

1-A  
5

GENERAL NOTES

**LAK-90-1.71**  
**LAKE COUNTY**  
**CITY OF WICKLIFFE**  
**VILLAGE OF WILLOUGHBY HILLS**

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	STATE	

**LAKE COUNTY**  
**LAK-90-1.71**

1  
6

**ITEM 615 TEMPORARY ROADS:**

TEMPORARY ROADS SHALL NOT BE PLACED INTO SERVICE PRIOR TO APRIL 15, 1971.

**SPECIFICATIONS:** All materials and items of work shall conform to the Construction and Materials Specifications, State of Ohio, Department of Highways, dated January 1, 1969, and all other specifications as herein noted or included in the proposal.

**SUPPLEMENTAL SPECIFICATIONS:** Reference shall be made to Supplemental Specification 811, dated January 1, 1969.

**TRAFFIC MAINTENANCE:**

In addition to the requirements of this traffic maintenance note, the requirements of the 1969 Construction and Material Specifications and the Manual of Uniform Traffic Control Devices shall apply except as herein modified.  
A schedule of operations shall be submitted in writing to the Director and approval obtained in writing before construction is started.

**ROCKEFELLER ROAD TRAFFIC:**

Rockefeller Road shall be closed to traffic over the bridge prior to the beginning of shoring operations and for the duration of the work. The Contractor shall provide, erect and maintain barricades, together with suitable and sufficient lights located at least 50 feet north and 50 feet south of the bridge limits on Rockefeller Road. Payment for this work shall be included in the lump sum price bid for "Maintaining Traffic".

The Ohio Department of Highways shall arrange to detour traffic from Rockefeller Road. Traffic control and routing signs shall be erected and maintained by the State of Ohio.

**INTERSTATE ROUTE 90 TRAFFIC:**

Two-way, two-lane traffic shall be maintained on Interstate Route 90 at all times by the use of existing pavement and temporary roadways. The limits and duration of use of temporary roadways shall be held to an absolute minimum, and in all cases shall be subject to the approval of the Engineer.

The Ohio Department of Highways specifically reserves the right to direct the Contractor to make any adjustments in the traffic control facilities necessary for the proper maintenance and safety of traffic. Such changes shall be made at no additional cost to the State.

At least two uniformed special duty state highway patrolmen or authorized municipal police officers, equipped with marked and flasher-equipped official police or patrol cars, shall be on duty at all times and shall generally locate themselves and their police cars off the traveled surface of the highway, one just in advance of the lane merger at Sta. 159+70 and one at Sta. 157+00 and shall direct and assist traffic in merging and maneuvering required to avoid the closed area and shall take care that the open pavement remains free of obstructions and that traffic moves steadily thru the area. The Contractor shall pay directly to the police officers or police agency any cost involved.

From Sta. 0+00 to Sta. 18+83.36 the temporary roadway as illustrated in the Plan View - Temporary Run-around shall be edge lined and center lined with white reflectorized 4" pavement marking tape. In addition from that point where the westbound traffic crosses over onto the existing east bound pavement to the point where it leaves, the adjacent eastbound and westbound lanes shall both be edge lined with separate 4" yellow reflectorized marking tape separated by the edge lining previously prescribed.

All existing pavement markings which conflict with the desired channelization for lane closures, mergers, and other diversions of traffic as prescribed in these plans shall be removed for the duration of the project and upon completion shall be restored to their original condition.

All material, and all labor and equipment necessary for the provision and removal of all traffic control measures, shall be furnished by the Contractor. Upon completion of all work involved in this contract, the Contractor shall restore all traffic control devices to their condition prior to the beginning of any work.

All traffic control devices, except those erected and maintained by the State of Ohio, and all temporary barrels and temporary guard rail on barrels shall be included in the lump sum price bid for Item 614, Maintaining Traffic.

**STRUCTURAL STEEL PAINTING:** All new structural steel shall be shop painted in accordance with 514. All new and existing structural steel beams and crossframes shall be painted according to 514 and within the limits defined under Proposed Repair Work.

**EPOXY RESIN MORTAR** for use where epoxy grout is specified under Proposed Repair Work shall consist of a polysulfide epoxy resin system meeting the requirements of AASHTO M 200-G5, Type A. Aggregate or filler for epoxy mortar shall consist of silica sand meeting the M200-G5 requirements and mixing proportions shall conform to the epoxy manufacturer's recommendations for the type and extent of work to be performed. Epoxy mortar application is called for under the Proposed Repair Work items for grout filling of concrete voids and repair of spalled concrete areas.

PLANS OF THE EXISTING STRUCTURE may be inspected at the Highway Department Division Office in Cleveland or at the Central Office in Columbus.

