MICROFILMED MAY 24 1995

## STATE OF OHIO DEPARTMENT OF TRANSPORTATION

# PRE-70-3.58 and Various

HARRISON, JACKSON, JEFFERSON and MONROE TOWNSHIPS

## PREBLE COUNTY

CONVENTIO	NAL SIGNS
Township Line — — — — — — — — — — — — — — — — — — —	Limited Access (only)  Right of Way (only)  Limited Access & Right of Way — LA&RW —  Existing Right of Way  Property Line — P (in existing fence)-x-P x-Railroad — or — 11111111111111111111111111111111

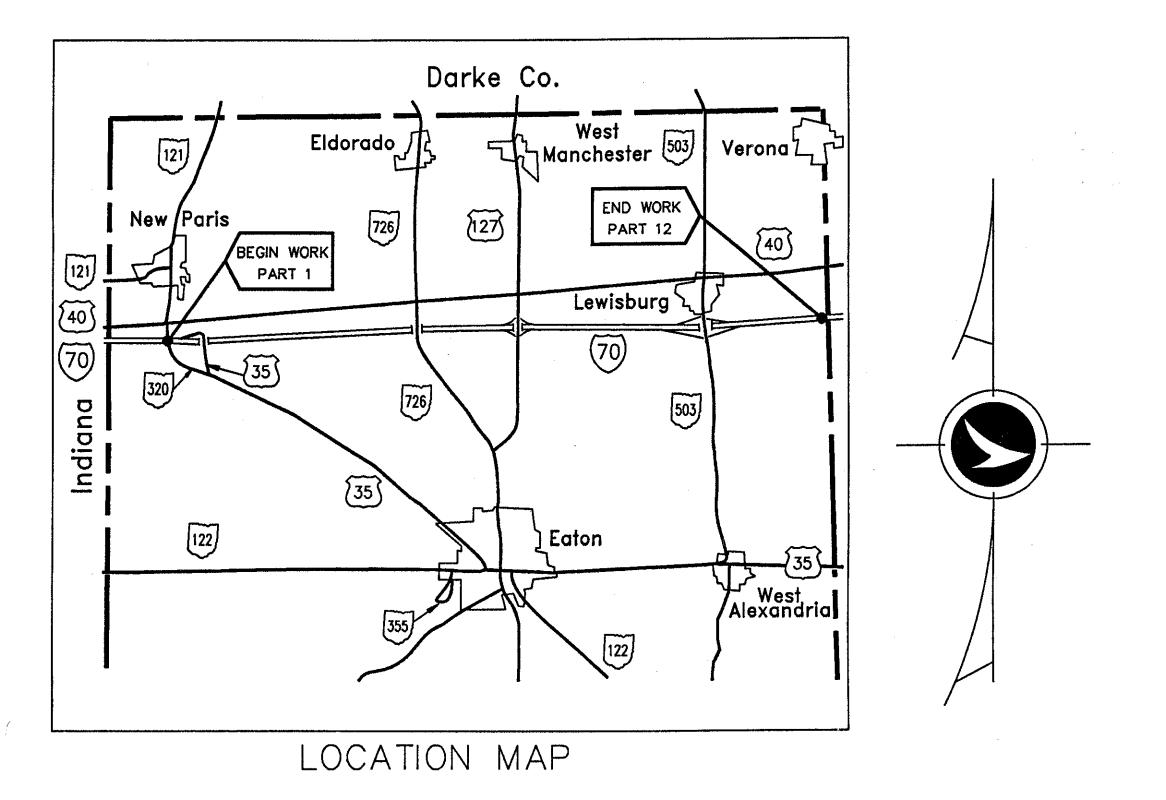
#### INDEX OF SHEETS

Title Sheet Location Plan General Notes and General Summary Line Post Spacing

LINE DATA

Project Length: Work Length:

0.00 Lin.Ft. or 0.000 Miles 6,655 Lin. Ft. or 1.26 Miles



UNDERGROUND UTILITIES TWO WORKING DAYS BEFORE YOU DIG Call 800-362-2764 (Toll Free) OHIO UTILITIES PROTECTION SERVICE NON-MEMBERS MUST BE CALLED DIRECTLY

SUPPLEME	NTAL SPECIFICATIONS
852	6-10-87
952	6-10-87 12-14-88
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-1-90	2-1-92			
-95.31	10-10-88			
<del>-97.10</del>	4-29-88			
-35.10	8-29-84			
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PRE-70-3.58 and Var.FHWA REGION **FEDERAL** PROJECT

STATE FUNDING

Limited Access

This improvement is especially designed for through traffic and has been declared a limited access highway or freeway by action of the Director in accordance with the provisions of Section 5511.02 of the Revised Code of Ohio.

