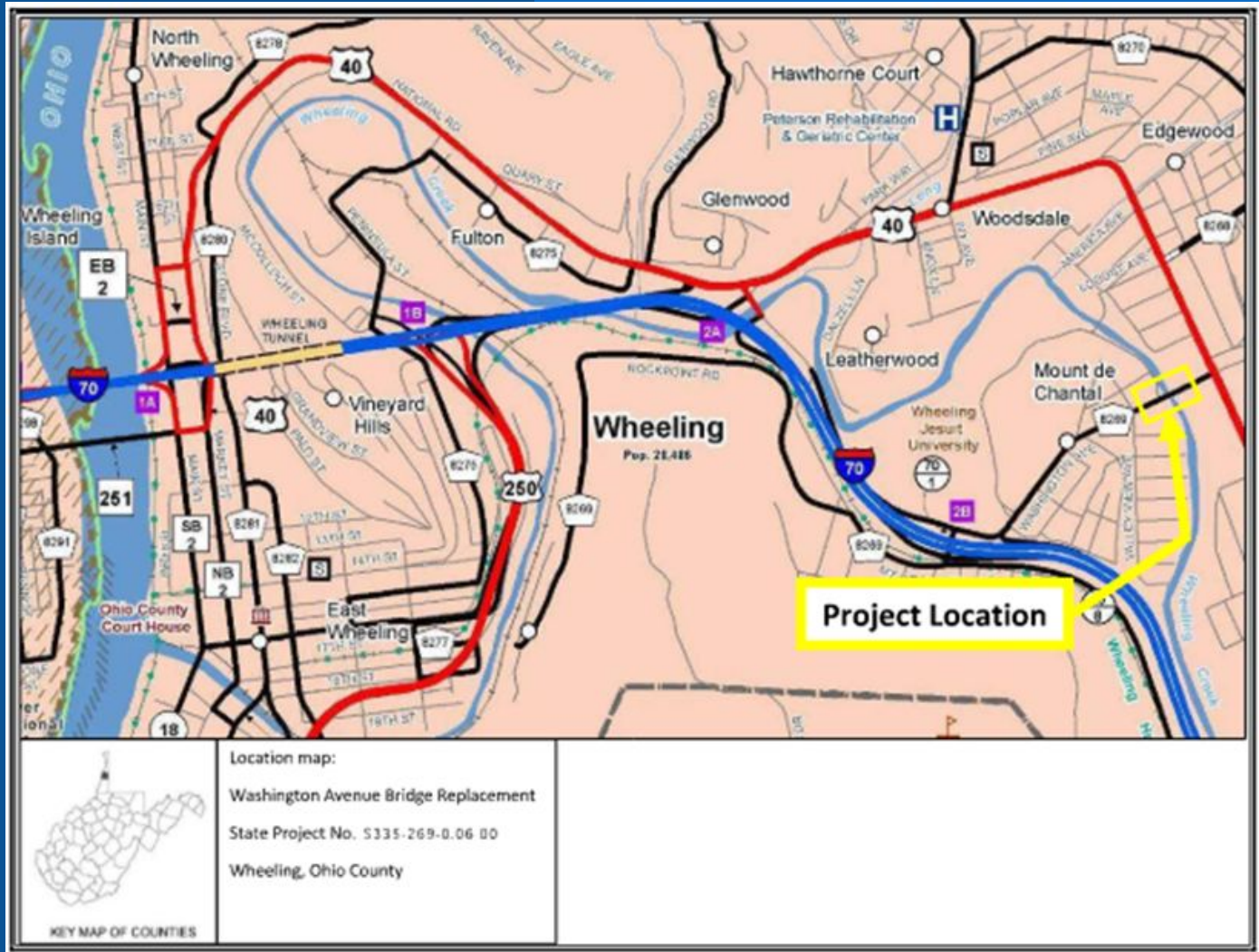


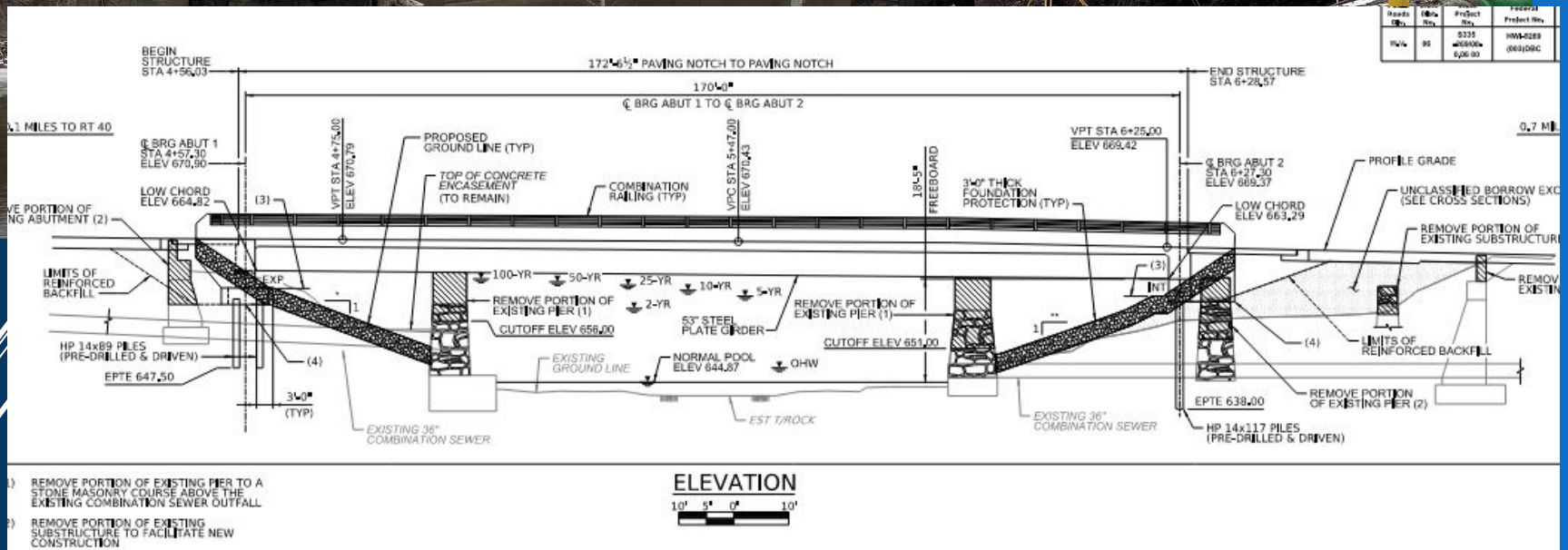
WASHINGTON AVENUE BRIDGE INCIDENT



BRIDGE LOCATION



OVERVIEW OF THE PROJECT



THE DEMOLITION PLAN

SECTION 203 DISMANTLING STRUCTURES

203.1-DESCRIPTION:

This work shall consist of dismantling such structure or structures specifically designated

The Contractor is responsible for determining the current condition of the structure (s) and shall use methods and procedures for dismantling the structures in a safe and efficient manner.

at the following location:

West Virginia Division of Highways
1900 Kanawha Boulevard East
Building 5, Room A-350,
Operations Division
Charleston, West Virginia 25305

The work shall also include the preparation of a demolition/dismantling plan by the contractor. The plan shall be prepared and sealed by a Professional Engineer registered in the

The work shall also include the preparation of a demolition/dismantling plan by the contractor. The plan shall be prepared and sealed by a Professional Engineer registered in the State of West Virginia, experienced in structural analysis of bridges.

contractor's "means and methods" of demolition/dismantling.

The demolition/dismantling plan shall be provided to the Division's Project Supervisor at least seven (7) calendar days prior to the beginning of any demolition/dismantling work. Receipt of the demolition/dismantling plan does not constitute review or approval or relieve the Contractor of his/her responsibility to satisfactorily demolish/dismantle the structure specified.

203.2-MATERIALS:

Not specified.

203.3-CONSTRUCTION METHODS:

The work shall include dismantling and storing, or disposing of designated structures by such methods as specified on the Plans. If the old structure is remain the property of the Division, it shall be carefully dismantled without unnecessary damage, the parts match marked, and carefully stored or erected as required by the Plans or as directed by the Engineer.

