

## SAN JOAQUIN REGIONAL RAIL COMMISSION STATION/FACILITIES DEVELOPMENT COMMITTEE MEETING

Friday, May 2, 2025 – 11:30 am

Robert J. Cabral Station  
Board Room  
949 E. Channel Street  
Stockton, CA 95202

### Teleconference Locations 📞

1010 10<sup>th</sup> Street  
6<sup>th</sup> Floor  
Modesto, CA

Members of the public may attend the meeting at the above address, or may observe the meeting by using the link or dial-in information below:

Join Zoom Meeting

<https://us06web.zoom.us/j/87164946145>

Or Telephone: +1 669 444 9171 US

Persons wishing to address the Station/Facilities Development Committee on any item of interest to the public regarding rail shall state their names and address and make their presentation. The Committee cannot take action on matters not on the agenda unless the action is authorized by Section 54954.2 of the Government Code. Materials related to an item on the Agenda submitted to the Members of the Committee after distribution of the agenda packet are available for public inspection in the Committee Office at 949 E. Channel Street during normal business hours. These documents are also available on the San Joaquin Regional Rail Commission website at <https://www.sjrcc.com/events/> subject to staff's ability to post the documents prior to the meeting. If a member of the public wishes to make a public comment:

1. Submit written comments to SJRRC staff via email at [clerk@sjrcc.com](mailto:clerk@sjrcc.com), in which staff will read the comment aloud during the public comment period.
2. Complete a Request to Speak form (available at the entrance to the Board Room) and give it to the SJRRC Board Clerk before the Item is considered by the Committee.
3. Join from the Zoom meeting link and notify Staff by alerting them via the "Raise hand" or "Chat" function; call +1 669 444 9171, dial \*9 to raise your hand when you wish to speak, and dial \*6 to unmute when you are requested to speak. Please note that if participating using Zoom, all members of the public will be placed on mute until such times allow for public comments to be made.

Public comments should be limited to five (5) minutes per comment.

*This Agenda shall be made available upon request in alternative formats to persons with a disability, as required by the Americans with Disabilities Act of 1990 (42 U.S.C. § 12132) and the Ralph M. Brown Act (California Government Code § 54954.2). Persons requesting a disability related modification or accommodation in order to participate in the meeting should contact San Joaquin Regional Rail Commission (SJRRRC) staff, at (209) 944-6220, during regular business hours, at least twenty-four hours prior to the time of the meeting.*

*All proceedings before the Committee are conducted in English. Anyone wishing to address the Committee is advised to have an interpreter or to contact SJRRRC during regular business hours at least 48 hours prior to the time of the meeting so that SJRRRC can provide an interpreter. Any writings or documents provided to a majority of the Committee regarding any item on this agenda will be made available upon request in both English and Spanish for public inspection at the Office of the Executive Director located at 949 East Channel Street, Stockton, California, 95202 during normal business hours or by calling (209) 944-6220. The Agenda is available on the San Joaquin Regional Rail Commission website: <https://www.sjrrc.com/station-facilities-development-committee/>.*

**Disclosures:** *Committee Members shall disclose any agenda item in which they have a conflict of interest under State law and acknowledge whether they will recuse from hearing that item. Among other State laws, the Levine Act (Gov. C. §84308) may require recusal on agenda items involving a contract or entitlement before the Committee where a campaign donor is a participant, and the campaign contribution totals more than \$250 within the 12-month period before the decision on the item.*

**1. Call to Order and Roll Call Chair Zuber**

Roll Call: Chiesa, Hume, Vice-Chair Craig-Hensley, Chair Zuber

**2. Public Comment**

Persons wishing to address the Committee on any item of interest to the public regarding rail shall state their names and addresses and make their presentation. Please limit presentations to five (5) minutes. The Committee cannot take action on matters not on the agenda unless the action is authorized by Section 54954.2 of the Government Code. Materials related to an item on the Agenda submitted to the Committee after distribution of the agenda packet are available for public inspection in the Commission Office at 949 E. Channel Street during normal business hours. These documents are also available on the San Joaquin Regional Rail Commission website at <https://www.sjrrc.com/> subject to staff's ability to post the documents prior to the meeting.

Public comments should be limited to five (5) minutes per comment.