#### VANDAL PROTECTION FENCE

#### 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 \_\_\_\_\_\_\_ M.K. Deputy Director of Transportation

Approved BD Handlemmis Date 8-21-92 Engineer, Bureau of Bridges and Structural Design

Approved \_\_\_\_\_\_\_\_\_ Chief Engineer, Planning and Design

Plan Prepared By:

OHIO DEPARTMENT OF TRANSPORTATION DISTRICT 8 BRIDGE DEPT.

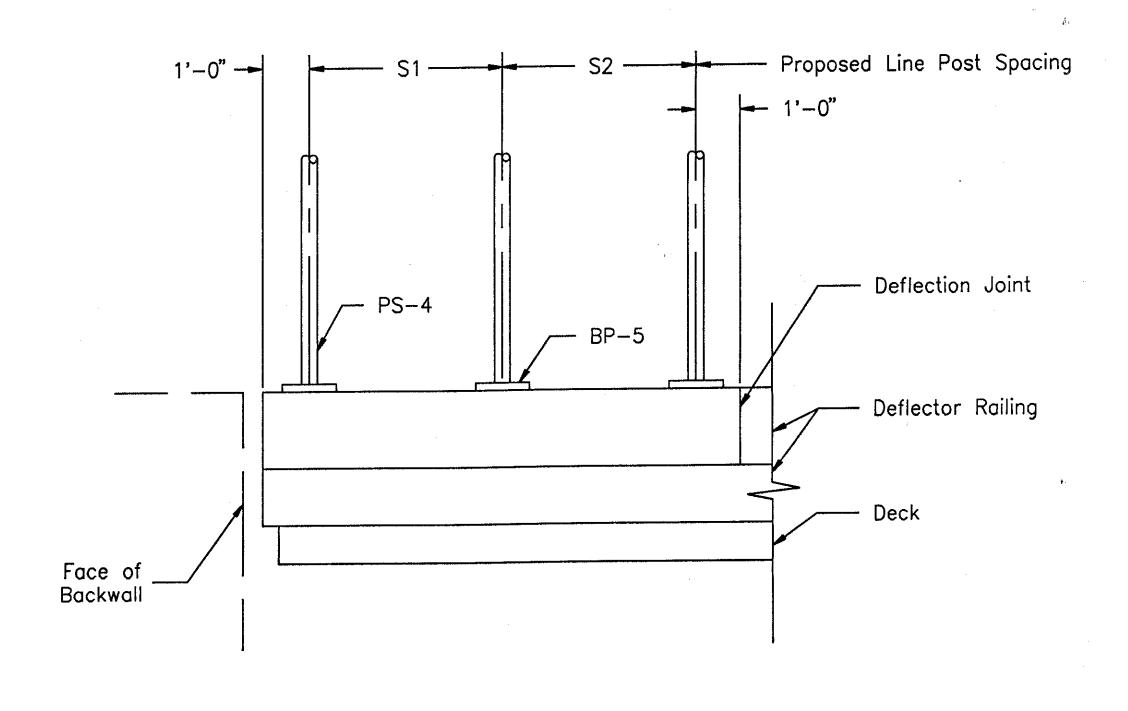
Project: PRE-70-3.58 and Various Date of Letting\_\_\_ \_19\_\_Contract No.\_

