

County of Nevada  
Facilities Management Division

*Project Specifications*



Eric Rood Administration Center  
Helling Crosswalk

Bids Due: 2:30PM Tuesday March 19, 2019

Pre-Bid Site Visit  
9:00 AM, Thursday March 7, 2019

at:  
Eric Rood Administration Center  
950 Maidu Avenue  
Nevada City, California 95959  
Main Lobby

**Specifications include both the following and those within the plan.**

SECTION 01100 - SUMMARY

PART 1 - GENERAL

1.1 SUMMARY OF WORK

- A. Project:
- B. Owner: County of Nevada
- C. Engineer: Kevin Nelson: County of Nevada
- D. The Work consists of; Realigning the crosswalk, remove and construct concrete ADA sidewalk, install truncated dome ramps, asphalt cutting and reconstruction, striping and curb painting, block retaining wall and landscape and irrigation renovation as required according to the plans and specifications as described in the Contract Documents.

1.2 WORK RESTRICTIONS

- A. Contractor's Use of Premises: During construction, Contractor will have limited use of the area indicated. Contractor's use of premises is limited by Owner's requirement to leave the street and sidewalks operational during construction as follows:
  - 1. Owner will occupy the site during construction. Perform construction only during normal working hours (8 AM to 5 PM Monday thru Friday, other than holidays), unless otherwise agreed to in advance by Owner. Clean up work areas and return to a useable condition at the end of each work period.
- B. Contractor will be required to obtain a County encroachment permit prior to mobilization. All **environmental regulations, rules governing work in or adjacent to occupied spaces will be implemented and maintained by the contractor during the construction process.**

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION (Not Applicable)

END OF SECTION 01100

## SECTION 01732 - SELECTIVE DEMOLITION

### PART 4 - GENERAL

#### 4.1 SECTION REQUIREMENTS

- A. Unless otherwise indicated, demolished materials become Contractor's property. Remove from Project site.
- B. Comply with EPA regulations and disposal regulations of authorities having jurisdiction.
- C. Conduct demolition without disrupting Owner's ability to use the site.
- D. It is not expected that hazardous materials will be encountered in the Work. If materials suspected of containing hazardous materials are encountered, do not disturb; immediately notify Owner. Hazardous materials will be removed by Owner.

### PART 5 - PRODUCTS (Not Applicable)

### PART 6 - EXECUTION

#### 6.1 DEMOLITION

- A. Maintain and protect existing utilities to remain in service before proceeding with demolition, providing bypass connections to other parts.
- B. Locate using USA, identify, shut off, disconnect, and cap off utility services to be demolished.
- C. Conduct demolition operations and remove debris to prevent injury to people and damage to adjacent site improvements. Include any necessary concrete and asphalt cutting, removal and replacement required. New work will be installed to provide new smooth transitions.
- D. Cut straight and overcut asphalt approximately 3 feet where it joins the new concrete to achieve a smooth transition between the new concrete and the existing asphalt. Use hot mix asphalt and minimum 2 ton vibratory roller where it is accessible for type and method of asphalt work.
- E. Promptly remove demolished materials from Owner's property and legally dispose of them

END OF SECTION 01732

## SECTION 03300 - CAST-IN-PLACE CONCRETE

### PART 7 - GENERAL

#### 7.1 SECTION REQUIREMENTS

- A. Submittals: Product concrete mix designs.

### PART 8 - PRODUCTS

#### 8.1 MATERIALS

- A. Portland Cement: ASTM C 150, Type I or II.
- B. Aggregates: ASTM C 33, uniformly graded.
- C. Joint-Filler Strips: ASTM D 1751, cellulosic fiber, or ASTM D 1752, cork.

#### 8.2 MIXES

- A. Proportion normal-weight concrete mixes to provide the following properties:
  - 1. Compressive Strength: **3500 psi** at 28 days.
  - 2. Slump Limit: **4 inches** at point of placement.
  - 3. Air Content: 5.5 to 7.0 percent for concrete exposed to freezing and thawing, 2 to 4 percent elsewhere.

