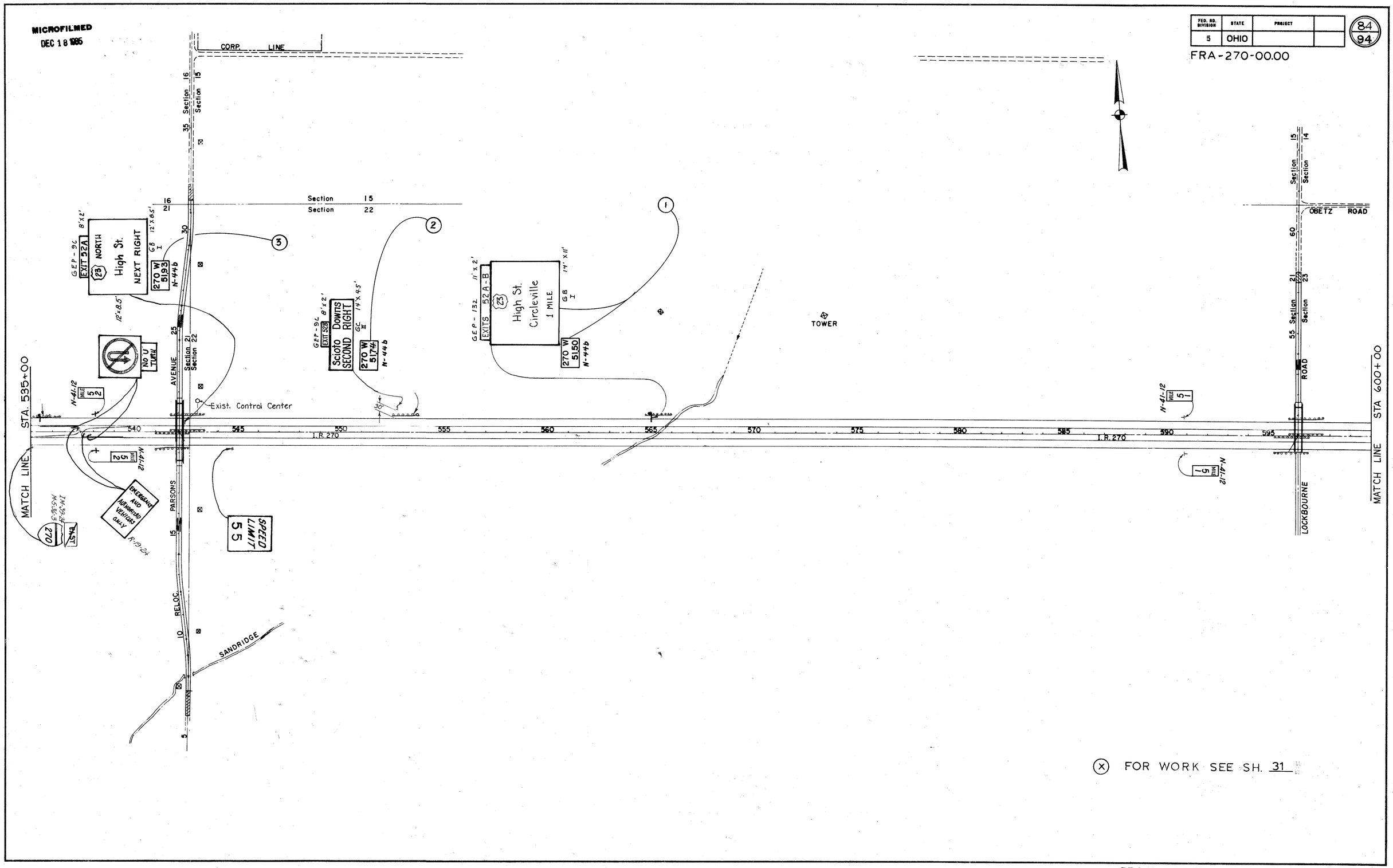
IR 270 STA. 600+00 TO STA. 665+00

MICROFILMED
DEC 18 1985

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

84
94

FRA-270-00.00



(X) FOR WORK SEE SH. 31

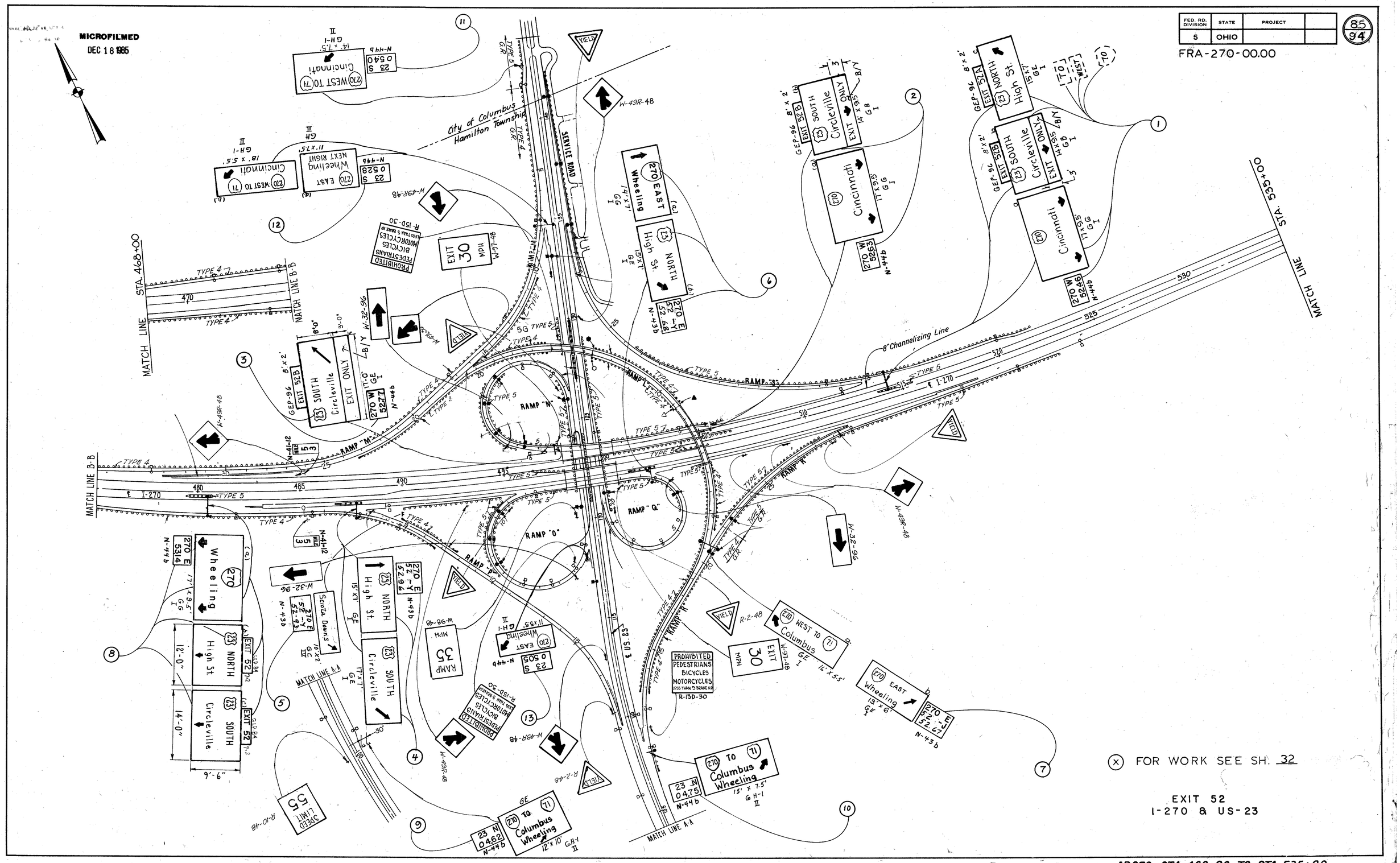
IR 270 STA. 535+00 TO STA. 600+00

MICROFILMED
DEC 18 1985

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

FRA-270-00.00

85/94



(X) FOR WORK SEE SH. 32

EXIT 52
I-270 & US-23

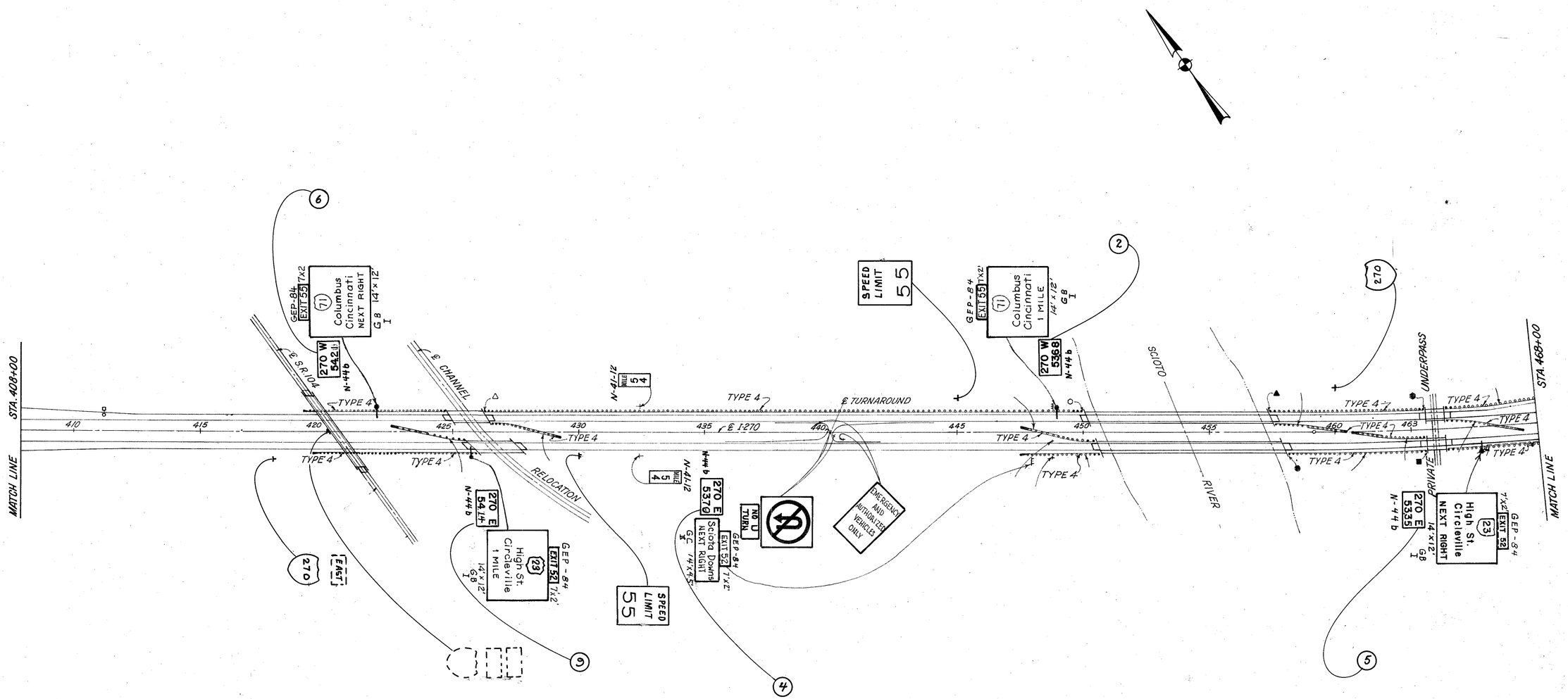
IR270 STA. 468+00 TO STA. 535+00

MICROFILMED