SEAL

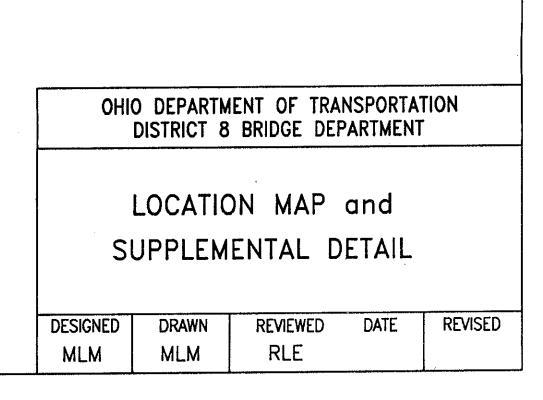
FHWA REGION	STATE	PROJECT	((2)
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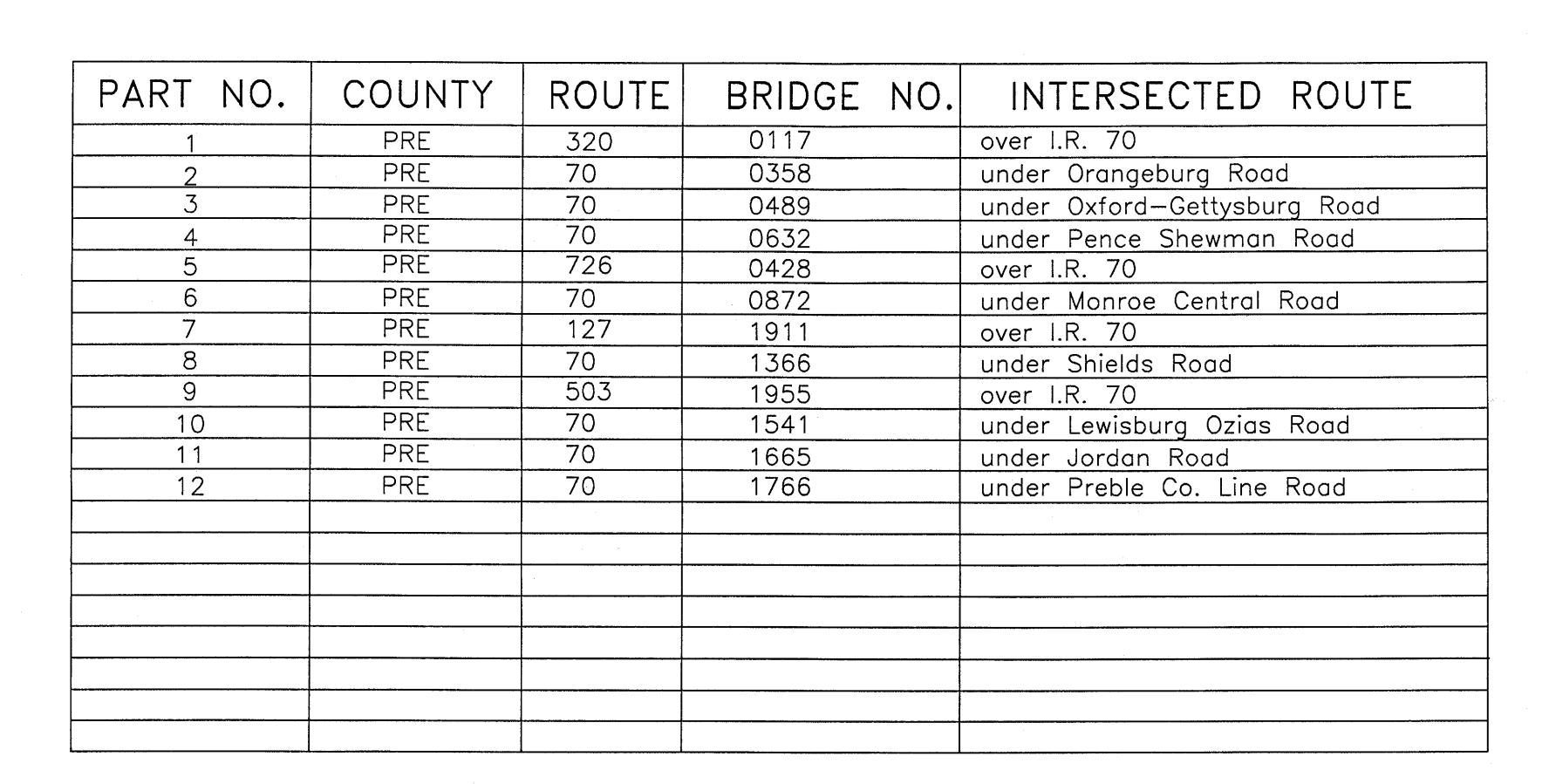
PRE-70-3.58 and Various

