CITY OF VACAVILLE
DEPARTMENT OF PUBLIC WORKS

- VACAVILLE -
- SOLANO COUNTY -
- CALIFORNIA -

PLANS FOR
Vacaville Center Intersection Improvements Project
FEBRUARY 2017

VICINITY MAP

LOCATION MAP
GENERAL - Paving, spreading, and compacting aggregate base shall be in accordance with Section 3.2.2.7 of the California Department of Transportation Specifications for Roads and Streets except as otherwise noted.

ALLOWABLE MATERIALS - Aggregate base material shall conform to Class 2A, Aggregate Base, per the current standard aggregates specified in the 2023 Edition of the CALTRANS Standard Specifications. The Contractor shall provide the District of Public Works for review and approval an aggregate base submittal that substantiates the manner proposed to be delivered to the project in accordance with the Specifications. The District of Public Works will determine if the aggregate material delivered to the project meets the standards prescribed in the CALTRANS Standard Specifications for Class 2A, Aggregate Base, and any aggregate material grading requirements.

CONSTRUCTION STANDARDS - SECTION 3.2 - ASPHALT CONCRETE

GENERAL - Paving, spreading, and compacting Asphalt Concrete shall be in accordance with Section 3.2.4 "Asphalt Concrete" of the CALTRANS Standard Specifications as modified by Section 14 of the Construction Specifications for Roads and Streets except as otherwise noted.

ALLOWABLE MATERIALS - Aggregate base material shall conform to Class 2A, Aggregate Base, per the current standard aggregates specified in the 2023 Edition of the CALTRANS Standard Specifications. The Contractor shall provide the District of Public Works for review and approval an aggregate base submittal that substantiates the manner proposed to be delivered to the project in accordance with the Specifications. The District of Public Works will determine if the aggregate material delivered to the project meets the standards prescribed in the CALTRANS Standard Specifications for Class 2A, Aggregate Base, and any aggregate material grading requirements.

CONSTRUCTION STANDARDS - SECTION 4.2 - ASPHALT MODIFIED AC-ACTING

GENERAL - Paving, spreading, and compacting Asphalt Modified AC shall be in accordance with Section 3.2.4 "Asphalt Concrete" of the CALTRANS Standard Specifications as modified by Section 14 of the Construction Specifications for Roads and Streets except as otherwise noted.

ALLOWABLE MATERIALS - Aggregate base material shall conform to Class 2A, Aggregate Base, per the current standard aggregates specified in the 2023 Edition of the CALTRANS Standard Specifications. The Contractor shall provide the District of Public Works for review and approval an aggregate base submittal that substantiates the manner proposed to be delivered to the project in accordance with the Specifications. The District of Public Works will determine if the aggregate material delivered to the project meets the standards prescribed in the CALTRANS Standard Specifications for Class 2A, Aggregate Base, and any aggregate material grading requirements.

CONSTRUCTION STANDARDS - SECTION 4.3 - ASPHALT MODIFIED PAC-ACTING

GENERAL - Paving, spreading, and compacting Asphalt PAC shall be in accordance with Section 3.2.4 "Asphalt Concrete" of the CALTRANS Standard Specifications as modified by Section 14 of the Construction Specifications for Roads and Streets except as otherwise noted.

ALLOWABLE MATERIALS - Aggregate base material shall conform to Class 2A, Aggregate Base, per the current standard aggregates specified in the 2023 Edition of the CALTRANS Standard Specifications. The Contractor shall provide the District of Public Works for review and approval an aggregate base submittal that substantiates the manner proposed to be delivered to the project in accordance with the Specifications. The District of Public Works will determine if the aggregate material delivered to the project meets the standards prescribed in the CALTRANS Standard Specifications for Class 2A, Aggregate Base, and any aggregate material grading requirements.

CONSTRUCTION STANDARDS - SECTION 5.1 - CEMENT STABILIZED BASES

GENERAL - Paving, spreading, and compacting Portland Cement Concrete Base shall be in accordance with Section 5.1.1 "Portland Cement Concrete Base" of the CALTRANS Standard Specifications as modified by Section 15 of the Construction Specifications for Roads and Streets except as otherwise noted.

ALLOWABLE MATERIALS - Aggregate base material shall conform to Class 2A, Aggregate Base, per the current standard aggregates specified in the 2023 Edition of the CALTRANS Standard Specifications. The Contractor shall provide the District of Public Works for review and approval an aggregate base submittal that substantiates the manner proposed to be delivered to the project in accordance with the Specifications. The District of Public Works will determine if the aggregate material delivered to the project meets the standards prescribed in the CALTRANS Standard Specifications for Class 2A, Aggregate Base, and any aggregate material grading requirements.