DEC 18 1985

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

86
94

FRA-270-00.00

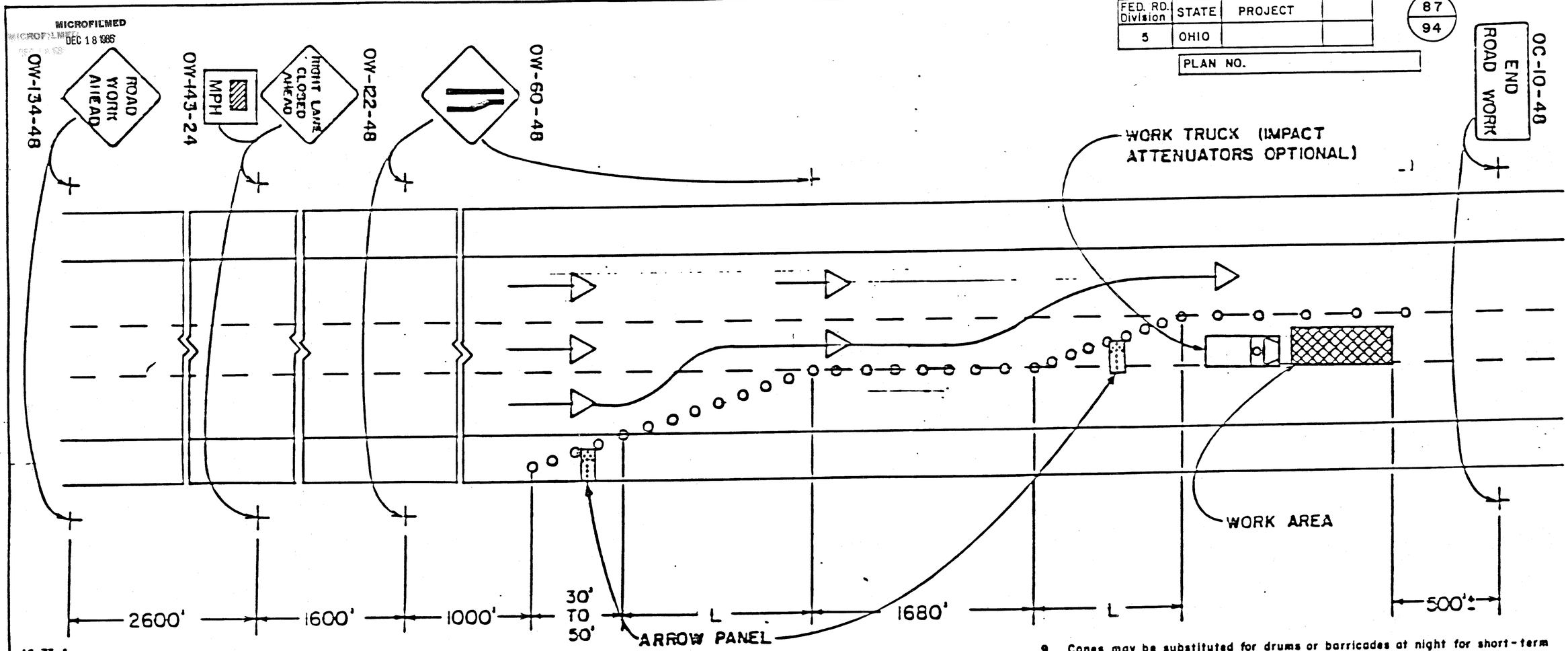


(X) FOR WORK SEE SH. 32&33

MICROFILMED
DEC 18 1985

FED. RD. Division	STATE	PROJECT	
5	OHIO		

PLAN NO.



AS-71-4

1. This work area traffic control application is a lower capacity treatment for closing the center lane of a 6-lane divided highway in rural areas. Plan B is useful in applications where traffic volumes are light or the work area extends into more than one lane.

