

SECTION 018050

COLOR AUDIO-VIDEO PRECONSTRUCTION RECORD

PART 1 - GENERAL

1.1 REQUIREMENTS INCLUDED

- A. Prior to commencing work, the Contractor shall have a detailed, continuous, color digital audio-video recording taken along the entire length of the Project to serve as a record of preconstruction conditions. All recordings and written video log records shall become property of the City.

1.2 SCHEDULE

- A. The Contractor shall notify the City two (2) weeks prior to conducting electronic site recordings so the City can notify residents and/or prepare a press-release if necessary. This notification to the City shall include the name of the company performing recordings and a description of identification used (i.e., vehicle logo).
- B. No construction shall begin prior to review and approval of the site recordings covering the construction area by the City.

1.3 VIDEOGRAPHERS

- A. The Contractor shall employ a competent party or commercial firm known to be skilled and regularly engaged in the business of preconstruction color digital audio-video site documentation.
 - 1. The City shall have the authority to reject all or any portion of a site recording not conforming to this Section and order that it be redone at no additional charge. The Contractor shall reschedule unacceptable coverage within five (5) calendar days after being notified. The City shall designate those areas, if any, to be omitted from or added to the audio-video coverage.

PART 2 – PRODUCTS

2.1 GENERAL

- A. Each audio-video recording shall be saved on DVD media viewable on standard DVD players and computers. The DVD video recording shall

produce bright, sharp, clear pictures with accurate colors and shall be free from distortion or any other form of picture imperfection. All DVD video recordings shall display on the screen the time of day, the month, day, and year of the recording. This time and date information must be continuously and simultaneously generated with the actual recording. The audio portion of the recording shall produce the commentary of the camera operator with proper clarity and be free from distortion.

2.2 EQUIPMENT

- A. Camera and Recorder: The video camera and recorder used in the electronic media site recordings shall be of industrial grade, consistent with current standards, and subject to approval by the City. The camera shall be a high-resolution, color digital recorder with optical stabilization and 20X minimum optical magnification. The camera shall also have a minimum NTSC 525 lines resolution/60 fields/30 frames per second.
- B. Wheeled Vehicles: Clearly mark any vehicles used for recording purposes with company's name and telephone number. Vehicles shall incorporate signs, flaggers, and lights as needed for safety purposes.
- C. Electronic Media: DVDs shall be original, previously unrecorded, blank media.

PART 3 – EXECUTION

3.1 COVERAGE

- A. The recordings shall contain coverage of all surface features within and directly adjacent to the construction zone. These features shall include, but not be limited to, all roadways, pavement, retention ponds, railroad tracks, curbs, bridges, bridge abutments, driveways, sidewalks, culverts, headwalls, retaining walls, landscaping, signs, mailboxes, trees, and fences. Of concern, shall be the existence or non-existence of any faults, fractures, or defects. Coverage shall be limited to one side of the street at one time and shall include all surface conditions located within the zone of influence supported by appropriate audio description. Panning, zoom-in, and zoom-out rates shall be sufficiently controlled to maintain a clear view of the object.

3.2 AUDIO RECORDING

- A. Accompanying the video recording of each electronic media presentation shall be a corresponding and simultaneously recorded audio recording. This audio recording, exclusively containing the commentary of the camera operator shall assist in viewer orientation and in any needed identification, differentiation, clarification, or objective

description of the features being shown in the video portion of the recording. The audio recording shall also be free from any conversation between the Contractor, camera operator, and any other production technicians.

3.3 ELECTRONIC MEDIA INDEXING

- A. All electronic media site recordings shall be permanently labeled and shall be properly identified by electronic media site recording number and project title.
- B. Electronic Media Site Recordings Log: Each electronic media site recording shall have a log of that recording's contents. The log shall describe the various segments of coverage contained on that recording (e.g., the names of the streets, waterways, or easements; coverage beginning and end times; directions of coverage; video unit counter numbers; engineering stationing numbers, when possible; and the date of recording).

3.4 TIME OF EXECUTION

- A. Visibility: All recording shall be performed during time of good visibility; no recording shall be done during periods of significant precipitation, mist, or fog. The recording shall only be done when sufficient sunlight is present to properly illuminate the subject and to produce sharp, bright video recordings of those subjects.

3.5 CONTINUITY OF COVERAGE

- A. In order to insure the continuity of coverage, the coverage shall consist of a single continuous unedited recording which begins at one end of a particular construction area. However, where coverage is required in areas not accessible by conventional wheeled vehicles and smooth transport of the recording system is not possible, such coverage shall consist of an organized interrelated sequence of recordings at various positions along that proposed construction area (e.g., a wooded easement area). Such coverage shall be obtained by walking or by a special conveyance approved by the City.

3.6 COVERAGE RATES

- A. Rate of speed in the general direction of travel of the vehicle used during videoing shall not exceed 75 feet per minute. Panning, zoom-in, and zoom-out rates shall be sufficiently controlled to maintain a clear view of the object.

3.7 CAMERA OPERATION

- A. Camera Height and Stability: When conventional wheeled vehicles are used as conveyances for the recording system, the vertical distance between the camera lens and the ground shall not exceed ten (10) feet. The camera shall be firmly mounted such that transport of the camera during the recording process will not cause an unsteady picture.

- B. Camera Control: Camera pan, tilt, zoom-in, and zoom-out rate shall be sufficiently controlled such that recorded objects shall be clearly viewed during audio-video playback. In addition, all other camera and recording system controls, such as lens focus and aperture, video level, pedestal, chroma, white balance, and electrical focus shall be properly controlled or adjusted to maximize picture quality.

- C. Viewer Orientation Techniques: The audio and video portions of the recording shall maintain viewer orientation. To this end, overall establishing views of all visible house and business addresses shall be utilized. In areas where the proposed construction location will not be readily apparent to the electronic media viewer, highly visible yellow flags shall be placed, by the Contractor, in such a fashion as to clearly indicate the proposed center line of construction.

END OF SECTION