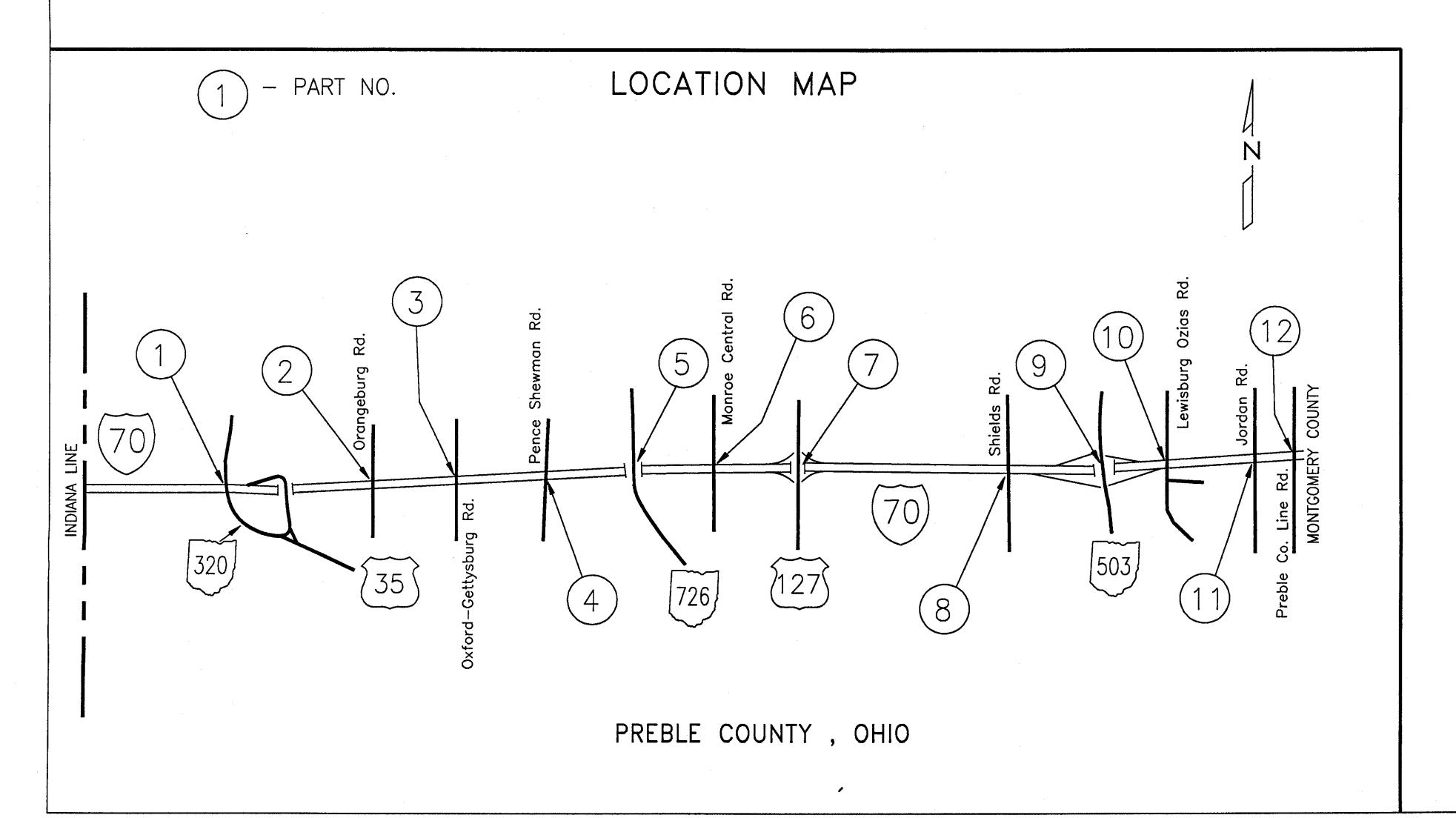
### SUPPLEMENTAL DETAIL



OUTSIDE ELEVATION - DEFLECTOR RAILING







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#### GENERAL NOTES

### PRE-70-3.58 and Various

#### PROPOSED WORK includes the following:

- 1. Install temporary traffic control devices as directed by the Project Engineer.
- 2. Layout and install proposed base plates for fence posts on existing concrete railing.
- 3. Install vandal protection fence fabric.
- 4. Remove temporary traffic control devices and restore normal traffic pattern.

#### **DESIGN STRESSES:**

Threaded anchors for base plates are designed for a minimum concrete strength of fc=4000 psi. Special designs are required for concrete strength less than this amount.