**3. Consent Calendar**

3.1 Minutes of Committee Meeting February 7, 2025 **ACTION**

**4. Adopt a Resolution of the San Joaquin Regional Rail Commission Approving an Agreement with Mark Thomas Inc. for Plans, Specifications and Estimates (PS&E) for the Sacramento City College Project for an Amount Not-to-Exceed \$3,420,730 and Authorizing the Executive Director to Negotiate, Award, and Execute Any and All Agreements and Documents Related to the Project Including Approving Any and All Amendments thereto within Her Spending Authority ACTION**  
(Christine Inouye/Autumn Gowan)

5. **Adopt a Resolution of the San Joaquin Regional Rail Commission Station/Facilities Development Committee Approving Amendment 03 to the Agreement with JMA Civil, Inc. for Plans, Specifications and Estimates (PS&E) for the Ceres to Turlock Double-Track Project Increasing the Compensation Amount by \$257,814 for a New Not-to-Exceed Amount of \$4,101,463 and Authorizing the Executive Director to Negotiate, Award, and Execute Any and All Agreements and Documents Related to the Project including Approving Any and All Amendments thereto within Her Spending Authority**  
(Blake Loftus/Autumn Gowan) **ACTION**
6. **Adopt a Resolution of the San Joaquin Regional Rail Commission Station/Facilities Development Committee Adopting the Elk Grove Station Elements of Distinction, as Set Forth in Attachment A**  
(David Lipari) **ACTION**
7. **Adopt a Resolution of the San Joaquin Regional Rail Commission Station/Facilities Development Committee Amending Chapter 15 (Signage and Wayfinding) of the Valley Rail Station Design Criteria**  
(David Lipari) **ACTION**
8. **CLOSED SESSION**  
Pursuant to Government Code Section 54956.8  
Property: Acquisition of Additional Railroad Right-of-Way and Tracks (Trackage Rights) within the Valley Rail Project Corridor, including but not limited to Sacramento Subdivision between El Pinal near Stockton (Mile Post 95) and Natomas (Mile Post 147); Fresno Subdivision Between El Pinal in Stockton (Mile Post 83) and the Lathrop UP Connection (Mile Post 84.5); and Fresno Subdivision Between the Lathrop UP Connection (Mile Post 84.5) and Turlock (Mile Post 129)  
Agency Negotiator: Stacey Mortensen, Executive Director  
Negotiating Party: Union Pacific Railroad Company, a Delaware corporation  
Under negotiation: Price and payment terms
9. **Return to Open Session and Disclosure of Action**  
(Janice D. Magdich)
10. **Committee Member Comments**
11. **Adjournment**  
The next regular meeting is scheduled for June 6, 2025 – 11:30 am

**SAN JOAQUIN REGIONAL RAIL COMMISSION  
STATION/FACILITIES DEVELOPMENT COMMITTEE**  
Meeting of May 2, 2025

**Item 3.1**

**ACTION**

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**Minutes of Committee Meeting February 7, 2025**

The regular meeting of the Station/Facilities Development Committee (Committee) was held at 10:00 am on February 7, 2025. Committee Members attended this meeting in person.

**1. Call to Order and Roll Call**

**Chair Zuber**

Chair Zuber called the meeting to order at 10:00.

Board Members Present: Chiesa, Vice-Chair Craig-Hensley, Chair Zuber

Board Members Absent: Hume

**2. Public Comment**

There were no public comments.

**3. Consent Calendar**

3.1 Approve Minutes of Committee Meeting December 6, 2025.

**ACTION**

There were no public comments.

**M/S/C (Craig-Hensley/Chiesa) to approve Item 3.1 of the Consent Calendar.**

**Passed and Adopted as amended by the San Joaquin Regional Rail Commission Station/Facilities Development Committee on February 7, 2025, by the following vote to wit:**

AYES: 3 Chiesa, Vice-Chair Craig-Hensley, Chair Zuber  
NOES: 0  
ABSTAIN: 0  
ABSENT: 1 Hume

**4. Adopt a Motion Establishing a New Regular Meeting Date and Time of the First Friday of Every Month at 11:30 AM**

**ACTION**

Jackie Miramontes gave a presentation on this item.

