



Iowa Department of Transportation

SPECIAL PROVISIONS FOR PRE-BLAST CRACK AND DAMAGE SURVEY

Allamakee County
STPN-026-1(021)--2J-03

Effective Date
October 21, 2014

THE STANDARD SPECIFICATIONS, SERIES 2012, ARE AMENDED BY THE FOLLOWING ADDITIONS. THESE ARE SPECIAL PROVISIONS AND SHALL PREVAIL OVER THOSE PUBLISHED IN THE STANDARD SPECIFICATIONS.

120197.01 DESCRIPTION.

- A.** Arrange with property owners affected by the project the rights-of-entry to their properties in order to engage in a pre-blast and post-blast property damage survey. Submit written reports to the Engineer to confirm a visual investigation of the buildings on these properties.
- B.** The following properties shall be surveyed per the requirements in this special provision.
 - 591 N Front St
 - 601 N Front St
 - 641 N Front St
 - 681 N Front St
 - 691 N Front St
 - 701 N Front St
 - 761 N Front St
 - 771 N Front St
 - 801 N Front St
 - 901 N Front St
 - 921 N Front St
 - 941 N Front St
 - 971 N Front St

120197.02 INVESTIGATION METHODS.

- A.** The investigation shall consist of visually inspecting and recording all existing defects in the structures. The structures shall be thoroughly inspected from top to bottom, inside and out. The report shall include names of inspectors, date of inspections, and descriptions and locations of defects. In addition, mark existing cracks in such a way that future observations would indicate

whether cracks continue to open or spread. Photographs shall be used in verifying written descriptions of damaged areas. Arrange for professional photography capable of producing sharp, grain-free, high-contrast pictures with good shadow details for construction monitoring at the properties.

- B. Before any blasting operations for presplitting or rock excavation, have record photographs taken of the portions of all the buildings affected by the proposed construction. Photographs shall be taken and developed so that details of the buildings will be clear and well defined. The intent is to procure a record of the general physical condition of the buildings' exterior walls and foundations. Camera location shall be changed for each of the photographs and shall be varied so that all portions of the buildings' exterior surfaces will be covered by the view.
- C. Each photograph shall contain the following information:

IA 26, Allamakee County
STP-026-1(021)--2J-03
View _____
Looking _____
Date _____
Photographer _____
- D. Photographs shall be 8 inch by 10 inch, black and white glossy, mounted on paper with a flap for binding. Three prints of each view and the negatives shall be supplied to the Engineer within 2 weeks after the exposure has been made. Rights for subsequent use shall become the property of the Department.
- E. Conduct a second inspection of each affected property once blasting is complete. Visually inspect and photograph each structure to verify the post-blast condition. Follow the same inspection procedures as outlined herein before for the pre-blast survey.
- F. The final written report of each property shall be typed on bond paper and be in text form, headings, indexed, etc., and shall become the property of the Department.

120197.03 METHOD OF MEASUREMENT.

The item Pre-Blast Crack and Damage Survey will be measured as a lump sum unit of work for the project.

120197.04 BASIS OF PAYMENT.

Pre-Blast Crack and Damage Survey, measured as provided above, will be paid for at the contract lump sum price, which price shall be payment in full for surveying each property twice, providing the written report, providing three mounted black and white glossy prints and the negative for each view photographed; and for all labor, tools, equipment and incidentals necessary to complete each report.