EXISTING STRUCTURE VERIFICATION: Details and dimensions shown on these plans pertaining to the existing structure have been obtained from plans of the existing structure and from field observations and measurements. Consequently, they are indicative of the existing structure and the proposed work but they shall be considered tenative and approximate. The Contractor is referred to CMS Sections 102.05 and 105.02. Contract bid prices shall be based upon a recognition of the uncertainties described above and upon a prebid examination of the existing structure by the Contractor. However, all project work shall be based upon actual details and dimensions which have been verified by the Contractor in the field. Plans of the existing bridge are available for reference at the District 8 Office of the Ohio Department of Transportation, Lebanon, Ohio.

#### ITEM SPECIAL - VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC

This item shall include furnishing all materials, labor, equipment and incidentals necessary to install vandal protection fence on the existing concrete bridge railing.

The work shall be performed in accordance with Items 517 and 607 of the Specifications and Standard Drawing No. VPF-1-90 except where modified herein:

- 1. Expansion sleeves shall be installed in the line rails and the top rail at every expansion joint in the bridge, and at 100 ft. intervals in the top rail.
- 2. A drainage opening shall be left in the caulked joint at the base plate/concrete railing interface.
- 3. The proposed line spacing of fence posts shown on the plan sheets was obtained from the original plan drawings. They are included to enable the Contractor to make a reasonable estimate of the material required; however, they should be considered approximate. Prior to drilling the holes for the base plates, the location of the fence posts shall be carefully laid out and adjusted as necessary to achieve the clearances shown on the Standard Drawings between the fence posts and the existing aluminum railing posts and/or concrete deflection joints.
- 4. Post section PS-4, as shown on Standard Drawing VPF-1-90 Sheet 4/5, shall have a bottom rail and the fence located on the traffic side of the post.
- 5. Care shall be taken not to damage the existing barrier reflectors. Any reflectors damaged by the Contractor's operations, shall be replaced in kind at his expense.
- 6. Any concrete that is spalled or otherwise damaged by the installation of the vandal fence shall be

6. Cont'd.

repaired by patching with a trowelable epoxy mortar. The patching shall be performed at the direction of the Project Engineer and in accordance with the Manufacturer's recommendations.

#### MAINTAINING TRAFFIC:

At least one 11 ft. wide lane of traffic in shall be maintained at all times using the existing pavement. No traffic will be diverted onto the existing paved shoulder. Any deviations from the normal traffic pattern must be approved by the Project Engineer prior to implementation. All lane and shoulder restrictions must be removed at the end of each work day and the normal traffic pattern restored. The requirements of the Ohio Manual of Uniform Traffic Control Devices for Streets and Highways shall be strictly adhered to.

Payment for this item includes all work that is necessary to provide, erect, maintain, and remove all traffic signs, drums, barricades, cones and other devices, flagmen and any other work that is necessary to safely maintain traffic through the work zone.

SHEET 4	SHEET 5	ITEM	ITEM EXTEN.	GRAND TOTAL	UNIT	DESCRIPTION
4990	1665	Spec.	60739900	6655	L.F.	Vandal protection fence, 6' straight, coated fabric
		624	10000	LUMP		Mobilization
		614	11000	LUMP	, i	Maintaining Traffic