**M/S/C (Chiesa/Craig-Hensley) to Establish a New Regular Meeting Date and Time of the First Friday of Every Month at 11:30 AM.**

**Passed and Adopted by the San Joaquin Regional Rail Commission Station/Facilities Development Committee on February 7, 2025, by the following vote to wit:**

AYES: 3 Chiesa, Vice-Chair Craig-Hensley, Chair Zuber  
NOES: 0  
ABSTAIN: 0  
ABSENT: 1 Hume

**5. CLOSED SESSION**

**Pursuant to Government Code Section 54956.8**

**Property: Acquisition of Additional Railroad Right-of-Way and Tracks (Trackage Rights) within the Valley Rail Project Corridor, including but not limited to Sacramento Subdivision between El Pinal near Stockton (Mile Post 95) and Natomas (Mile Post 147); Fresno Subdivision Between El Pinal in Stockton (Mile Post 83) and the Lathrop UP Connection (Mile Post 84.5); and Fresno Subdivision Between the Lathrop UP Connection (Mile Post 84.5) and Turlock (Mile Post 129)**

**Agency Negotiator: Stacey Mortensen, Executive Director**

**Negotiating Party: Union Pacific Railroad Company, a Delaware corporation**

**Under negotiation: Price and payment terms**

**6. Return to Open Session and Disclosure of Action**

The Committee returned to Open Session at 10:53 am and Janice D. Magdich announced the item was for discussion only and no reportable action was taken.

**7. Committee Member Comments**

There were no comments.

**8. Adjournment**

Chair Zuber adjourned the meeting at 10:54 am.

The next regular meeting is scheduled for:  
March 7, 2025 – 11:30 am

**SAN JOAQUIN REGIONAL RAIL COMMISSION  
STATION/FACILITIES DEVELOPMENT COMMITTEE**  
Meeting of May 2, 2025

STAFF REPORT

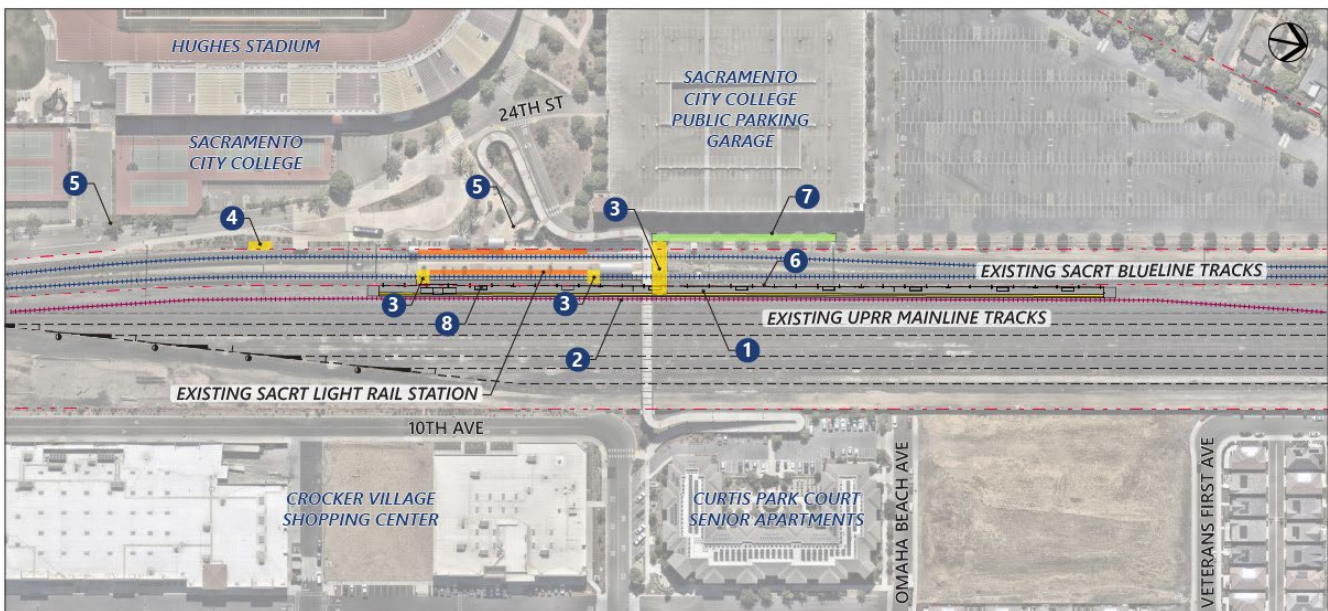
**Item 4**

**ACTION**

**Adopt a Resolution of the San Joaquin Regional Rail Commission Approving an Agreement with Mark Thomas Inc. for Plans, Specifications and Estimates (PS&E) for the Sacramento City College Project for an Amount Not-to-Exceed \$3,420,730 and Authorizing the Executive Director to Negotiate, Award, and Execute Any and All Agreements and Documents Related to the Project Including Approving Any and All Amendments thereto within Her Spending Authority**

Background:

The Sacramento City College Project involves the construction of a new station and track extension near the existing SacRT City College Light-Rail Transit (LRT) station, north of Sutterville Road in Sacramento, CA. The project aims to improve connectivity and functionality for passenger rail services, particularly for ACE trains.