2. The work truck shown at the beginning of the work area shall be in place and unoccupied whenever men are working within the work area. This truck shall be moved from the pavement whenever workmen are not in the work area. Other protective devices may be used in lieu of work truck shown when approved by the Engineer. A truck-mounted impact attenuator may be employed.

3. Taper Formulae:

   $L = S \times W$ for posted speeds of 45 MPH or more.

   $L = WS^2/60$ for posted speeds of 40 MPH or less.

   Where:

   L = Minimum Length of taper

   S = Numerical value of the off-peak 85th percentile speed.

   W = Width of offset.

4. Thirteen (13) drums or barricades shall be used to form the lane transition taper in advance of the work area. Five (5) channelizing devices shall be used to form the taper on the shoulder. In forming transition tapers, cones, drums or barricades shall be spaced at 50 foot centers. Cones may be substituted for barricades or drums for the lane closures in place during daylight hours. (See note 9)

5. Type C steady burning barricade warning lights shall be erected on drums or barricades for night lane closures. Maximum spacing shall be 50' center to center in advance of the work area and 200' center to center within the limits of the work area.

6. Type B flashing barricade warning lights on the "Road Work Ahead" signs, OW-134-48, and the "Right Lane Closed Ahead" signs OW-146-48 are required whenever a night closure is necessary.

7. The flashing arrow panel shall be in accordance with OMUTCD, Section 7G-8.

8. The spacings between construction and maintenance signs shown on this detail may require adjustments (increases or decreases) to assure that they are positioned no closer than 200 feet to existing signs as determined by the Engineer.

9. Cones may be substituted for drums or barricades at night for short-term lane closures. Cones used at night shall be reflectorized or equipped with lighting devices for maximum visibility.

10. Work vehicles shall be equipped with a 360° rotating or flashing amber beacon clearly visible a minimum of 1/4 mile.

BUREAU OF TRAFFIC
OHIO DEPARTMENT OF TRANSPORTATION

CLOSING CENTER LANE OF A 6-LANE DIVIDED HIGHWAY PLAN B (RURAL)	DATE 4/81 5/85
DR.	CK.

71-4

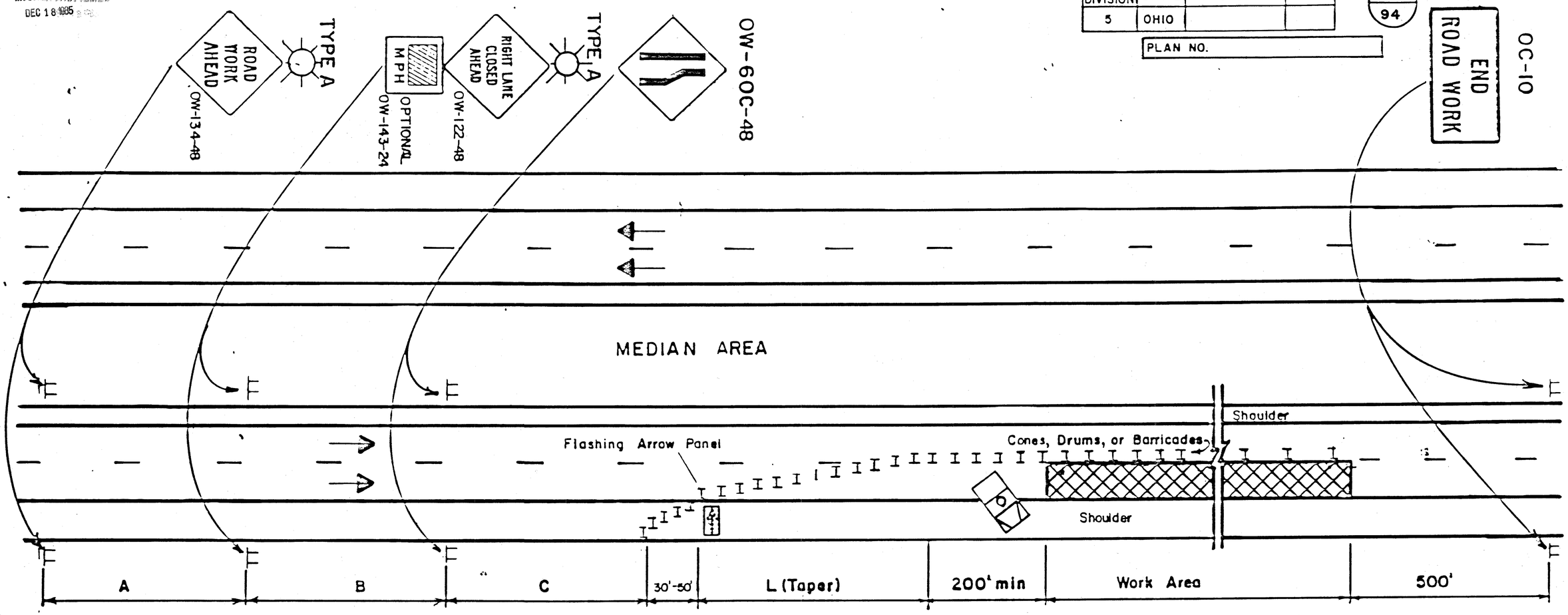
Rev. EEF 9/84

MICROFILMED
DEC 18 1985

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

PLAN NO.

88
94



GENERAL NOTES:

1. The taper length (L) shall be in accordance with Section 7F-17 of the OMUTCD. The location of the transition taper and location of the advance warning signs should be adjusted to provide for adequate sight distance for the existing vertical and horizontal roadway alignment. In order to determine the minimum number of channelizing devices for the transition taper see Table 7-5 OMUTCD. For a 55 MPH prevailing speed and a 12 ft. lane, not less than thirteen (13) cones, drums or barricades shall be used to form the lane transition taper in advance of the work area. Not less than five (5) cones, drums or barricades shall be used to form the taper on the shoulder. Cones, drums or barricades shall be spaced approximately 50' to 60' center to center for the first 1000 feet of the work area and at a maximum of 100 to 120 feet for the balance of the work area. Cones may be substituted for barricades or drums for short term lane closures. Cones shall be reflectorized, delineated or internally illuminated for short term night lane closures.

2. The major standard level warning sign sizes may be used on divided streets or highways that are not classified as freeways or expressways.

3. When work is being performed in the lane adjacent to the median on a divided highway an OW-123-48 sign(s) shall be substituted for the OW-122-48 sign(s) and an OW-60D-48 sign(s) shall be substituted for the OW-60C sign(s).

4. The work vehicle shown at the beginning of the work area shall be in place and unoccupied whenever workers are in the work area. This work vehicle shall be removed from the pavement whenever workers are not in the work area. Other protective devices may be used in lieu of the work vehicle shown when approved by the Engineer. The vehicle shall be equipped with a 360° rotating or flashing amber beacon clearly visible a minimum of a ½ mile.

5. The flashing arrow panel shall meet requirements contained in Section 7G-8, OMUTCD.

6. Type C steady burning barricade warning lights shall be erected on drums or barricades for night lane closures. The maximum spacing shall be identical to the channelizing device spacing requirements described in Note 1.

MINIMUM DISTANCE	A	B	C
MAJOR STANDARD	500'	500'	500'
URBAN FREEWAY & EXPRESSWAY	500' TO 1000'	500' TO 1000'	500' TO 1000'
RURAL FREEWAY & EXPRESSWAY	2600'	1600'	1000'

7. Type A flashing barricade warning lights shown on the "Road Work Ahead" and the "Right Lane Closed Ahead" signs are required whenever a night lane closure is necessary.

8. Some work area locations may require more than just static or conventional signs to enhance communication with the driver. At these locations Portable Changeable Message Signs (PCMS) units are recommended. These devices should be located approximately 2000-4000 ft. in advance of a lane closure or other point of required action. See Section 7G-8.1, OMUTCD for further guidance on use of PCMS units.

