

FED. RD. DIST. NO.	STATE	F. A. & C. PROJECT	FISCAL YEAR	30
10	OHIO	FA.&M.70A(1)	1941	50
LAKE COUNTY			S. H. 520	
SEC. PAINESVILLE (PT.)				
GRADE SEPARATION				

### SPECIAL REQUIREMENTS

All of the Contractor's material and equipment shipped on cars will be placed on the nearest available sidetrack to the site of the work.

The Contractor shall pay to the Railroad Company, at established rates, for any work train service or switching service including cost of train crews, pilots, flagmen, or equipment and equipment operators, of any nature furnished by it to the Contractor in connection with carrying out his work.

The Contractor shall perform all work without damage and delay to the trains of the Railroad Company and the Contractor must, and shall observe such reasonable restrictions as to the time and methods of construction as the Railroad Company, or its representative on the ground, may impose, to insure the safety and dispatch of persons and property of, or in the care of, the Railroad Company, and the safe and expeditious operation of its trains. The Railroad Company will maintain train operation during the construction period with such reasonable speed restrictions for train movements in the vicinity of the grade separation project as it may consider necessary, but such provisions shall not be construed as requiring the Railroad Company to stop any of its trains or reduce their speed beyond its normal practice in such matters, whether for the convenience of the Contractor or otherwise.

The Contractor shall not occupy any portion of the main operating tracks of the Railroad, or move construction plant, equipment or materials across main tracks except with specific permission of the District Engineer of the Railroad Company.

The Contractor shall pay to the Railroad Company the cost of protective services and devices made necessary by his operations, as more fully set out in "Special Clauses in the Proposal."

Any of the Contractor's operations which necessitate protection of Railroad traffic shall not be progressed until permission has been received from the District Engineer of the Railroad Company, or his representative, and the Contractor shall observe such regulations pertaining thereto as said Railroad Company may require. If such operations entail expense for temporary operators, conductors, switchmen, flagmen, or other cost necessary for the safe and proper operation of the Railroad Company's trains, the Contractor shall make all necessary arrangements with the Railroad and pay all costs incidental thereto. No provisions of this section or approval by the Railroad Company as to construction operations, shall relieve the Contractor from any or all responsibility and/or liability under this contract.

The Railroad Company will permit the Contractor to occupy and operate over the operated tracks with cars and equipment for the purpose of unloading, setting and erecting steel superstructure on temporary falsework and abutments upon request in writing from the Contractor at least 48 hours in advance of the time such occupancy and operation is desired. All of the Contractor's occupancies of, and operations over, said tracks shall be fully protected by a train crew consisting of an engineer, fireman, conductor and not less than two brakemen, together with such flagmen as may be necessary to protect the particular operations being performed by the Contractor. The cost of this service shall be borne by the Contractor in accordance with Specification S-107.18. Such occupancies and operations shall be under the supervision of Trainmaster or other company representative who will determine at what times said tracks may be occupied and operated over by the Contractor.