**SJRR SACRAMENTO CITY COLLEGE STATION PROPOSED IMPROVEMENTS**

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>1 New SJRRC side loading platform 975-ft long x 15-ft wide</li> <li>2 New track serving new platform including track crossover just north of 26th Avenue</li> <li>3 New at-grade pedestrian crossings of existing SacRT light rail station platform and tracks</li> <li>4 New SJRRC station systems building and specialty systems serving the new platform including electrical, communications, security, fire protection, plumbing and lighting</li> </ul> | <ul style="list-style-type: none"> <li>5 New station entry signs and wayfinding signs within existing access roads and plaza area</li> <li>6 New security fencing between new SJRRC platform and existing SacRT light rail station platform and tracks</li> <li>7 New SJRRC platform drainage systems and stormwater detention facilities</li> <li>8 New "Elements of Distinction" enhancements on SJRRC platform surface, security fencing and platform shelters to provide station identifier reflecting the local surroundings</li> </ul> |
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## **Planned Improvements in Project Area**

The scope of the agreement for the Plans, Specifications, and Estimates (PS&E) phase of the Project includes but is not limited to the following:

1. Project Management and Oversight
2. Survey
3. Design, Plans, Specification and Estimates
4. Geotechnical Investigations
5. Sub-Surface Utility Investigation (Pot Holing)

### **Key components of the project include:**

- New Passenger Platform
- A 15-foot-wide, 1,000-foot-long at-grade side-loading passenger platform.
- An 8-foot-wide, 300-foot-long extension to facilitate transfers to and from the existing LRT platform.
- Track Construction
- Tracks for ACE trains within the existing station area.
- No additional parking or bus facility expansion is included.
- Crossover Track and Signaling Installation of a crossover track south of the proposed station to allow northbound and southbound passenger trains to pass using the existing track siding.
- Utility Relocations and Signal Infrastructure

### **Procurement Approach:**

On November 27, 2024, the Rail Commission released a Request for Proposals (RFP) via vendor portal PlanetBids. In addition, a Notice Inviting Proposals was shared with surrounding Chambers of Commerce, certified Disadvantaged Business Enterprise (DBE) firms, and posted on TransitTalent.com, which directed interested proposers to PlanetBids. Forty-two firms showed interest by registering on PlanetBids and either viewing or downloading the RFP documents.

On the due date of January 8, 2025, three (3) proposals were received from the following firms:

- Mark Thomas & Company, Inc. – Sacramento, CA
- RailPros, Inc. – Irvine, CA
- TranSystems Corporation – Berkeley, CA

The proposals received were reviewed for completeness and responsiveness. All proposals received were deemed responsive and were evaluated by a panel consisting of Rail Commission Staff.

Following the initial evaluation of the written proposals, the following two (2) firms were invited for interviews and presentations:

- Mark Thomas & Company, Inc.
- RailPros, Inc.

The firms were evaluated on their presentations and responses to the evaluation panel's questions. After the interviews, staff combined the scores from the written proposals and interviews to determine the final score and ranking.

Based on the final score and rankings, the firms are listed in order of rank:

- Mark Thomas & Company, Inc.
- RailPros, Inc.

The Rail Commission and Mark Thomas & Company, Inc. negotiated and agreed to an exact scope and price.

The agreement will be effective upon execution by both parties. The base contract amount of \$3,420,730 is for five (5) years.

The Notice of Intent to Award was published on April 16, 2025. Pursuant to the approved and adopted protest procedure, the proposal protest period will close on May 1, 2025, at 2:00 P.M. PDT. At the time of posting this report, no Proposal Protests were received.