OHIO DEPARTMENT OF TRANSPORTATION

CLOSING ONE LANE OF A FOUR LANE DIVIDED HIGHWAY

DATE 2/82

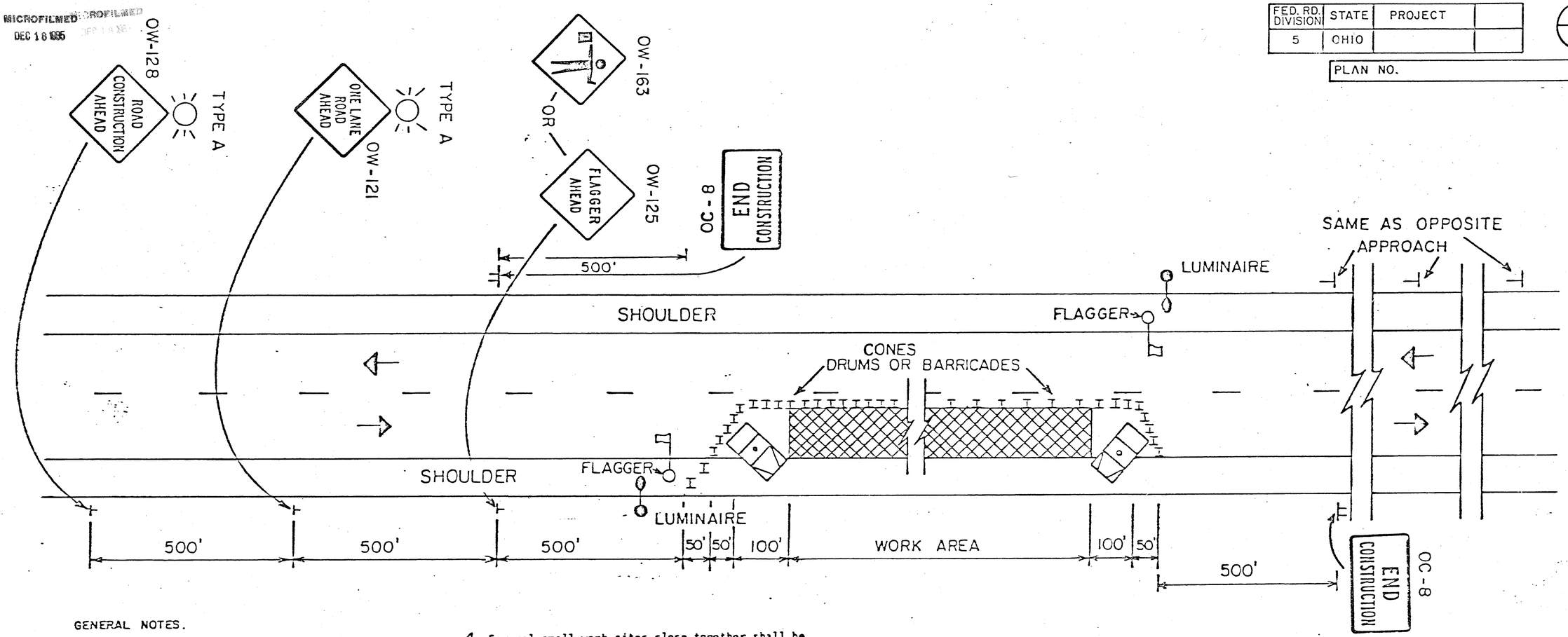
7I-1a

Rev. EEF 9/84

MICROFILMED
DEC 18 1995

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

PLAN NO.



GENERAL NOTES.

1. The location of the advance warning signs should be adjusted to provide for adequate sight distance for the existing vertical and horizontal roadway alignment. The distances shown are minimums.

2. Flaggers shall be used to control traffic continuously for as long as a one lane operation is in effect. The flaggers shall communicate with each other at all times as described in the Ohio Manual of Uniform Traffic Control Devices (OMUTCD) in Section 7H: Control of Traffic Through Work Areas.

3. Cones drums or barricades shall be spaced at approximately 50' to 60' center to center for the first 1000 feet of the work area and at a maximum of 100' to 120' center to center for the balance of the work area. Cones, drums or barricades on the advance and return tapers shall be spaced at 10' center to center. Cones may be substituted for barricades or drums for short term lane closures. Cones shall be reflectorized, delineated or internally illuminated for short term night lane closures.

4. Several small work sites close together shall be combined into one work area to make a closure not more than 2000 feet long including tapers. Closures of more than 2000 feet may be approved by the Engineer. The minimum length between closures shall be 2000 feet. Only one side of the road shall be closed in any one work area.

5. The work vehicles shown at the beginning and end of the work area shall be in place and unoccupied whenever workers are in the work area. These work vehicles shall be removed from the pavement whenever workers are not in the work area. Other protective devices may be used in lieu of the work vehicles shown when approved by the Engineer. The vehicles shall be equipped with a 360° rotating or flashing amber beacon clearly visible a minimum of a ¼ mile.

6. The Type A flashing barricade warning lights shown on the "Road Construction Ahead" and the "One Lane Road Ahead" signs are required whenever a night lane closure is necessary.

7. Type C steady burning barricade warning lights shall be erected on drums or barricades for night lane closures. The maximum spacing shall be identical to the channelizing device spacing requirements described in Note 3.

8. Adequate area illumination to clearly identify the flagger station at night for long term operations shall be provided by using 150 watt minimum high pressure sodium luminaires or 250 watt minimum mercury luminaires. Luminaires shall be located adjacent to one flagger station for each direction of traffic as shown above. The mounting height for temporary luminaires shall be a minimum of 27 feet above the pavement and the overhead conductor clearance shall be 20 feet above the pavement.

OHIO DEPARTMENT OF TRANSPORTATION

FLAGGERS CLOSING 1 LANE OF A 2 LANE HIGHWAY

DATE 12/82

TG-1

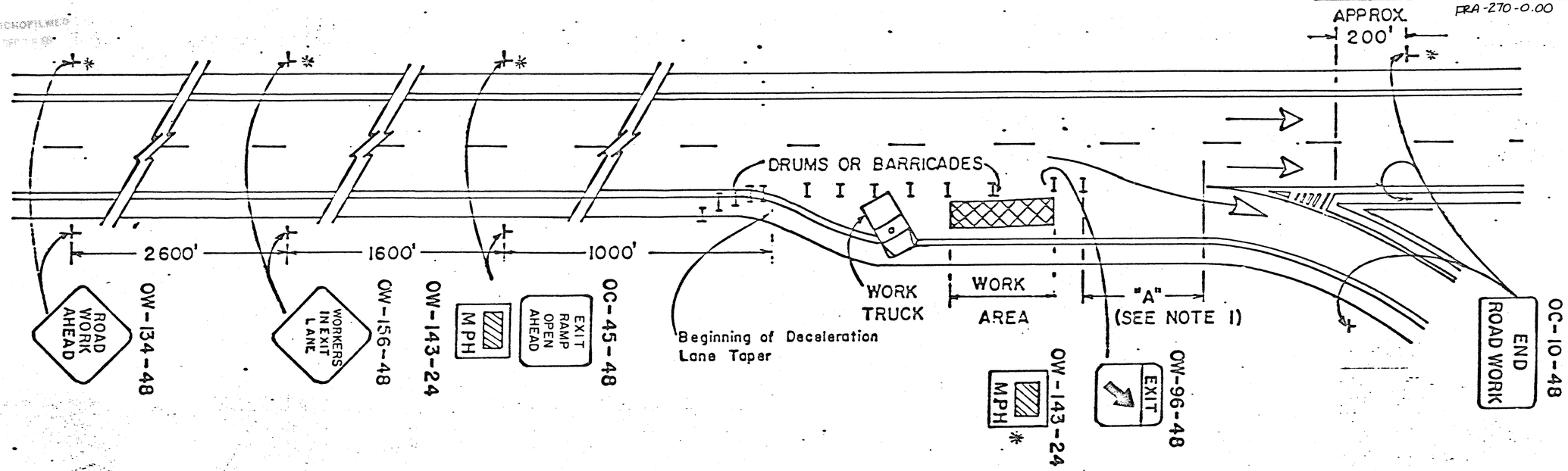
Rev EEF 9/84

MICROFILMED
DEC 18 1985

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

PLAN NO.

