

## **DIVISION 1700 - CONSTRUCTION RECORDING**

### **Section 1701**     SCOPE:

It is the intent of this coverage to accurately, clearly document and define pre-existing, post-construction and/or construction conditions to minimize potential construction claims. Contractor shall provide a high-quality color audio and video recording of the existing surface conditions within the project's zone of influence. The zone of influence shall be defined as an area within a temporary construction easement or public right-of-way, as indicated by the Drawings, or within 35 feet of the proposed Work. Contractor shall furnish an original and one copy of the recording to the Owner.

The following recording(s) shall be completed:

1. Prior to any construction activity.
2. After completion of all construction activity.

### **Section 1702**     GENERAL:

The Owner reserves the right to reject and request another recording because of poor quality, unintelligible audio or uncontrolled pan or zoom. Under no circumstances shall construction begin until the Owner has received, reviewed and accepted the recording.

A qualified, established recording company, knowledgeable in construction practices and experienced in recording of construction projects, shall perform the recording. If requested, the company shall provide examples of prior work and/or references.

Contractor shall obtain permission from property owners prior to entering said property.

This item of work is subsidiary to other costs of the project.

### **Section 1703**     PRODUCTS:

All digital recordings shall be supplied on a USB storage device of sufficient capacity to include the entire project on one storage device.

Color digital photos shall be supplied on a USB storage device of sufficient capacity to include the entire project on one storage device.

### **Section 1704**     COLOR AUDIO/VIDEO SURVEY:

Coverage shall include, but not be limited to, all existing roadways, sidewalks, fences, curbs, driveways, buildings and structures, ditches, above ground utilities, landscaping, trees, culverts, headwalls, retaining walls, signage and other physical features located within the project's zone of influence. Detailed attention shall be given to any defects, such as cracks, disturbed areas or other damaged items. The coverage may be expanded if Owner so directs.

All recording will be done during daylight hours and during dry, clear weather conditions.

Adequate lighting, to produce the proper detail and perspective, will be required to fill in areas covered by shadows.

If insufficient landmarks exist, Owner may request that excavation areas be marked (including stationing information) with highly visible fluorescent paint.

48 hours advance notice must be provided to the owner, so they will have the opportunity to accompany the videographer.

**SECTION 1705** AUDIO AND VIDEO REQUIREMENTS:

Properly identify all recordings (on media and jacket) by recording number, Owner's name, project name and number, contractor's name, date of recording and location of recording.

A written record of the contents of each recording shall be supplied, and it shall be sufficiently detailed so that Owner may easily retrieve the footage of a specific location.

Each tape shall begin with a verbal description. During the recording location information such as street name, direction of travel, viewing side, existing conditions, etc., will be included. Translucent information (date and time) must appear on the recording.

Identify houses and buildings visually by house number and in such a manner that structures of the proposed Work, (i.e. manholes, etc.) can be located by reference. Use of station numbers is acceptable if the stationing is accurate and coincides with the drawings.

Information appearing on the recording must be continuous and run simultaneously with computer generated translucent digital information. No editing or overlaying of information at a later date will be acceptable.

The rate of speed in the general direction of travel during the recording shall not exceed 100 feet per minute. Panning rates and zoom-in and zoom-out rates shall be controlled sufficiently such that during playback, the picture shall always be in focus and maintain clarity.

**SECTION 1706** PHOTOGRAPHIC REQUIREMENTS:

Original digital image files shall have dimensions of 1500 x 2100 pixels, or greater, and delivered in JPEG format without added compression.

Photographs shall be taken at intervals of not more than 50 feet, at each private driveway, and at other intervals and locations as deemed necessary to record the detailed conditions, possible field conflicts, and as may be designated by the Engineer.

Each photograph shall be identified in the view using the station number or street number, and sequential view number.

All prints shall be color and 5"x7" in size.