OHIO DEPARTMENT OF TRANSPORTATION
DISTRICT 8 BRIDGE DEPARTMENT

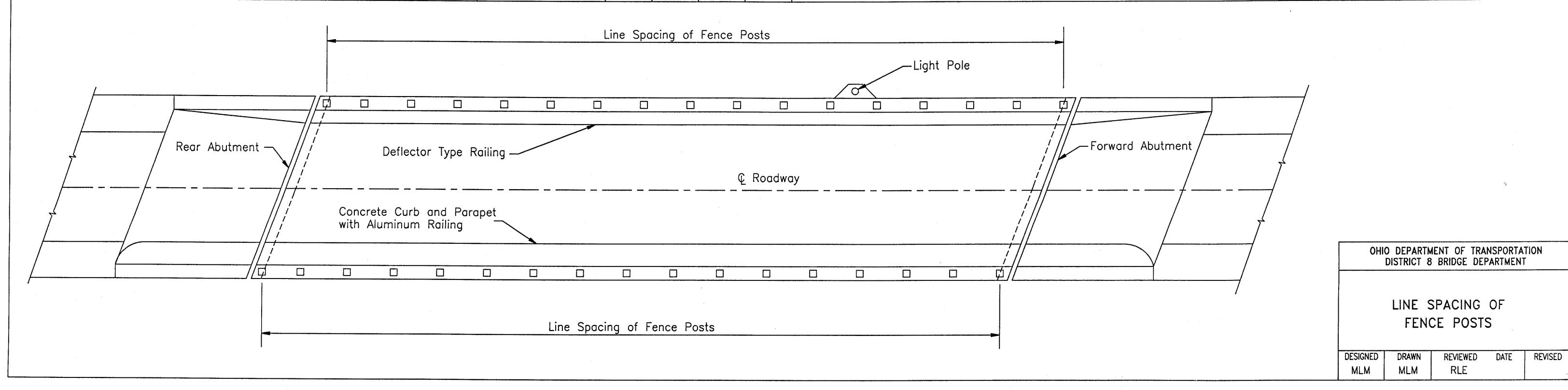
GENERAL SUMMARY and
GENERAL NOTES

DESIGNED	DRAWN	REVIEWED	DATE	REVISED
MLM	MLM	RLE		

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## PRE-70-3.58 and Various

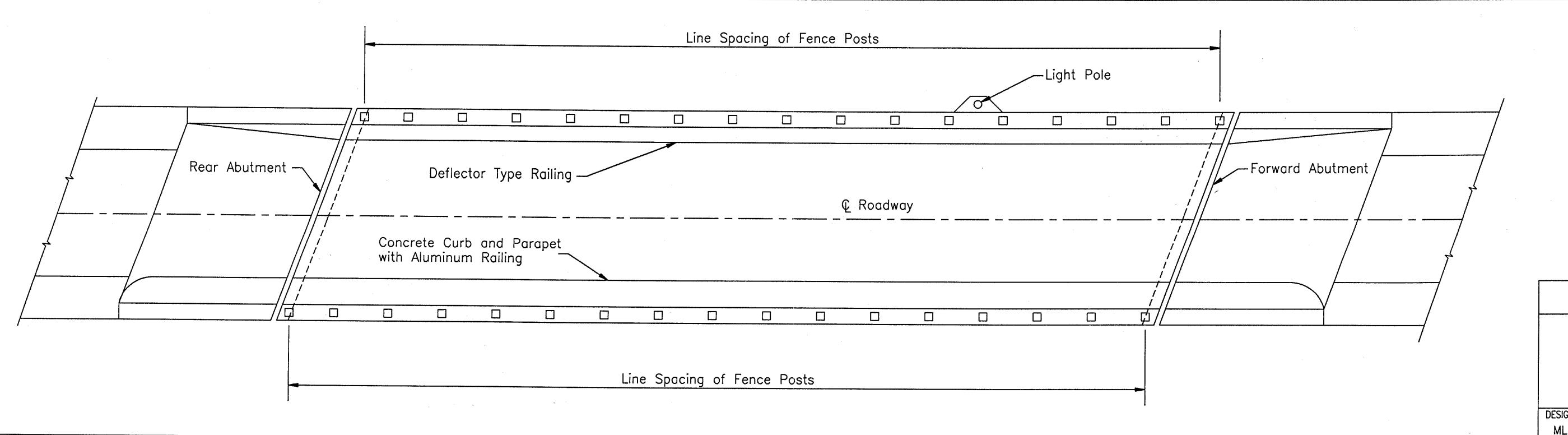
BRIDGE NO.	CARRYING	OVER	FENCE SIDE	EXISTING RAIL TYPE	PROPOSED BASE PL. TYPE	REMOVE & REINSTALL EX. RAIL	CURB- WALK WIDTH	PROPOSED POST TYPE	LINE SPACING FOR FENCE POSTS		V.P.F. ,6 ft. STRAIGHT
PRE-320-0117	S.R. 320	I.R. 70	West	Refaced	BP-5	N/A	None	PS-4	2@6'-6", 28@8'-11 1/2", 2@7'-6"	:	278.88
			East	Refaced	BP-5	N/A	None	PS-4	2@6'-6", 28@8'-11 1/2", 2@7'-6"		278.88
PRE-70-0358	Orangeburg Rd.	I.R. 70	West	Refaced	BP-5	N/A	None	PS-4	2@6'-3 1/4", 28@8'-11", 2@7'-3 1/4"		276.84
			East	Refaced	BP-5	N/A	None	PS-4	2@6'-3 1/4", 28@8'-11", 2@7'-3 1/4"		276.84
PRE-70-0489	Oxford—Gettysburg Rd.	I.R. 70	West	Refaced	BP-5	· · · · · · · · · · · · · · · · · · ·		PS-4	2@9'-9 3/4", 32@8'-0", 2@10'-4 1/2"		296.37
			East	Refaced	BP-5	N/A	None	PS-4	2@9'-4 1/2", 32@8'-0", 2@10'-4 1/2"		295.50
PRE-70-0632	Pence-Shewman Rd.	I.R. 70	West	Refaced	BP-5	N/A	None	PS-4	2@6'-3", 28@8'-11", 2@7'-3"		276.76
			East	Refaced	BP-5	N/A	None	PS-4	2@6'-3", 28@8'-11", 2@7'-3"		276.76
PRE-726-0428	S.R. 726	I.R. 70	West	Refaced	BP-5	N/A	None	PS-4	2@6'-3 1/4", 28@8'-11", 2@7'-3 1/4"		276.75
			East	Refaced	BP-5	N/A	None	PS-4	2@6'-3 1/4", 28@8'-11", 2@7'-3 1/4"		276.75
PRE-70-0872	Monroe Central Rd.	I.R. 70	West	Refaced	BP-5	N/A	None	PS-4	2@6'-3 1/4", 28@8'-11", 2@7'-3 1/4"		276.75
			East	Refaced	BP-5	N/A	None	PS-4	2@6'-3 1/4", 28@8'-11", 2@7'-3 1/4"		276.75
PRE-127-1911	U.S. 127	I.R. 70	West	Refaced	BP-5	N/A	None	PS-4	2@5'-5 1/2", 32@7'-11", 2@6'-5"		277.20
			East	Refaced	BP-5	N/A	None	PS-4	2@5'-5", 32@7'-11", 2@6'-5 1/2"	·	277.20
PRE-70-1366	Shields Rd.	I.R. 70	West	Refaced	BP-5	N/A	None	PS-4	2@6'-4", 28@8'-10 1/2", 2@7'-4"		275.82
			East	Refaced	BP-5	N/A	None	PS-4	2@6'-4", 28@8'-10 1/2", 2@7'-4"		275.82
PRE-503-1955	S.R. 503	I.R. 70	West	Refaced	BP-5	N/A	None	PS-4	2@5'-6", 30@7'-10 1/2", 2@6'-6"	·	260.25
			East	Refaced	BP-5	N/A	None	PS-4	2@5'-6", 30@7'-10 1/2", 2@6'-6"		260.25
										TOTAL THIS SHEET	4990.37 L.F.



