

SECTION 01 32 33 – PHOTOGRAPHIC DOCUMENTATION**PART 1 – GENERAL****1.01 SUMMARY**

- A. Section includes administrative and procedural requirements for the following:
 - 1. Preconstruction photographs.
 - 2. Periodic construction photographs.
 - 3. Final completion construction photographs.
 - 4. Web-based construction photographic documentation.

1.02 RELATED SECTION

- A. Section 01 33 00 – Submittal Procedures for submitting photographic documentation.
- B. Section 01 77 00 – Closeout Procedures for submitting photographic documentation as project record documents at Project closeout.

1.03 INFORMATIONAL SUBMITTALS

- A. Key Plan: Submit key plan of Project Site and building with notation of vantage points marked for location and direction of each photograph. Indicate elevation or story of construction. Include same information as corresponding photographic documentation.
- B. Digital Photographs: Submit image files within three days of taking photographs.
 - 1. Digital Camera: Minimum sensor resolution of 8 megapixels.
 - 2. Format: JPG with minimum 3200 by 2400 pixels, in unaltered original files, with same aspect ratio as the sensor, uncropped, date and time stamped, in folder named by date of photograph, accompanied by key plan file.
 - 3. Identification: Provide the following information with each image description in file metadata tag:
 - a. Name of Project.
 - b. Name and Contact information for photographer.
 - c. Name of Engineer.
 - d. Name of Contractor.
 - e. Date photograph was taken.
 - f. Description of vantage point, indicating location, direction (by compass point), and elevation or story of construction.
 - g. Unique sequential identifier keyed to accompanying key plan.

1.04 USAGE RIGHTS

- A. Transfer copyright usage rights to Owner for unlimited use and reproduction of photographic documentation.

PART 2 – PRODUCTS – Not Used

PART 3 – EXECUTION

3.01 GENERAL

- A. Take photographs using the maximum range of depth of field, and that are in focus, to clearly show the Work. Photographs with blurry or out-of-focus areas will not be accepted.
 - 1. Maintain key plan with each set of construction photographs that identifies each photographic location.

3.02 PRECONSTRUCTION PHOTOGRAPHS

- A. Photographic documentation is required prior to the start of any construction. Coverage shall include everything within the construction limits as identified on the Contract Drawings.
- B. Include coverage driveways, sidewalks, curbs, ditches (to show drainage patterns), street (as full width as possible), landscaping, trees, shrubs, culverts, catch basins, retaining walls, headwalls, fences, visible utilities, and building exteriors within the zones of influence. Buildings should be identified visibly when possible.
- C. Properly identify all photographs by number, date, locations and project name.

3.03 PERIODIC CONSTRUCTION PHOTOGRAPHS

- A. Take photographs bi-weekly, with timing each month adjusted to coincide with the cutoff date associated with each Application for Payment. Select vantage points to show status of construction and progress since last photographs were taken.

3.04 FINAL COMPLETION CONSTRUCTION PHOTOGRAPHS

- A. Take color photographs after date of Substantial Completion for submission as project record documents. Select vantage points to show status of construction and progress since last photographs were taken.

END OF SECTION