**SIGN DIMENSIONS AND SPECIFICATION,** including letter sizes, shall be as provided in the Ohio Manual of Uniform Traffic Control Devices or in sign design drawings provided by the Department of Highways.

**CONES:** Standard rubber or plastic traffic cones shall be used. They shall be at least 24" high and shall be Da-Glow red in color. All cones shall have weighted bases.

**SIGN POSTS** shall be of sufficient size and height as to support the signs at the height indicated in the typical drawings. These shall also be adequate in mass and stability to prevent the signs being blown over by wind or vehicular generated air turbulence.

**BARRELS** shall be 55 gallon steel drums painted with yellow enamel. These shall be substantially free from rust and major deformities.

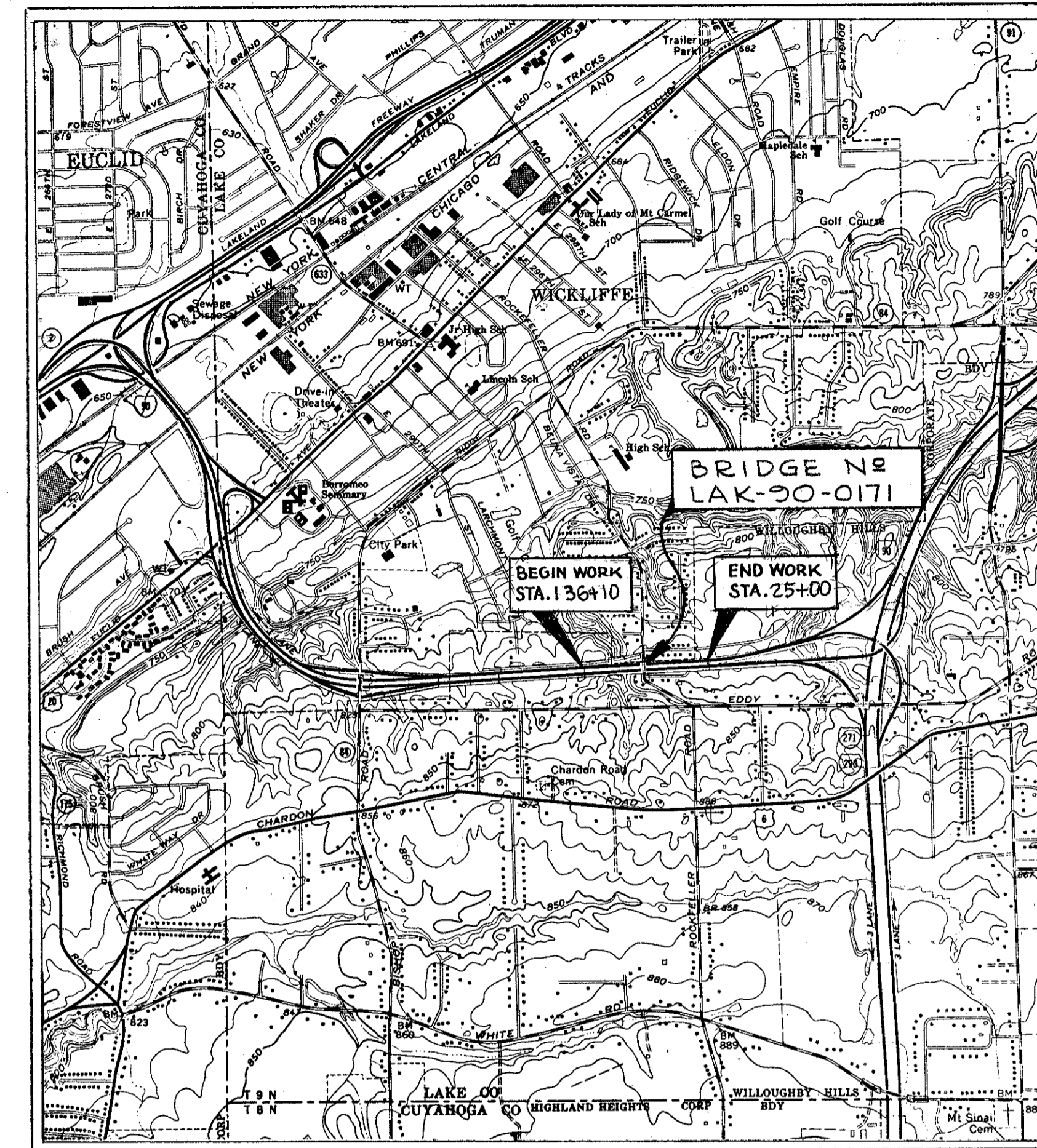
**LANE TAPE:** Temporary pavement marking material shall be 4" reflectorized "Scotch-Lane" brand pavement marking tape, manufactured by 3M Company, or equal. Application shall be as per manufacturer's directions.