CONSTRUCTION STANDARDS - SECTION 5.2 - CEMENT STABILIZED BASES (Cement Concrete Base in lieu of the CEM 374 Standard Specifications - 6"")

GENERAL - Paving, spreading, and compacting Cement Concrete Base shall be in accordance with Section 5.1.1 "Portland Cement Concrete Base" of the CALTRANS Standard Specifications as modified by Section 15 of the Construction Specifications for Roads and Streets except as otherwise noted.

ALLOWABLE MATERIALS - Aggregate base material shall conform to Class 2A, Aggregate Base, per the current standard aggregates specified in the 2023 Edition of the CALTRANS Standard Specifications. The Contractor shall provide the District of Public Works for review and approval an aggregate base submittal that substantiates the manner proposed to be delivered to the project in accordance with the Specifications. The District of Public Works will determine if the aggregate material delivered to the project meets the standards prescribed in the CALTRANS Standard Specifications for Class 2A, Aggregate Base, and any aggregate material grading requirements.

CONSTRUCTION STANDARDS - SECTION 5.3 - CEMENT STABILIZED BASES (Cement Concrete Base in lieu of the CEM 374 Standard Specifications - 4"")

GENERAL - Paving, spreading, and compacting Cement Concrete Base shall be in accordance with Section 5.1.1 "Portland Cement Concrete Base" of the CALTRANS Standard Specifications as modified by Section 15 of the Construction Specifications for Roads and Streets except as otherwise noted.

ALLOWABLE MATERIALS - Aggregate base material shall conform to Class 2A, Aggregate Base, per the current standard aggregates specified in the 2023 Edition of the CALTRANS Standard Specifications. The Contractor shall provide the District of Public Works for review and approval an aggregate base submittal that substantiates the manner proposed to be delivered to the project in accordance with the Specifications. The District of Public Works will determine if the aggregate material delivered to the project meets the standards prescribed in the CALTRANS Standard Specifications for Class 2A, Aggregate Base, and any aggregate material grading requirements.

CONSTRUCTION STANDARDS - SECTION 5.4 - CEMENT STABILIZED BASES (Cement Concrete Base in lieu of the CEM 374 Standard Specifications - 2"")

GENERAL - Paving, spreading, and compacting Cement Concrete Base shall be in accordance with Section 5.1.1 "Portland Cement Concrete Base" of the CALTRANS Standard Specifications as modified by Section 15 of the Construction Specifications for Roads and Streets except as otherwise noted.

ALLOWABLE MATERIALS - Aggregate base material shall conform to Class 2A, Aggregate Base, per the current standard aggregates specified in the 2023 Edition of the CALTRANS Standard Specifications. The Contractor shall provide the District of Public Works for review and approval an aggregate base submittal that substantiates the manner proposed to be delivered to the project in accordance with the Specifications. The District of Public Works will determine if the aggregate material delivered to the project meets the standards prescribed in the CALTRANS Standard Specifications for Class 2A, Aggregate Base, and any aggregate material grading requirements.

CONSTRUCTION STANDARDS - SECTION 5.5 - CEMENT STABILIZED BASES (Cement Concrete Base in lieu of the CEM 374 Standard Specifications - 1"")

GENERAL - Paving, spreading, and compacting Cement Concrete Base shall be in accordance with Section 5.1.1 "Portland Cement Concrete Base" of the CALTRANS Standard Specifications as modified by Section 15 of the Construction Specifications for Roads and Streets except as otherwise noted.

ALLOWABLE MATERIALS - Aggregate base material shall conform to Class 2A, Aggregate Base, per the current standard aggregates specified in the 2023 Edition of the CALTRANS Standard Specifications. The Contractor shall provide the District of Public Works for review and approval an aggregate base submittal that substantiates the manner proposed to be delivered to the project in accordance with the Specifications. The District of Public Works will determine if the aggregate material delivered to the project meets the standards prescribed in the CALTRANS Standard Specifications for Class 2A, Aggregate Base, and any aggregate material grading requirements.

CONSTRUCTION STANDARDS - SECTION 7.0 - DRAINAGE BASES

GENERAL - Paving, spreading, and compacting Drainage Bases shall be in accordance with Section 7.1 "Drainage Bases" of the CALTRANS Standard Specifications as modified by Section 7.5 of the Construction Specifications for Roads and Streets except as otherwise noted.

ALLOWABLE MATERIALS - Aggregate base material shall conform to Class 2A, Aggregate Base, per the current standard aggregates specified in the 2023 Edition of the CALTRANS Standard Specifications. The Contractor shall provide the District of Public Works for review and approval an aggregate base submittal that substantiates the manner proposed to be delivered to the project in accordance with the Specifications. The District of Public Works will determine if the aggregate material delivered to the project meets the standards prescribed in the CALTRANS Standard Specifications for Class 2A, Aggregate Base, and any aggregate material grading requirements.
The Caltrans Standard Specifications, and these Special Provisions.