FRA-270-0.00



* OPTIONAL SIGN ERECTED WITH THE APPROVAL OF THE ENGINEER.

GENERAL NOTES.

1. THIS WORK AREA TRAFFIC CONTROL APPLICATION SHALL ONLY APPLY WHEN THE DISTANCE "A" IS GREATER THAN 100'. WHEN DISTANCE "A" IS LESS THAN 100', THE RAMP SHALL BE CLOSED. WHEN THE RAMP IS CLOSED, THE TRAFFIC CONTROL SHALL INCLUDE DETOUR SIGNING FOR EXIT RAMP CLOSURES IN ACCORDANCE WITH OMUTCD.

2. DRUMS OR BARRICADES SHALL BE SPACED AT 50 FOOT CENTERS. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS FOR THE LANE CLOSURES DURING DAYLIGHT HOURS. (SEE NOTE 7)

3. TYPE C STEADY BURNING BARRICADE WARNING LIGHTS SHALL BE ERECTED ON DRUMS OR BARRICADES FOR NIGHT LANE CLOSURES. MAXIMUM SPACING SHALL BE 50' CENTER TO CENTER IN ADVANCE OF THE WORK AREA AND 200' CENTER TO CENTER WITHIN THE LIMITS OF THE WORK AREA.

4. THE WORK TRUCK SHOWN AT THE BEGINNING OF THE WORK AREA SHALL BE IN PLACE AND UNOCCUPIED WHENEVER MEN ARE WORKING WITHIN THE WORK AREA. THIS TRUCK SHALL BE MOVED FROM THE PAVEMENT WHENEVER WORKMEN ARE NOT IN THE WORK AREA. OTHER PROTECTIVE DEVICES MAY BE USED IN LIEU OF THE WORK TRUCK SHOWN WHEN APPROVED BY THE ENGINEER.

5. THE SPACINGS BETWEEN CONSTRUCTION AND MAINTENANCE SIGNS SHOWN ON THIS DETAIL MAY REQUIRE ADJUSTMENTS (INCREASES OR DECREASES) TO ASSURE THAT THEY ARE POSITIONED NO CLOSER THAN 200 FEET TO EXISTING SIGNS AS DETERMINED BY THE ENGINEER.

7. CONES MAY BE SUBSTITUTED FOR DRUMS OR BARRICADES AT NIGHT FOR SHORT-TERM LANE CLOSURES. CONES USED AT NIGHT SHALL BE REFLECTORIZED OR EQUIPPED WITH LIGHTING DEVICES FOR MAXIMUM VISIBILITY.

8. FOR NIGHT CLOSURES, EACH OF THE FIRST TWO SIGNS IN THE SEQUENCE (ROAD WORK AHEAD AND WORKERS IN EXIT LANE) IS REQUIRED TO BE SUPPLEMENTED BY A TYPE A FLASHING BARRICADE WARNING LIGHT.

9. WORK VEHICLES SHALL BE EQUIPPED WITH A 360° ROTATING OR FLASHING AMBER BEACON CLEARLY VISIBLE A MINIMUM OF 1/4 MILE.

OHIO DEPARTMENT OF TRANSPORTATION

LANE CLOSURE IN DECELERATION LANE

DATE 8-3-79

7K-2

Rev. EEF 9/84

9. Cones may be substituted for drums or barricades at night for short-term lane closures. Cones used at night shall be reflectorized or equipped with lighting devices for maximum visibility.

10. For night closures, each of the first two signs in the sequence (ROAD WORK AHEAD and RIGHT LANE CLOSED AHEAD) is required to be supplemented by a Type A flashing barricade warning light.

11. Work vehicles shall be equipped with a 360° rotating or flashing amber beacon clearly visible a minimum of 1/4 mile.

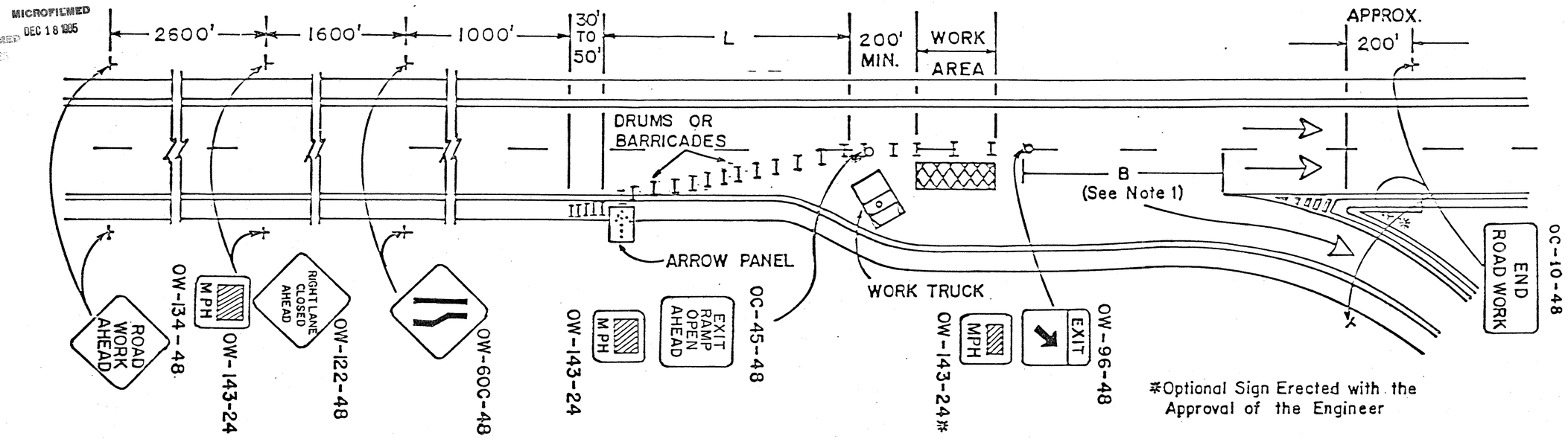
FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

PLAN NO.

91/94

FRA-270-0.00

MICROFILMED DEC 18 1985



GENERAL NOTES

1. THIS WORK AREA TRAFFIC CONTROL APPLICATION SHALL ONLY BE USED WHEN THE DISTANCE "B" IS 100 FEET OR GREATER. WHEN "B" IS LESS THAN 100 FEET, THE TRAFFIC CONTROL SHOWN ON THE "LANE CLOSURE AT EXIT GORE" DETAIL SHOULD BE USED, OR THE EXIT SHOULD BE CLOSED, OR THE TRAFFIC CONTROL ON THIS DRAWING MAY BE USED WITH APPROVAL OF THE ENGINEER. WHEN THE EXIT IS CLOSED, APPROPRIATE DETOUR SIGNS SHALL BE PROVIDED.

2. WHEN WORK IS BEING PERFORMED IN THE LANE ADJACENT TO THE MEDIAN ON A DIVIDED HIGHWAY, REFER TO THE TYPICAL WORK AREA TRAFFIC CONTROL SHOWN IN FIGURE C-21 OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

3. THE WORK TRUCK SHOWN AT THE BEGINNING OF THE WORK AREA SHALL BE IN PLACE AND UNOCCUPIED WHENEVER MEN ARE WORKING WITHIN THE WORK AREA. THIS TRUCK SHALL BE MOVED FROM THE PAVEMENT WHENEVER WORKMEN ARE NOT IN THE WORK AREA. OTHER PROTECTIVE DEVICES MAY BE USED IN LIEU OF THE WORK TRUCK SHOWN WHEN APPROVED BY THE ENGINEER.