**LIGHTING DEVICES:** Flashers shall be 12 volt battery operated models with minimum 7" diameter amber lenses, illuminated by rapid intermittent flashes of short duration. Continuous burn lights shall be 12 volt battery operated models with minimum 7" diameter amber lenses. They shall be single faced and erected with the face clearly visible to oncoming traffic.

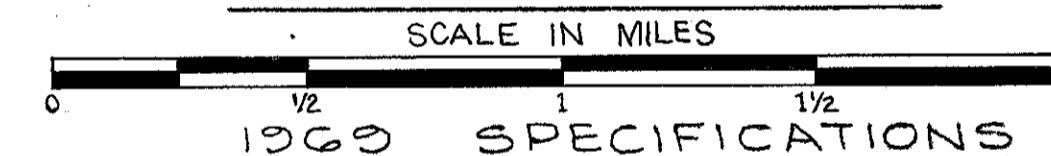
**ITEMS 659:** Estimated quantities of Seeding and Mulching and Commercial Fertilizer (12-12-12) are provided for use in restoring grass areas disturbed by construction of the temporary road and any other areas as directed by the Engineer.

ESTIMATED QUANTITIES			
Item	Quantity	Unit	Description
301	63	Cu. yd.	Bituminous aggregate base, 702.01 (85-100) or
304	147	Cu. yd.	Aggregate base 702.09, RT-11 or RT-12
310	121	Cu. yd.	Subbase
409	227	Gal.	Seal coat bituminous material, as per plan
409	6	Cu. yd.	Seal coat cover aggregate N28
659	0.39	Ton	Commercial Fertilizer (12-12-12)
615	Lump	Sum.	Temporary roads
615	3487	Sq. yd.	Temporary pavement, Class A
659	4300	Sq. yd.	Seeding and mulching
Special	Lump	Sum.	Repair of existing superstructure, as per plan.
614	Lump	Sum.	Maintaining Traffic

SUPPLEMENTAL PRINTS OF STANDARD CONSTRUCTION DRAWINGS		
GR-2A	1-1-67	
MC-3	6-20-69	



LOCATION PLAN



The standard specifications of the State of Ohio, Department of Highways, including changes and supplemental specifications listed in the proposal, shall govern this improvement.

I hereby approve these plans and declare that making of this improvement will require the closing to traffic of Rockefeller Road and will not require the closing to traffic of IR-90, except as noted on Sheet 1, and that provisions for the maintenance and safety of traffic will be as set forth on the plans and estimates.

Approved: *Charles M. Yurich*  
Date: 8-11-70 Division Deputy Director

Approved: *C. A. Alvarado*  
Date: 8-26-70 Engineer of Bridges

Approved: *R. E. Butler*  
Date: 9-23-70 Engineer Location & Design

Approved: *Kenneth J. Thormann*  
Date: 9-23-70 Deputy Director of Design & Construction

Approved: *Thomas W. Major*  
Date: Deputy Director of Planning & Programming

Approved: *R. E. Wilson*  
Date: First Assistant Director

Approved: *R. E. Wilson*  
Date: Director of Highways

SUPPLEMENTAL SPECIFICATIONS		
811	1-1-69	

00449



LINE DATA

PROJECT LENGTH - 0.002 For 0.000 Mi.  
 BEGIN WORK STA. 136+10  
 END WORK STA. 25+00 (RAMP D)  
 EQUATION STA. 162+08.39BK=STA. 10+00 AHD.  
 EQUATION STA. 14+38.54BK (MAIN LINE)=  
 STA. 4+38.54 AHD (RAMP D)  
 NET LENGTH = 5098.39 L.F.  
 ADD FOR 9 SIGN LOCATIONS  
 BEYOND WORK LIMITS (9@10 L.F.)=90 L.F.  
 TOTAL NET LENGTH OF  
 WORK = 5188.39 OR 0.982 MI.

INDEX		Sheet
Title, General Notes		1
Estimated Quantities		1
Bridge Superstructure Repairs		2
Temporary Roads		3
Signing		4
Cross-sections		5 & 6

STATE OF OHIO  
DEPARTMENT OF HIGHWAYS  
DIVISION OF DESIGN AND CONSTRUCTION  
BUREAU OF BRIDGES

LOCATION PLAN AND GENERAL NOTES						
BRIDGE No LAK-90-0171 UNDER ROCKEFELLER RD.						
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
INNES	INNES		HEN	8FG	7-30-70	