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## PRE-70-3.58 and Various

BRIDGE NO.	CARRYING	OVER	FENCE SIDE	EXISTING RAIL TYPE	PROPOSED BASE PL. TYPE	REMOVE & REINSTALL EX. RAIL	CURB- WALK WIDTH	PROPOSED POST TYPE	LINE SPACING FOR FENCE POSTS	V.P.F. ,6 ft STRAIGHT
PRE-70-1541	Lewisburg—Ozias Rd.	I.R. 70	West	Refaced	BP-5	N/A	None	PS-4	2@6'-0", 28@8'-8 1/2", 3@7'-7 1/2"	278.76
8			East	Refaced	BP-5	N/A	None	PS-4	2@6'-0", 28@8'-8 1/2", 3@7'-7 1/2"	278.76
PRE-70-1665	Jordan Rd.	I.R. 70	West	Refaced	BP-5	N/A	None	PS-4	2@5'-10", 30@8'-4 1/2", 2@6'-10"	276.57
			East	Refaced	BP-5	N/A	None	PS-4	2@5'-10", 30@8'-4 1/2", 2@6'-10"	276.57
PRE-70-1766	Preble Co. Line Rd.	I.R. 70	West	Refaced	BP-5	N/A	None	PS-4	2@5'-10 1/2", 30@8'-4 1/2", 2@6'-10 1/2"	276.90
		***	East	Refaced	BP-5	N/A	None	PS-4	2@5'-10 1/2", 30@8'-4 1/2", 2@6'-10 1/2"	276.90
									TOTAL THIS SHEET  TOTAL FROM SHEET NO 4	1664.46 4990.37
									TOTAL (Carried to General Summary)	<u> </u>



OHIO DEPARTMENT OF TRANSPORTATION DISTRICT 8 BRIDGE DEPARTMENT

LINE SPACING OF FENCE POSTS

IGNED	DRAWN	REVIEWED	DATE	REVISED
LM	MLM	RLE		