### PART 9 - EXECUTION

#### 9.1 CONCRETING

- A. Construct formwork and maintain tolerances and surface irregularities within ACI 117 limits of Class A for concrete exposed to view and Class C for other concrete surfaces.
- B. Accurately position, support, and secure reinforcement.
- C. Install construction, isolation, and contraction joints where indicated. Install full-depth joint-filler strips at isolation joints.
- D. Place concrete in a continuous operation and consolidate using mechanical vibrating equipment. Protect concrete from physical damage, premature drying, and reduced

strength due to hot or cold weather during mixing, placing, and curing. Include tooled control joints in the new concrete at 4 foot intervals in the sidewalks.

- E. Include yellow colored truncated dome surface mount or embedded.
- F. Paint curb red where indicated on plan.
- G. Install new crosswalk per Caltrans section 30.18
- H. Formed Surface Finish: Smooth-formed finish for concrete exposed to view, coated, or covered by waterproofing or other direct-applied material; rough-formed finish elsewhere.
- I. Nonslip-broom finish to exterior concrete walks and ramps.
- J. Protect concrete from damage. Repair surface defects in formed concrete and curbs.

END OF SECTION 03300

## SECTION 03500 - EXECUTION AND CLOSEOUT REQUIREMENTS

### PART 10 - GENERAL

#### 10.1 CLOSEOUT PROCEDURES

- A. Operation and Maintenance Data: Organize data into three-ring binders with identification on front and spine of each binder and pocket folders for folded sheet information. . Include the following:
  - 1. Manufacturer's operation and maintenance brochures.
  - 2. Copies of warranties.

#### PRODUCTS (Not Applicable)

### EXECUTION

#### SCHEDULE 1 - EXAMINATION AND PREPARATION

- A. Examine substrates and conditions for compliance with manufacturer's written requirements including, but not limited to, surfaces that are sound, level, plumb, smooth, clean, and free of deleterious substances; substrates within installation tolerances; and application conditions within environmental limits. Proceed with installation only after unsatisfactory conditions have been corrected.
- B. Verify layout information shown on Drawings, in relation to property survey and existing benchmarks, before laying out the Work.
- C. Prepare substrates and adjoining surfaces according to manufacturer's written instructions, including, but not limited to, filler and primer application.
- D. Take field measurements as required to fit the Work properly. Where fabricated products are to be fitted to other construction, verify dimensions by field measurement before fabricating and, when possible, allow for fitting and trimming during installation.

#### SCHEDULE 2 - CUTTING AND PATCHING

- A. Do not cut structural members without prior written approval of Owner.
- B. For patching, provide materials whose installed performance will equal or surpass that of existing materials. For exposed surfaces, provide or finish materials to visually match existing adjacent surfaces to the fullest extent possible.

## 10.2 INSTALLATION

- A. Comply with manufacturer's written instructions for installation. Anchor each product securely in place, accurately located and aligned. Clean exposed surfaces and protect from damage. If applicable, prepare surfaces for field finishing.
- B. Clean Project site and work areas daily, including common areas.

## 10.3 FINAL CLEANING

- A. Clean each surface or item as follows before requesting inspection for certification of Substantial Completion:
  - 1. Clean the site. Sweep paved areas; remove stains, spills, and foreign deposits. Rake grounds to a smooth, even-textured surface.

## 10.4 CLOSEOUT PROCEDURES

- A. Substantial Completion: Before requesting Substantial Completion inspection, complete the following:
  - 1. Submit specific warranties, maintenance agreements, and similar documents.
  - 2. Submit Record Drawings and Specifications, operation and maintenance manuals, and similar final record information.
  - 3. Remove temporary facilities and controls.
  - 4. Complete final cleaning requirements, including touchup painting.
  - 5. Touch up and otherwise repair and restore marred exposed finishes to eliminate visual defects.
- B. On receipt of a request for inspection, Owner will proceed with inspection or advise Contractor of unfulfilled requirements. Owner will prepare the Certificate of Substantial Completion after inspection or advise Contractor of items that must be completed or corrected before the certificate will be issued.
- C. Request inspection for certification of Final Completion, once the following are complete:
  - 1. Submit a copy of Substantial Completion inspection list stating that each item has been completed or otherwise resolved for acceptance.
  - 2. Instruct Owner's personnel in operation, adjustment, and maintenance of products, equipment, and systems.
- D. Owner will reinspect the Work on receipt of notice that the Work has been completed.
  - 1. On completion of reinspection, Owner will prepare a Board of Supervisors Resolution for a Certificate of Completion and final payment. If the Work is incomplete, Owner will advise Contractor of the Work that is incomplete or obligations that have not yet been fulfilled.

END OF SECTION 03500