Unless otherwise noted in the plans, all material removed shall become the property of the contractor and shall be removed. Disposal, if required, shall be accomplished in accordance with the provisions of 201. The final ground around dismantled structures shall conform to the final grading plan or shall be graded to drain as directed by the Engineer. The bridge may contain lead base paint and the Contractor shall provide protection for their Workers as per the requirements of 29 CFR 1926.62.

THE ROLE AND IMPORTANCE OF STAFF

SECTION 105 CONTROL OF WORK

105.1-AUTHORITY OF THE ENGINEER:

The Engineer will decide all questions which may arise as to the quantity, quality, and acceptability of materials furnished and work performed, and as to the rate of progress of the work; all questions which may arise as to the interpretation of the Plans and Specifications; and all

105.9-AUTHORITY AND DUTIES OF THE PROJECT ENGINEER OR PROJECT SUPERVISOR:

The project Engineer or Supervisor has immediate charge of the engineering details of each construction project. The Engineer or Supervisor are responsible for the administration and satisfactory completion of the project.

The Project Engineer or Supervisor has the authority to reject defective material and to suspend any work that is being improperly performed.

The Project Engineer or Supervisor will have the authority to suspend the work wholly or in part due to the failure of the Contractor to correct conditions unsafe for the employees or the general public; for failure to carry out provisions of the Contract; for failure to carry out orders; for such periods as they may deem necessary due to unsuitable weather. All such suspension orders will be directed to the Contractor in writing. The suspension of the work for the above reasons does no relieve the Contractor of their responsibility according to 107.16.