4. THE FLASHING ARROW PANEL SHALL BE IN ACCORDANCE WITH OMUTCD, SECTION 7G-8.

5. THIRTEEN (13) DRUMS OR BARRICADES SHALL BE USED TO FORM THE LANE TRANSITION TAPER IN ADVANCE OF THE WORK AREA. FIVE (5) CHANNELIZING DEVICES SHALL BE USED TO FORM THE TAPER ON THE SHOULDER. CONES, DRUMS, OR BARRICADES SHALL BE SPACED AT 50 FOOT CENTERS. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS FOR THE LANE CLOSURES DURING DAYLIGHT HOURS. (SEE NOTE 9)

6. TYPE C STEADY BURNING BARRICADE WARNING LIGHTS SHALL BE ERECTED ON DRUMS OR BARRICADES FOR NIGHT LANE CLOSURES. MAXIMUM SPACING SHALL BE 50' CENTER TO CENTER IN ADVANCE OF THE WORK AREA AND 200' CENTER TO CENTER WITHIN THE LIMITS OF THE WORK AREA.

7. TAPER FORMULAE:

$L = S \times W$ FOR SPEEDS OF 45 OR MORE
$L = WS^2/60$ FOR SPEEDS OF 40 OR LESS.

WHERE:

L = MINIMUM LENGTH OF TAPER.
S = NUMERICAL VALUE OF POSTED SPEED LIMIT PRIOR TO WORK OR 85 PERCENTILE SPEED.
W = WIDTH OF OFFSET.

8. THE SPACINGS BETWEEN CONSTRUCTION AND MAINTENANCE SIGNS SHOWN ON THIS DETAIL MAY REQUIRE ADJUSTMENTS (INCREASES OR DECREASES) TO ASSURE THAT THEY ARE POSITIONED NO CLOSER THAN 200 FEET TO EXISTING SIGNS AS DETERMINED BY THE ENGINEER.

BUREAU OF TRAFFIC CONTROL
OHIO DEPARTMENT OF TRANSPORTATION

LANE CLOSURE BEFORE EXIT GORE

DATE 3-3-79

CR CK –

7K-3

Rev. EEF 9/84

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

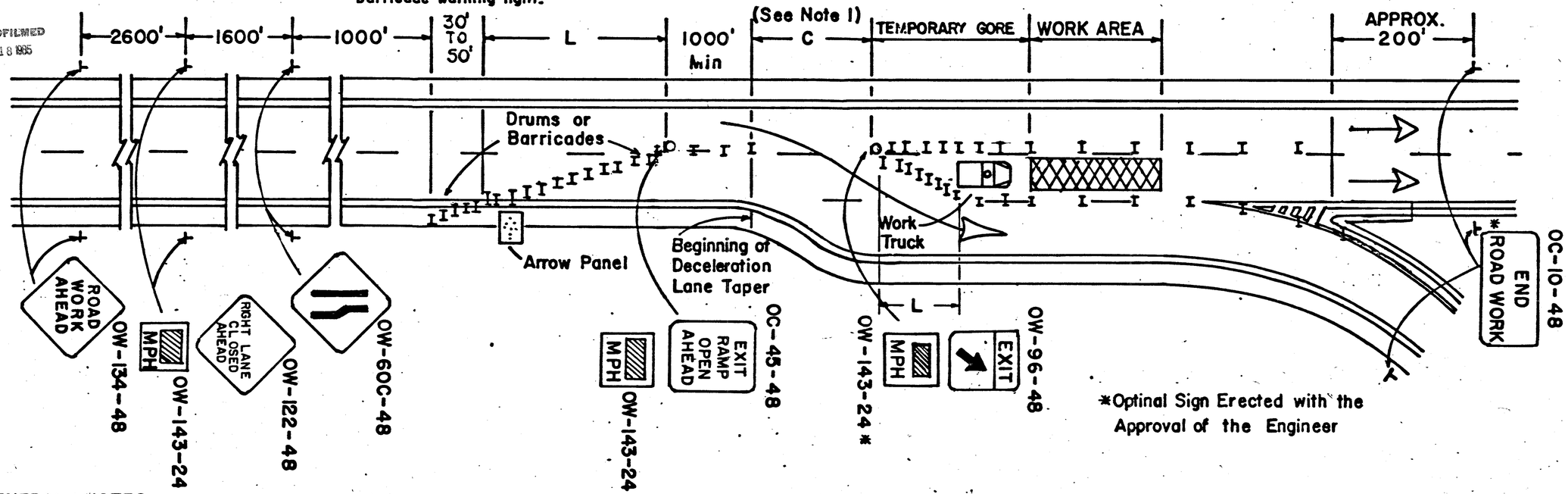
PLAN NO.

10. Cones may be substituted for drums or barricades at night for short-term lane closures. Cones used at night shall be reflectorized or equipped with lighting devices for maximum visibility.

11. For night closures, each of the first two signs in the sequence (ROAD WORK AHEAD and RIGHT LANE CLOSED AHEAD) is required to be supplemented by a Type A flashing barricade warning light.

12. Work vehicles shall be equipped with a 360° rotating or flashing amber beacon clearly visible a minimum of 1/4 mile.

MICROFILMED
DEC 18 1985



GENERAL NOTES

1. THIS WORK AREA TRAFFIC CONTROL APPLICATION SHALL ONLY BE USED WHEN THE DISTANCE "C" IS 100 FEET OR GREATER. WHEN "C" IS LESS THAN 100 FEET, THE TRAFFIC CONTROL SHOWN ON THE "LANE CLOSURE BEFORE EXIT GORE" DETAIL SHOULD BE USED, OR THE EXIT SHOULD BE CLOSED, OR THE TRAFFIC CONTROL ON THIS DRAWING MAY BE USED WITH APPROVAL OF THE ENGINEER. WHEN THE EXIT IS CLOSED, APPROPRIATE DETOUR SIGNS SHALL BE PROVIDED.

2. WHEN WORK IS BEING PERFORMED IN ONLY THE LANE ADJACENT TO THE MEDIAN ON A DIVIDED HIGHWAY, REFER TO THE TYPICAL WORK AREA TRAFFIC CONTROL SHOWN IN FIGURE C-21 OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

3. THE WORK TRUCK SHOWN AT THE BEGINNING OF THE WORK AREA SHALL BE IN PLACE AND UNOCCUPIED WHENEVER MEN ARE WORKING WITHIN THE WORK AREA. THIS TRUCK SHALL BE MOVED FROM THE PAVEMENT WHENEVER WORKMEN ARE NOT IN THE WORK AREA. OTHER PROTECTIVE DEVICES MAY BE USED IN LIEU OF THE WORK TRUCK SHOWN WHEN APPROVED BY THE ENGINEER. A TRUCK MOUNTED IMPACT ATTENUATOR MAY BE EMPLOYED.

4. THE FLASHING ARROW PANEL SHALL BE IN ACCORDANCE WITH OMUTCD, SECTION 7G-8

5. THIRTEEN (13) DRUMS OR BARRICADES SHALL BE USED TO FORM THE LANE TRANSITION TAPER IN ADVANCE OF THE WORK AREA. FIVE (5) CHANNELIZING DEVICES SHALL BE USED TO FORM THE TAPER ON THE SHOULDER. CONES, DRUMS, OR BARRICADES SHALL BE SPACED AT 50 FOOT CENTERS. CONES MAY BE SUBSTITUTED FOR BARRICADES OR **DRUMS FOR THE LANE** CLOSURES DURING DAYLIGHT HOURS. (SEE NOTE 10)

6. TYPE C STEADY BURNING BARRICADE WARNING LIGHTS SHALL BE ERECTED ON DRUMS OR BARRICADES FOR NIGHT LANE CLOSURES. MAXIMUM SPACING SHALL BE 50' CENTER TO CENTER IN ADVANCE OF THE WORK AREA AND 200' CENTER TO CENTER WITHIN THE LIMITS OF THE WORK AREA.

