

Section 01321

**CONSTRUCTION PHOTOGRAPHS**

**PART 1 GENERAL**

**1.01 SUMMARY**

This Section includes photographic requirements for construction photographs and submittals.

**1.02 MEASUREMENT AND PAYMENT**

No payment will be made for this item. Include cost of meetings and project coordination in overhead cost for this project.

**1.03 REFERENCES (NOT USED)**

**1.04 SUBMITTALS**

- A. Refer to Section 01330 - "Submittal Procedures", for submittal requirements.
- B. Format and Media. Digital photography shall be used. Submit color photographs, if required by Project Manager.
  - 1. Digital Photography: Submit digital photographic files on computer disks. Format disks for MS-DOS (Microsoft Disk Operating System) filing system and in JPEG (Joint Photographic Experts Group) format. File size of JPEG images not to exceed 2.0 megapixels.
  - 2. Prints: Submit two sets of both Progress and Pre-construction Photograph print in a three-hole plastic pocket or sleeve, bound in a three-ring notebook. Produce prints on photographic-quality paper approved by Project Manager. Minimum size for prints shall be 3-inches by 5-inches.
  - 3. Video: Submit digital video recordings on computer disks. Format disks for MS-DOS (Microsoft Disk Operating System) filing system.
- C. Submittal Quantities and Frequencies
  - 1. Pre-construction Photographs and Videos: Submit one digital set of Pre-construction Photographs and Videos prior to start of construction operations. Submit two hard copy sets of photographs, if required.
  - 2. Progress Photographs: For Stipulated Price Contracts, submit one digital set of Progress Photographs with each Application for Payment at the times established for submittal of Application of Payment. Submit two hard copy

sets, if required. Progress Photographs are not required for Unit Price Contracts.

D. Labeling.

1. Digital Photographs:

- a. Each photograph submitted shall have a unique file name containing the following information:
  - 1) Unique photograph ID number.
  - 2) Project Number.
  - 3) Date photograph was taken.
- b. Affix an adhesive label on each computer disk containing the following information:
  - 1) Name and Address of Project.
  - 2) Project Number.
  - 3) Name and Address of Contractor.
  - 4) Range of unique photograph ID numbers included on the disk.

2. Digital Videos:

- a. Each video submitted shall have a unique file name containing the following information:
  - 1) Unique photograph ID number.
  - 2) Project Number.
  - 3) Date video was taken.
- b. Affix an adhesive label on each computer disk containing the following information:
  - 1) Name and Address of Project.
  - 2) Project Number.
  - 3) Name and Address of Contractor.
  - 4) Range of unique video ID numbers included on the disk.

3. Hard Copy Sets: Place a label on the back of each photographic print, applied so as to not show through on the front. Labels shall contain the following information:
  - a. Name and Address of Project.
  - b. Project Number.
  - c. Name and Address of Contractor.
  - d. Date photograph was taken.
  - e. Location photo was taken from and short description of photo subject.

- E. Photographic prints, photographic files and disks become the property of the Owner. Do not publish photographs without written consent by the Owner.

#### 1.05 RELATED REQUIREMENTS

Section 01330 – “Submittal Procedures”

#### 1.06 QUALITY ASSURANCE

Contractor shall be responsible for the quality of and timely execution and submittal of photographs.

#### 1.07 – 1.09 NOT USED

#### 1.10 DEFINITIONS

- A. Pre-construction Photographs and Videos: Photographs and videos taken, in sufficient numbers and detail, prior to Date of Commencement of the Work, to show original construction site conditions.
- B. Progress Photographs: Photographs, taken throughout the duration of construction at regular intervals and from fixed vantage points that documents process of the Work.
- C. Post-construction Videos: Videos taken, in sufficient detail, after the completion of construction to document final site conditions.

#### 1.11 – 1.13 NOT USED

#### PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION

3.01 GENERAL / MANUFACTURER(S)

A. Pre-Construction Photographs and Videos

1. Prior to commencement of construction operations, photograph and video the site to include initial construction corridor, detour routes, and staging or storage areas.
2. Photographs shall include all locates from Texas One call.
3. Prepare Pre-construction Photographs and Videos as follows:
  - a. Show the following information on a non-reflective chalkboard placed within the picture frame of each photograph:
    - 1) Project Number
    - 2) Date and time photographs were taken (Automatic date/time Stamp on image is acceptable).
    - 3) Baseline station, direction of view (i.e. N, S, NW, etc.) and house number or street address and street name.
  - b. Pre-construction Photographs and Videos shall indicate condition of the following:
    - 1) Esplanades and boulevards.
    - 2) Yards (near side and far side of street).
    - 3) House walks and sidewalks.
    - 4) Curbs.
    - 5) Areas between walks and curbs.
    - 6) Particular features (e.g. yard lights, shrubs, fences, trees).
    - 7) Construction access and haul routes.

B. Progress Photographs

1. Progress Photographs document monthly advancement of the Work. Select vantage points for each shot so as to best show status of construction and progress since last photograph submittal. Select camera stations that will

require little or no movement or adjustment over the duration of construction for vertical Construction projects.

2. Take monthly Progress Photographs at regular intervals to coincide with cutoff dates associated with each Application for Payment.
3. Prepare Progress Photographs as follows:
  - a. Show the following information on a non-reflective chalkboard placed within the picture frame:
    - 1) Project Number
    - 2) Date and time photographs were taken (Automatic date/time Stamp on image is acceptable).
    - 3) Baseline station, direction of view (i.e. N, S, NW, etc.) and house number or street address and street name.
  - b. Progress Photographs shall indicate condition of the following:
    - 1) Esplanades and boulevards.
    - 2) Yards (near side and far side of street).
    - 3) House walks and sidewalks.
    - 4) Curbs.
    - 5) Areas between walks and curbs.
    - 6) Particular features (e.g. yard lights, shrubs, fences, trees).
    - 7) Construction access and haul routes.

C. Post-Construction Videos

1. After completion of construction operations, video the site to include the construction corridor, detour routes, and staging or storage areas.
2. Prepare Post-construction Videos as follows:
  - a. Post-construction Videos shall indicate condition of the following:
    - 1) Esplanades and boulevards.
    - 2) Yards (near side and far side of street).

- 3) House walks and sidewalks.
- 4) Curbs.
- 5) Areas between walks and curbs.
- 6) Particular features (e.g. yard lights, shrubs, fences, trees).
- 7) Construction access and haul routes.

3.02 – 3.10 NOT USED

END OF SECTION