Fiscal Impact:

<b>Project</b>	Sacramento City College
<b>Capital Project Budget Line Item</b>	ACE Valley Rail
<b>Phase for this Agreement</b>	PS&E
<b>Funding Sources for this Phase</b>	State Transportation Improvement Program (STIP), Transit and Intercity Rail Capital Program (TIRCP), Professional Services
<b>Budget for this Phase</b>	\$6,020,000
<b>Encumbrances for this Phase</b>	\$20,000
<b>Budget Remaining for This Phase</b>	\$6,000,000
<b>Agreement Amount</b>	\$3,420,730
<b>Budget Remaining For this Phase if Approved</b>	\$2,579,270

Recommendation:

Adopt a Resolution of the San Joaquin Regional Rail Commission Approving an Agreement with Mark Thomas Inc. for Plans, Specifications and Estimates (PS&E) for the Sacramento City College Project for an Amount Not-to-Exceed \$3,420,730 and Authorizing the Executive Director to Negotiate, Award, and Execute Any and All Agreements and Documents Related to the Project Including Approving Any and All Amendments thereto within Her Spending Authority.

**SAN JOAQUIN REGIONAL RAIL COMMISSION STATION/FACILITIES  
DEVELOPMENT COMMITTEE RESOLUTION 24/25 –**

**RESOLUTION OF THE SAN JOAQUIN REGIONAL RAIL COMMISSION STATION/FACILITIES DEVELOPMENT COMMITTEE APPROVING AN AGREEMENT WITH MARK THOMAS INC. FOR PLANS, SPECIFICATIONS AND ESTIMATES (PS&E) FOR THE SACRAMENTO CITY COLLEGE PROJECT FOR AN AMOUNT NOT-TO-EXCEED \$3,420,730 AND AUTHORIZING THE EXECUTIVE DIRECTOR TO NEGOTIATE, AWARD, AND EXECUTE ANY AND ALL AGREEMENTS AND DOCUMENTS RELATED TO THE PROJECT INCLUDING APPROVING ANY AND ALL AMENDMENTS THERETO WITHIN HER SPENDING AUTHORITY**

WHEREAS, the Sacramento City College Project involves the construction of a new station and track extension near the existing SacRT City College Light-Rail Transit (LRT) station, north of Sutterville Road in Sacramento, CA; and

WHEREAS, the scope of the agreement for the Plans, Specifications, and Estimates (PS&E) phase of the Project includes but is not limited to the following:

1. Project Management and Oversight; and
2. Survey; and
3. Design, Plans, Specification and Estimates; and
4. Geotechnical Investigations; and
5. Sub-Surface Utility Investigation (Pot Holing); and

WHEREAS, the Rail Commission and Mark Thomas & Company, Inc. negotiated and agreed to an exact scope and price; and

WHEREAS, the agreement will be effective upon execution by both parties; and

WHEREAS, the base contract amount of \$3,420,729 is for five (5) years.

NOW, THEREFORE, BE IT RESOLVED that the San Joaquin Regional Rail Commission Station/Facilities Development Committee hereby Approves an Agreement with Mark Thomas Inc. for Plans, Specifications and Estimates (PS&E) for the Sacramento City College Project for an Amount Not-to-Exceed \$3,420,730 and Authorizing the Executive Director to Negotiate, Award, and Execute Any and All Agreements and Documents Related to the Project Including Approving Any and All Amendments thereto within Her Spending Authority.

PASSED AND ADOPTED, by the San Joaquin Regional Rail Commission Station/Facilities Development Committee this 2<sup>nd</sup> day of May 2025, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