7. TAPER FORMULAE:

$L = S \times W$ FOR SPEEDS OF 45 OR MORE.
$L = WS^2/60$ FOR SPEEDS OF 40 OR LESS.

WHERE:

L = MINIMUM LENGTH OF TAPER.
S = NUMERICAL VALUE OF POSTED SPEED LIMIT PRIOR TO WORK OR 85 PERCENTILE SPEED.
W = WIDTH OF OFFSET.

8. WHEN CREATING A TEMPORARY GORE, CHANNELIZING DEVICES SHOULD BE SPACED 25' CENTER TO CENTER SO AS TO CREATE A "SOLID GORE" **EFFECT.**

9. THE SPACINGS BETWEEN CONSTRUCTION AND MAINTENANCE SIGNS SHOWN ON THIS DETAIL MAY REQUIRE ADJUSTMENTS (INCREASES OR DECREASES) TO ASSURE THAT THEY ARE POSITIONED NO CLOSER THAN 200 FEET TO EXISTING SIGNS AS DETERMINED BY THE ENGINEER.

OHIO DEPARTMENT OF TRANSPORTATION

LANE CLOSURE AT EXIT GORE

DATE 8-3-79

7K-4

Rev. EEF 9/84

MICROFILMED
DEC 18 1985

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

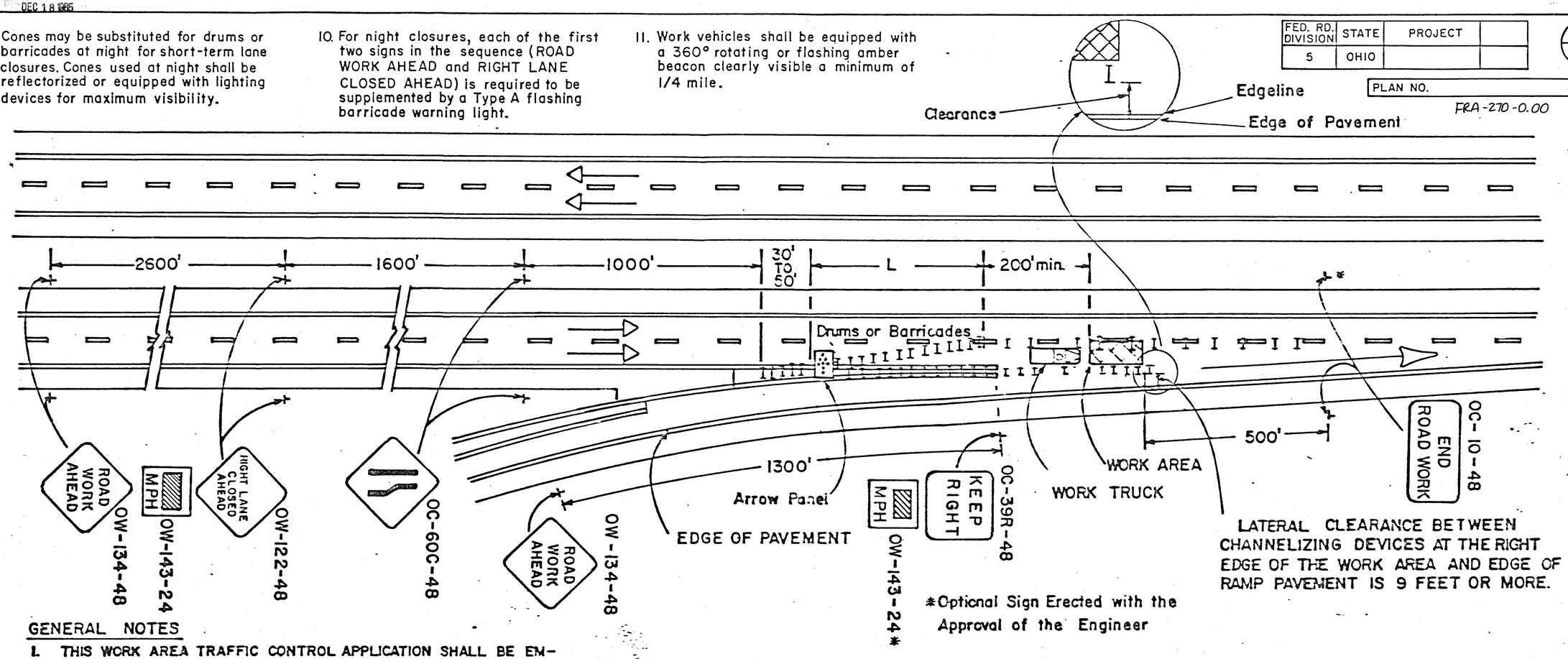
PLAN NO.

FRA-270-0.00

9. Cones may be substituted for drums or barricades at night for short-term lane closures. Cones used at night shall be reflectorized or equipped with lighting devices for maximum visibility.

10. For night closures, each of the first two signs in the sequence (ROAD WORK AHEAD and RIGHT LANE CLOSED AHEAD) is required to be supplemented by a Type A flashing barricade warning light.

11. Work vehicles shall be equipped with a 360° rotating or flashing amber beacon clearly visible a minimum of 1/4 mile.



GENERAL NOTES

1. THIS WORK AREA TRAFFIC CONTROL APPLICATION SHALL BE EMPLOYED WHEN THE LATERAL CLEARANCE BETWEEN THE CHANNELIZING DEVICES AT THE RIGHT EDGE OF THE WORK AREA AND THE EDGE OF THE RAMP PAVEMENT IS 9 FEET OR MORE. WHEN THE CLEARANCE IS LESS THAN 9 FEET, THE TRAFFIC CONTROL ON "LANE CLOSURE AT ENTRANCE RAMP: PLAN B" SHOULD BE USED, OR THE RAMP SHOULD BE CLOSED, OR ALLOWING RAMP TRAFFIC TO USE THE BERM SHOULD BE CONSIDERED PROVIDED THE OPERATION IS "SHORT" IN DURATION. WHEN THE RAMP IS CLOSED, APPROPRIATE DETOUR SIGNS SHALL BE PROVIDED.

2. THIRTEEN (13) DRUMS OR BARRICADES SHALL BE USED TO FORM THE LANE TRANSITION TAPER IN ADVANCE OF THE WORK AREA. FIVE (5) CHANNELIZING DEVICES SHALL BE USED TO FORM THE TAPER ON THE SHOULDER. CONES, DRUMS, OR BARRICADES SHALL BE SPACED AT 50 FOOT CENTERS. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS FOR THE LANE CLOSURES DURING DAYLIGHT HOURS. (See note 9)

3. RAMP SIGNS SHALL BE DUAL MOUNTED ON MULTILANE RAMPS.

4. THE FLASHING ARROW PANEL SHALL BE IN ACCORDANCE WITH OMUTCD, SECTION 7G-8.

5. THE WORK TRUCK SHOWN AT THE BEGINNING OF THE WORK AREA SHALL BE IN PLACE AND UNOCCUPIED WHENEVER MEN ARE WORKING WITHIN THE WORK AREA. THIS TRUCK SHALL BE MOVED FROM THE PAVEMENT WHENEVER WORKMAN ARE NOT IN THE WORK AREA. OTHER PROTECTIVE DEVICES MAY BE USED IN LIEU OF WORK TRUCK SHOWN WHEN APPROVED BY THE ENGINEER. A TRUCK MOUNTED IMPACT ATTENUATOR MAY BE EMPLOYED.