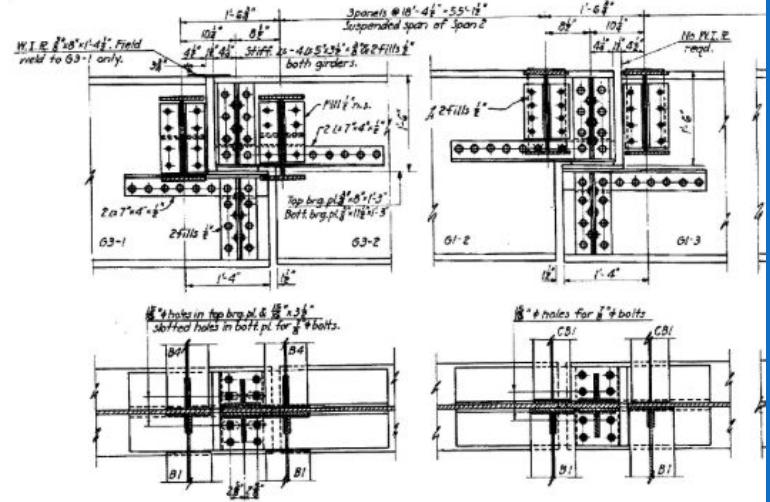
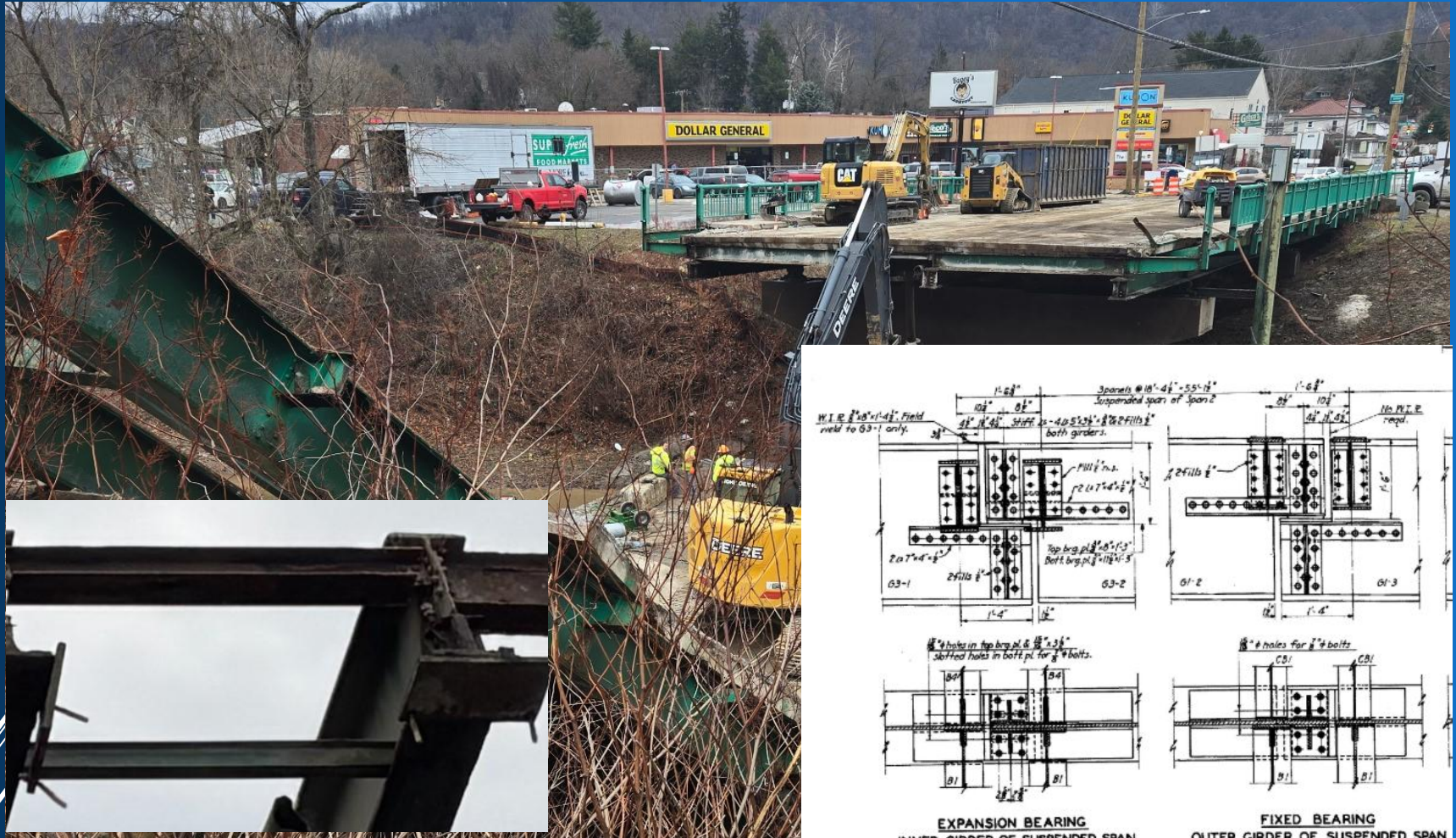
The Plans will show the foundation depths and dimensions on which the estimate of quantities is based. These depths and foundation dimensions, however, are subject to such variations as may be necessary to secure a foundation satisfactory to the Engineer, and the right is expressly reserved to increase or diminish the dimensions and depths of the foundations as the Engineer may determine.

The Contractor shall submit to the Engineer all stress sheets, shop drawings, erection plans, falsework plans, framework plans, cofferdam plans, bending diagrams for reinforcing steel, or any other supplemental plans or similar data for the Engineers use.

Working drawings for steel and timber structures shall consist of shop detail, erection and other working plans, showing details, dimensions, sizes of material, and other information necessary for complete fabrication and erection of the work. The Division will require shop lists for structural steel to be submitted in a format as set forth by the Engineer.

Working drawings for concrete structures shall consist of such detail plans as may reasonably be required for the successful prosecution of the work and which are not included in

CRITICAL FACTORS CONTRIBUTING TO FAILURE



LESSONS LEARNED



- ▶ Safety is the #1 Priority.
- ▶ Ensure required documentation is developed and submitted by the contractor prior to beginning demo work.
- ▶ Ensure all on-site personnel know the demo plan must be submitted 7 days before beginning demolition
- ▶ Stop the contractor if the demo plan isn't submitted and accepted on time.

VIDEO FROM SURVEILLANCE CAMERA



RECOVERY AND MOVING FORWARD



RECOVERY AND MOVING FORWARD



RECOVERY AND MOVING FORWARD



RECOVERY AND MOVING FORWARD



RECOVERY AND MOVING FORWARD



THANK YOU