SAN JOAQUIN REGIONAL RAIL  
COMMISSION STATION/FACILITIES  
DEVELOPMENT COMMITTEE

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STACEY MORTENSEN, Secretary

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LEO ZUBER, Chair

**SAN JOAQUIN REGIONAL RAIL COMMISSION  
STATION/FACILITIES DEVELOPMENT COMMITTEE**  
Meeting of May 2, 2025

STAFF REPORT

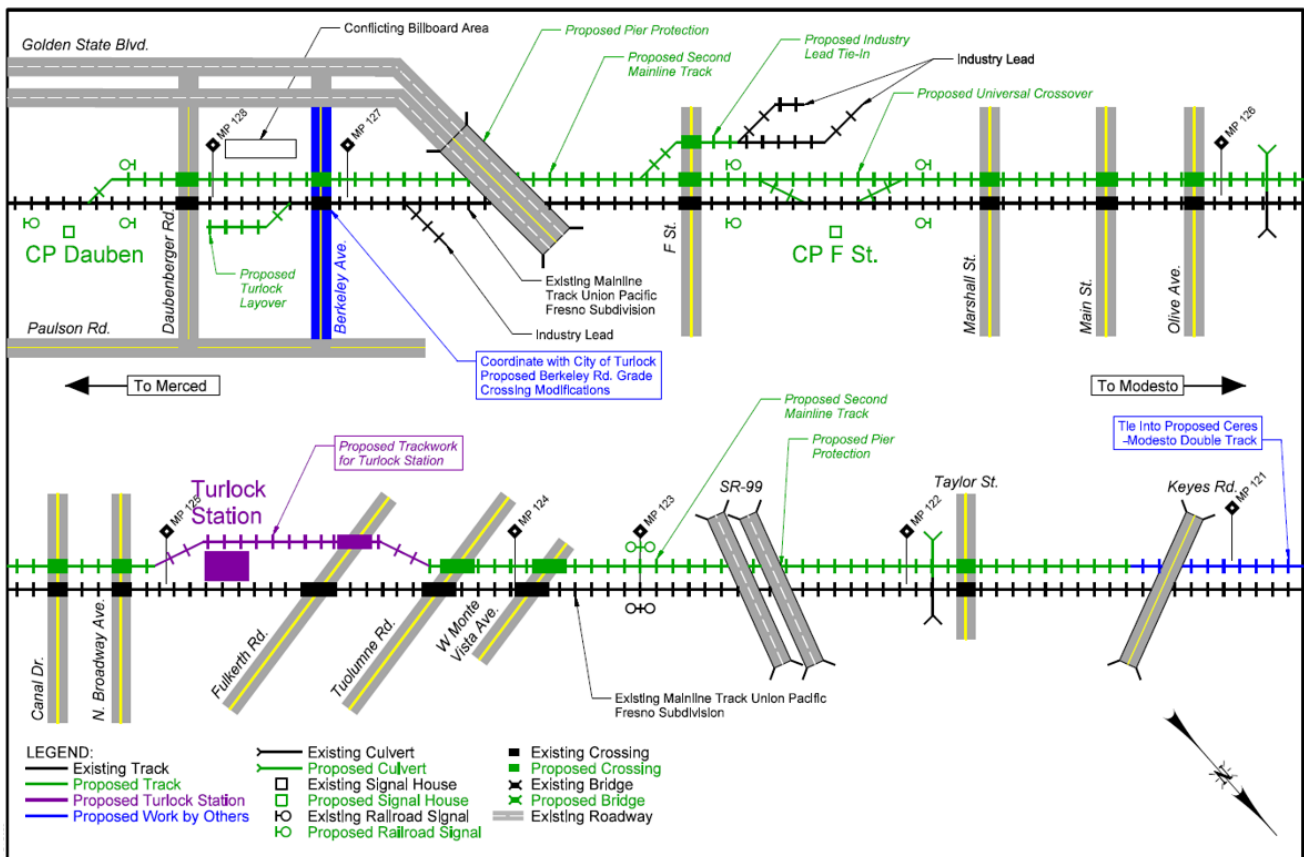
**Item 5**

**ACTION**

**Adopt a Resolution of the San Joaquin Regional Rail Commission Station/Facilities Development Committee Approving Amendment 03 to the Agreement with JMA Civil, Inc. for Plans, Specifications and Estimates (PS&E) for the Ceres to Turlock Double-Track Project Increasing the Compensation Amount by \$257,814 for a New Not-to-Exceed Amount of \$4,101,463 and Authorizing the Executive Director to Negotiate, Award, and Execute Any and All Agreements and Documents Related to the Project including Approving Any and All Amendments thereto within Her Spending Authority**

Background:

The Ceres to Turlock second mainline is located in Stanislaus County on Union Pacific Railroad's (UPRR's) Fresno Subdivision. The Project includes construction of new track and track and signal upgrades to provide a continuous second mainline track along the Subdivision stretching approximately six (6) miles between Keyes and Turlock. The temporary layover near Keyes will be moved to the south end of the track extension.



The Project is currently in the Plans, Specifications, and Estimates (PS&E) phase. The scope of work includes but is not limited to the following:

- Project management
- Surveying
- Design, Specifications, and Estimates, including development of design package
- Design support during the construction phase (optional)

On November 17, 2023, the Station/Facilities Development Committee (Committee) approved an agreement with JMA for PS&E services for a not-to-exceed amount of \$3,506,929 and a term of two (2) years.

On August 9, 2024, Amendment 01 was executed in the amount of \$198,590 for a new not-to-exceed amount of \$3,705,519.

The scope for Amendment 01 included the following:

- Design of Pier Protection at Bent #10 of the Golden State Blvd overhead crossing. Including geotechnical and structural evaluation and design.
- Removal of design of Fulkerth and Broadway Crossings as they are being included in the scope of work for the Turlock Station project and reservation of associated funds.
- Provided updated schedule.