### METHOD OF PROCEDURE

#### THE RAILROAD COMPANY WILL:



- Relocate signal from Railroad Station 1481 + 20 to Station 1484 + 75. Remove grade crossing facilities. Furnish all materials for and raise tracks to new grade. Relocate crossover between Track #3 and North Running Track from Railroad Station 1480 to Station 1484. Relocate turnout in Track #4 from Railroad Station 1481 to Station 1483 and cut and throw #1 South Passing Track to connect with the relocated turnout.
- Furnish all materials for and install 4 temporary #10 crossovers east of Railroad Station 1485. Furnish all materials for and place temporary switchtender's shanty opposite Railroad Station 1488.
- Furnish all materials for and make such temporary and permanent changes in signal and interlocking apparatus and telephone and telegraph lines as are necessary.
- Construct temporary bridges for 4 main tracks, performing the necessary excavation therefor, and do all track work in connection therewith, traffic to be detoured over adjacent tracks during working hours only and restored to normal operation at night, except for slow order.
- Take up N.Y.C. North Running and #1 South Passing tracks across street within limits of subway excavation. Furnish all materials for and install bumping posts in temporary location near ends of B.&O. and N.Y.C. side tracks at Richmond Street. Shorten Painesville Electric Light Company spur track and relocate bumping post for same. Furnish all materials for and construct Amesite crossing over B.&O. tracks at end of freight house platform.
- Apply the bracing required for the temporary bridges as the subway excavation progresses. Furnish all labor, materials, etc., necessary for the maintenance of temporary bridges.
- Furnish all materials for and place track, including stone ballast, on the 4 main track bridges erected in temporary location.
- Remove portion of temporary bridges to permit sliding bridges into permanent position. Construct second stage of temporary bridges as soon as permanent bridges are lowered into position, performing all track work in connection therewith.
- Remove remaining portions of temporary bridges, restore track embankment, and restore main tracks.
- Furnish all materials for and place track, including stone ballast, on the North Running and new B.&O. Connecting Track bridges. Furnish all materials for and construct new B. & O. Connecting Track, and shift, raise, and surface northerly B.&O. track to a connection therewith.
- Remove temporary crossovers and temporary switchtender's shanty.
- Furnish all materials for and install a new turnout in #1 South Passing track at Sta. 1484 to connect with turnout relocated in Track #4 from Sta. 1481 to Sta. 1483 to complete the crossover. Relocate bumping posts at ends of B.&O. and N.Y.C. side tracks at Richmond Street to permanent position. Complete the permanent changes in signal and interlocking apparatus and telephone and telegraph lines.

#### THE CONTRACTOR SHALL:

- Provide field office as noted on Sheet #3.
- Furnish all materials at the site for temporary bridges, such materials to be unloaded and piled as directed for convenient use.
- Dispose of all material excavated by Railroad Company.
- Take up the two southerly tracks across street within limits of subway excavation and store the materials.
- Perform the highway excavation, coordinating the work of excavation around the temporary bridge piling with the applying of bracing done by the Railroad Company.
- Perform the structure excavation. Furnish all materials for and construct the concrete masonry abutments, walls, wingwalls and stairway. Furnish and install abutment drains.
- Place porous material back of abutments and walls and restore track embankment to top of supports for second stage of temporary bridges.
- Furnish all materials for and construct falsework for erection of steel superstructure in temporary location. Furnish all materials for and erect steel superstructure for all tracks on falsework in temporary location. Furnish all materials for and construct reinforced concrete slabs, including waterproofing and drain castings, for the 4 main track bridges.
- Slide all bridges into permanent position.
- Furnish all materials for and erect steel superstructure for sidewalk spans and bridge railings in permanent position. Complete abutment backwalls and remaining portions of reinforced concrete slabs for 4 main track bridges. Furnish all materials for and construct reinforced concrete slabs, including waterproofing and drain castings, for North Running and new B.&O. Connecting track bridges, and reinforced concrete slabs on sidewalk spans.
- Remove falsework, sliding in bents, etc., from between abutments. Complete porous material backfilling and restore track embankment to under side of stringers in 4 main tracks and to subgrade for North Running and new B.&O. Connecting Track.
- Complete roadway, pavement, sidewalks, steps, drives, drainage, roadside improvements. Install lighting in subway structure.

#### THE CITY OF PAINESVILLE WILL:

Furnish all materials for and construct temporary and permanent city water lines, and install necessary lighting facilities to connect to those in subway structure, at its own expense. (Sheet No. 12)

Correct   
 Approved   
 Chief Engineer

BR. NO. LA - 283 - 170  
 N. Y. C. R. R.  
 (West of Buffalo)  
 PROPOSED GRADE SEPARATION  
 RICHMOND ST. (S. H. 520)  
 SPECIAL REQUIREMENTS  
 METHOD OF RAILROAD SEPARATION  
 PAINESVILLE, OHIO  
 Office of Chief Engineer