

## SECTION LS 110

### PRE-CONSTRUCTION RECORDS

#### PART 1 – GENERAL

##### 1.1 SUMMARY

A. This Section includes the following:

1. Ground photography which shall consist of color video taping of surface features taken along the entire length of the project and including all work and storage areas and all intersecting roadways. Prior to audio-video taping of the project, all areas to be inventoried shall be investigated visually with notations made of items not readily visible by taping methods.

##### 1.2 PROJECT CONDITIONS

A. Site Recording: All taping shall be done during times of good visibility. No outside taping shall be done during periods of visible precipitation or when the ground area is covered with snow, leaves or debris, unless otherwise authorized by The City of Lakewood.

In order to produce the proper detail and perspective, adequate auxiliary lighting will be required to fill in shadow areas caused by trees, utility poles, road signs and other such objects, as well as other conditions requiring artificial illumination.

The average rate of speed in the general direction of travel of the conveyance used during taping shall not exceed 60 feet per minute. Planning rates and zoom-out rates shall be controlled sufficiently so that playback will produce adequate clarity of the object being viewed.

When conventional wheeled vehicles are used as conveyances for the taping, the distance from the camera lens to the ground shall be such as to ensure proper perspective. In instances where tape coverage will be required in areas not accessible to conventional wheeled vehicles, such coverage shall be obtained by walking or by special conveyance approved by The City of Lakewood but with the same requirements for tape quality and content as specified herein, except as may be specifically exempted by The City of Lakewood.

## **PART 2 – PRODUCTS**

### **2.1. EQUIPMENT**

- A. Video – Color audio-video shall be DVD format.

## **PART 3 – EXECUTION**

### **3.1 RECORDING – GENERAL**

- A. Pre-Construction Recording: Prior to the delivery of any equipment, materials or supplies to the site of any work, or to the beginning of any of the construction work, the Contractor shall provide pre-construction photography as specified herein for the purpose of establishing the surface conditions existing in all of the areas to be affected by the construction.
- B. Purpose of Video Taping: The purpose of the color audio-video taping of the project is to provide the necessary information for restoration of surface features after completion of the project. The Contractor shall be responsible for repairing any damage or defect not documented as existing prior to construction.

### **3.2 VIDEO PHOTOGRAPHY**

- A. Coverage of Taping: Such coverage shall include, but not be limited to, all existing driveways, sidewalks, curbs, streets, signs, landscaping, trees, catch basins, fences, visible utilities and all buildings located within the zone of influence. Of particular concern are any existing faults, fractures, defects or other features. Audio description shall be made simultaneously with and support the video coverage.
- B. Streets: Shall be recorded by audio-video tape for the full width of the right-of-way, except where specifically noted otherwise by The City of Lakewood.
- C. Work Agreement Areas: Shall be recorded by audio-video DVD including all adjacent areas lying within the zone of influence of construction as directed by The City of Lakewood. The size and locations of all areas to be taped will be shown on the Plans or otherwise supplied by The City of Lakewood.
- D. Front and/or Side Yard Areas: Of residential homes within the zone of influence of construction shall be recorded.

### 3.3 LOCATION INFORMATION

- A. Entering Private Property: If it becomes necessary to enter onto private property, notify the owner of such property at least 24 hours in advance of the planned entry to obtain his permission to do so. Should the owner of the property refuse to give his permission for said entry, notify The City of Lakewood.

The contractor is advised that he shall not enter any private property before permission is granted to do so, or The City of Lakewood notified by the Contractor that he has gained the legal right to do so. The Contractor shall be held liable for entry made other than stated herein.

### 3.4 DELIVERABLES

- A. DVD's: All DVD's shall be properly identified by number, location and project name in a manner acceptable to the City of Lakewood.

A record of the contents of each DVD shall be supplied on a run sheet identifying each segment in the tape by location, i.e., street viewing side, traveling direction, engineering stationing, and all referenced by tape counter numbers.

All video recordings shall begin with the date and time of recording, the project name, the sheet numbers of engineering stationing as shown on the plans, the name of the street, area or building being taped, the direction of travel and the viewing side. Houses and buildings shall be identified visually by house or building address, when possible, in such manner that the progress of the taping and the proposed system may be located by reference to the houses and buildings.

- B. Ownership of Recordings: All DVD's produced will become the permanent property of the City of Lakewood. The Contractor shall deliver all tapes to the City of Lakewood prior to the beginning of any construction work.

Any portion of the DVD coverage deemed unacceptable by The City of Lakewood must be re-taped by the Contractor at no additional charge to the City of Lakewood.

**PART 4 – PAYMENT**

4.1 BASIS OF PAYMENT

- A. This item is not included in the contract unit prices and shall be considered incidental to this project.

**END SECTION LS 110**