On October 8, 2024, Amendment 02 was executed in the amount of \$138,130 for a new not-to-exceed amount of \$3,843,649.

The scope for Amendment 02 included the following:

- Perform an additional 26 potholes to identify as-built utility locations based on the results of utility research and surveys.

The scope of the proposed Amendment 03 includes the following:

- Fees for extending the Right of Entry Permit with UPRR for Geotechnical Borings and Utility Potholing.
- Additional survey to tie in the datums and plans appropriately for the improvements currently being implemented by Stanislaus County at the Berkeley / Golf Crossing.
- Environmental Permitting Support Services.

Design of Pier Protection at an additional bent (Bent #11) at the Golden State Blvd. overhead crossing at the request of UPRR.

The scope of Amendment 03 was negotiated with JMA based on needs that have arisen since the initial agreement was approved in 2023. The scope is necessary and includes the following items:

- Additional fees to extend the Right of Entry permit with UPRR due to delays in field work related to UPRR processing of right of entry approvals.

- Additional survey to integrate the design for the Stanislaus County improvements at the Berkeley / Golf crossing. The plans and scope of that project were not known at the commencement of JMA’s work and it was not possible to know the extent of survey that would be required to integrate the County plans.
- Environmental Permitting Support. The initial JMA contract included only an assessment to determine what permits would ultimately be required and that the biological studies and permitting support would be added once determined.
- Design of pier protection at an additional bent at the Golden State Overhead Crossing structure. There is existing pier protection at this location, and it was originally assumed no additional protection would be required. UPRR recently determined that since the existing pier is built to older standards the pier protection must be updated as part of the double track project. This item was not originally included in JMA’s scope.

This Amendment 03 will increase the current contract amount of \$3,843,649 by \$257,814 for a new Not-to-Exceed Amount of \$4,101,463.

Procurement Approach:

This Amendment 03 was handled in accordance with the Rail Commission’s Procurement Manual. This amendment will be effective upon execution by both parties and shall continue until November 17, 2025, unless extended in writing.

Procurement and Contracts Staff have confirmed that the price of the amendment is fair and reasonable and that the additional services are reasonable and necessary.

Fiscal Impact:

<b>Project</b>	Ceres to Turlock Double Track
<b>Capital Project Budget Line Item</b>	ACE Valley Rail
<b>Phase for this Agreement</b>	PS&E
<b>Funding Sources for this Phase</b>	Transit and Intercity Rail Capital Program (TRICP), Trade Corridor Enhancement Program (TCEP)
<b>Budget for this Phase</b>	\$16,751,000
<b>Encumbrances for this Phase</b>	\$6,938,219
<b>Budget Remaining for This Phase</b>	\$9,812,781
<b>Agreement Amount</b>	\$257,814
<b>Budget Remaining For this Phase if Approved</b>	\$9,554,967

Recommendation:

Adopt a Resolution of the San Joaquin Regional Rail Commission Station/Facilities Development Committee Approving Amendment 03 to the Agreement with JMA Civil, Inc. for Plans, Specifications and Estimates (PS&E) for the Ceres to Turlock Double-Track Project Increasing the Compensation Amount by \$257,814 for a New Not-to-Exceed Amount of \$4,101,463 and Authorizing the Executive Director to Negotiate, Award, and Execute Any and All Agreements and Documents Related to the Project including Approving Any and All Amendments thereto within Her Spending Authority.

**SAN JOAQUIN REGIONAL RAIL COMMISSION STATION/FACILITIES  
DEVELOPMENT COMMITTEE RESOLUTION 24/25 –**

**RESOLUTION OF THE SAN JOAQUIN REGIONAL RAIL COMMISSION STATION/FACILITIES DEVELOPMENT COMMITTEE APPROVES AMENDMENT 03 TO THE AGREEMENT WITH JMA CIVIL, INC. FOR PLANS, SPECIFICATIONS AND ESTIMATES (PS&E) FOR THE CERES TO TURLOCK DOUBLE-TRACK PROJECT FOR AN AMOUNT NOT-TO-EXCEED \$257,814 FOR A TOTAL AGREEMENT AMOUNT OF \$4,101,463 AND AUTHORIZING THE EXECUTIVE DIRECTOR TO NEGOTIATE, AWARD, AND EXECUTE ANY AND ALL AGREEMENTS AND DOCUMENTS RELATED TO THE PROJECT INCLUDING APPROVING ANY AND ALL AMENDMENTS THERETO WITHIN HER SPENDING AUTHORITY**