Traffic cones with semitransparent reflective cone sleeves may be used during daylight hours. Where ambiguities exist and it is not practicable to determine the level of required intensity and markings, the Engineer will make the final decision as to the use of temporary variable message signs.

The Caltrans Standard Specifications, and these Special Provisions, and the Project Plans.

Traffic cones with semitransparent reflective cone sleeves are preferred for use during daylight hours. Where ambiguities exist and it is not practicable to determine the level of intensity and markings, the Engineer will make the final decision as to the use of temporary variable message signs.

The Caltrans Standard Specifications, and these Special Provisions.

Traffic cones with semitransparent reflective cone sleeves are preferred for use during daylight hours. Where ambiguities exist and it is not practicable to determine the level of intensity and markings, the Engineer will make the final decision as to the use of temporary variable message signs.

Traffic cones with semitransparent reflective cone sleeves are preferred for use during daylight hours. Where ambiguities exist and it is not practicable to determine the level of intensity and markings, the Engineer will make the final decision as to the use of temporary variable message signs.
The zinc coating will be tested in accordance with ASTM Designation: A239.

Section 11.026 Maintenance of Pedestrian Signals

Safetran controller shall be verified label or label from other third-party laboratory with NRTL status.

The first paragraph of Section 86-4.01B, “Signal Sections”, of the Caltrans Standard Specifications shall be amended to read:

One (1) Power Distribution Assy x 30/1 Circuit Breaker (Street Lighting)

The following is a general description of the Service and UPS System:

One (1) Actelis Networks Power Supply for ML50 & ML600 Series Switches (ML50/600-PS)

The following is a general description of the Service and UPS System:

One (1) Power Distribution Assy x 30/1 Circuit Breaker (Street Lighting)

One (1) Power Distribution Assy x 30/1 Circuit Breaker (Street Lighting)

One (1) Pololu Servo Hat With Electrically Interchangeable, Bidirectional, LCD Servo Drivers

One (1) Power Distribution Assy x 30/1 Circuit Breaker (Street Lighting)

One (1) Power Distribution Assy x 30/1 Circuit Breaker (Street Lighting)

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One (1) Power Distribution Assy x 30/1 Circuit Breaker (Street Lighting)
11-1.01X COORDINATION WITH OTHERS

11-1.01W PHOTOELECTRIC CONTROLS

11-1.01T NUMBERING FOR ELECTRICAL EQUIPMENT

11-1.01V TRAFFIC SIGNAL ACTIVATION

11-1.01U TESTING

11-1.01S TRAFFIC SIGNS

11-1.01R RATING FOR ELECTRICAL EQUIPMENT

11-1.01Q PHOTOELECTRIC RELAYS

11-1.01P PHOTOELECTRIC RELAYS

11-1.01O PHOTOELECTRIC RELAYS

11-1.01N PHOTOELECTRIC RELAYS

11-1.01M PHOTOELECTRIC RELAYS

11-1.01L PHOTOELECTRIC RELAYS

11-1.01K PHOTOELECTRIC RELAYS

11-1.01J PHOTOELECTRIC RELAYS

11-1.01I PHOTOELECTRIC RELAYS

11-1.01H PHOTOELECTRIC RELAYS

11-1.01G PHOTOELECTRIC RELAYS

11-1.01F PHOTOELECTRIC RELAYS

11-1.01E PHOTOELECTRIC RELAYS

11-1.01D PHOTOELECTRIC RELAYS

11-1.01C PHOTOELECTRIC RELAYS

11-1.01B PHOTOELECTRIC RELAYS

11-1.01A PHOTOELECTRIC RELAYS

11-1.01X COORDINATION WITH OTHERS

11-1.01W PHOTOELECTRIC CONTROLS

11-1.01T NUMBERING FOR ELECTRICAL EQUIPMENT

11-1.01V TRAFFIC SIGNAL ACTIVATION

11-1.01U TESTING

11-1.01S TRAFFIC SIGNS

11-1.01R RATING FOR ELECTRICAL EQUIPMENT

11-1.01Q PHOTOELECTRIC RELAYS
## Pole and Equipment Schedule

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### Project Notes (This Sheet Only):

1. Uniform fixtures shall be furnished and installed by the Contractor and shall be LED as manufactured by One Model by BID.<sup>1</sup>
2. Furnish and install 2" x 2" reflective white decal labeled "2x2" on signal pole.
3. Furnish and install new P49 posts 4" in height and a minimum 4" diameter post with caps.
4. Furnish and install new pole and equipment.
5. Furnish and install solar accessible pedestrian signals and detectors.

## Conductor Schedule

<table>
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### Notes:

1. Furnish and install new conduit and conductors.