6. TYPE C STEADY BURNING BARRICADE WARNING LIGHTS SHALL BE ERECTED ON DRUMS OR BARRICADES FOR NIGHT LANE CLOSURES. MAXIMUM SPACING SHALL BE 50' CENTER TO CENTER IN ADVANCE OF THE WORK AREA AND 200' CENTER TO CENTER WITHIN THE LIMITS OF THE WORK AREA.

7. TAPER FORMULAE:

$L = S \times W$ FOR SPEEDS OF 45 OR MORE.
$L = WS^2/60$ FOR SPEEDS OF 40 OR LESS.

WHERE:

L = MINIMUM LENGTH OF TAPER.
S = NUMERICAL VALUE OF POSTED SPEED LIMIT PRIOR TO WORK OR 85 PERCENTILE SPEED.
W = WIDTH OF OFFSET.

8. THE SPACINGS BETWEEN CONSTRUCTION AND MAINTENANCE SIGNS SHOWN ON THIS DETAIL MAY REQUIRE ADJUSTMENTS (INCREASES OR DECREASES) TO ASSURE THAT THEY ARE POSITIONED NO CLOSER TNAN 200 FEET TO EXISTING SIGNS AS DETERMINED BY THE ENGINEER.

OHIO DEPARTMENT OF TRANSPORTATION

LANE CLOSURE AT ENTRANCE RAMP: PLAN A

DATE 8-3-79

7K-5

Rev. EEF 9/84

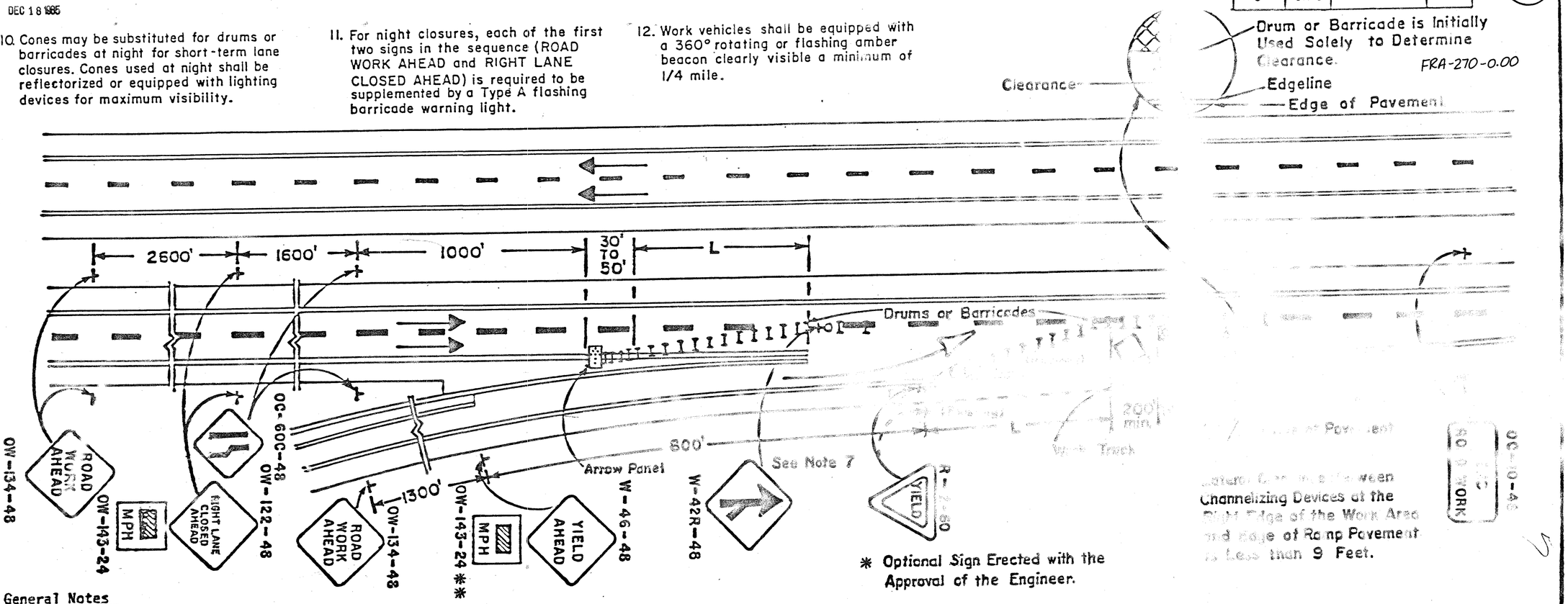
MICROFILMED
DEC 18 1985

PLAN NO.	FED. RD. DIVISION	STATE	PROJECT	
	5	OHIO		

10. Cones may be substituted for drums or barricades at night for short-term lane closures. Cones used at night shall be reflectorized or equipped with lighting devices for maximum visibility.

11. For night closures, each of the first two signs in the sequence (ROAD WORK AHEAD and RIGHT LANE CLOSED AHEAD) is required to be supplemented by a Type A flashing barricade warning light.

12. Work vehicles shall be equipped with a 360° rotating or flashing amber beacon clearly visible a minimum of 1/4 mile.



* Optional Sign Erected with the Approval of the Engineer.

General Notes

1. This work area traffic control application shall be employed when the lateral clearance between channelizing devices at the right edge of the work area and the edge of the ramp pavement is less than 9 feet. When the clearance is more than 9 feet, the traffic control on "Lane Closure at Entrance Ramp: Plan A" should be used, or the ramp should be closed. When the ramp is closed, appropriate detour signs shall be provided.

2. Thirteen (13) drums or barricades shall be used to form the lane transition taper in advance of the work area. Five (5) channelizing devices shall be used to form the taper on the shoulder. Cones, drums, or barricades shall be spaced at 50 foot centers. Cones may be substituted for barricades or drums for the lane closures during daylight hours. (See note 10)

3. Ramp signs shall be dual mounted on multi-lane ramps. When the ramp is not long enough to allow placement as specified above, the signs may be spaced proportionately within the space available as determined by the Engineer (a 200' minimum spacing must be maintained).

4. The flashing arrow panel shall be in accordance with OMUTCD Section 7G-8.

5. The work truck shown at the beginning of the work area shall be in place and unoccupied whenever men are working within the work area. This truck shall be moved from the pavement whenever workmen are not in the work area. Other protective devices may be used in lieu of work truck shown when approved by the Engineer.

6. Type C steady burning barricade warning lights shall be erected on drums or barricades for night lane closures. Maximum spacing shall be 50' center to center in advance of the work area and 200' center to center within the limits of the work area.

7. It may be necessary to move the location of an existing Yield condition. In these cases, the permanent R-2 sign installation [illegible] be covered and the temporary installation shall [illegible] mounted upon a drive post which shall be banded [illegible] down with stainless steel strapping material [illegible] other techniques subject to the approval of the Engineer.

8. Taper Formulae:

   L = S x W for Speeds of 45 or more
   L = $WS^2/60$ for Speeds 40 or less

   Where:

   L = Minimum length of taper
   S = Numerical value of posted speed prior to work or 85 percentile speed
   W = Width of offset.

9. THE SPACINGS BETWEEN CONSTRUCTION AND MAINTENANCE SIGNS SHOWN ON THIS DETAIL MAY REQUIRE ADJUSTMENTS (INCREASES OR DECREASES) TO ASSURE THAT THEY ARE POSITIONED NO [illegible] THAN 200 FEET TO EXISTING SIGNS AT DIRECTION OF THE ENGINEER.

OHIO DEPARTMENT OF TRANSPORTATION

LANE CLOSURE AT ENTRANCE RAMP PLAN B

DATE 3-3-79