WHEREAS, the Ceres to Turlock second mainline is located in Stanislaus County on Union Pacific Railroad's (UPRR's) Fresno Subdivision; and

WHEREAS, the Project includes construction of new track and track and signal upgrades to provide a continuous second mainline track along the Subdivision stretching approximately six (6) miles between Keyes and Turlock; and

WHEREAS, on November 17, 2023, the Station/Facilities Development Committee (Committee) approved an agreement with JMA for PS&E services for a not-to-exceed amount of \$3,506,929 and a term of two years; and

WHEREAS, on August 9, 2024, Amendment 01 was executed in the amount of \$198,590 for 3,705,519; and

WHEREAS, on October 8, 2024, Amendment 02 was executed in the amount of \$138,130 for \$3,843,649; and

WHEREAS, the scope of the proposed Amendment 03 includes the following:

- Fees for extending the Right of Entry Permit with UPRR for Geotechnical Borings and Utility Potholing; and
- Additional survey to tie in the datums and plans appropriately for the improvements currently being implemented by Stanislaus County at the Berkeley / Golf Crossing; and
- Additional Environmental Permitting Support Services; and
- Design of pier protection at an additional bent at the Golden State Overhead Crossing structure, and

WHEREAS, this amendment was handled in accordance with the Rail Commission's Procurement Manual.

NOW, THEREFORE, BE IT RESOLVED that the San Joaquin Regional Rail Commission Station/Facilities Development Committee hereby approves Amendment 03 to the Agreement with JMA Civil, Inc. for Plans, Specifications and Estimates (PS&E) for the Ceres to Turlock Double-Track Project for an Amount Not-to-Exceed \$257,814 for a total Agreement amount of \$4,101,463 and Authorizing the Executive Director to Negotiate, Award, and Execute Any and All Agreements and Documents Related to the Project including Approving Any and All Amendments thereto within Her Spending Authority.

PASSED AND ADOPTED, by the San Joaquin Regional Rail Commission Station/Facilities Development Committee this 2<sup>nd</sup> day of May 2025, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

ATTEST:

SAN JOAQUIN REGIONAL RAIL  
COMMISSION STATION/FACILITIES  
DEVELOPMENT COMMITTEE

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STACEY MORTENSEN, Secretary

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LEO ZUBER, Chair

**SAN JOAQUIN REGIONAL RAIL COMMISSION  
STATION/FACILITIES DEVELOPMENT COMMITTEE**  
Meeting of May 2, 2025

STAFF REPORT

**Item 6**

**ACTION**

**Adopt a Resolution of the San Joaquin Regional Rail Commission Station/Facilities Development Committee Adopting the Elk Grove Station Elements of Distinction, as Set Forth in Attachment A**

Background:

Over the course of the last few years, the Committee has approved Station Design Principles, Guidelines, and Criteria. These iterative steps have provided clear direction to the individual station design teams to progress their designs in accordance with the vision and goals of the program. One of the benefits of these actions is uniformity in design which reduces costs and allows the stations to reflect a sense of place within the broader Valley Rail corridor.

With recognition of the individual contexts of each station, an ‘Elements of Distinction’ process was created to provide an opportunity for a theme to be represented in the station area within defined areas to reflect the local community. The ‘Elements of Distinction’ process was presented to the Committee at its July 2022 meeting.

Staff and consultants have begun to schedule ‘Elements of Distinction’ briefings with the local jurisdictions. The Elements of Distinction process with the City of Elk Grove has progressed with several coordinating briefings having been held. In the first briefing, staff presented the ‘Elements of Distinction’ process and oriented city staff to the station areas available to carry its chosen theme. The briefing largely consisted of Rail Commission staff and consultants listening to the Elk Grove staff share what defines Elk Grove and what themes might be proposed to reflect the city within the station area. In the second briefing, staff presented initial creative concepts oriented around three potential theme choices. Through the briefing discussion, it was determined that an ‘Elk’ would be the prominent theme element. In the third briefing, staff presented multiple creative options for the Elk Theme. The city elected a specific direction with some feedback. The results of these briefings and coordination with the city are represented in Attachment A.

Pending approval, the Elk Grove Station Elements of Distinction will be incorporated into the station design and future agency created materials.

Fiscal Impact:

There is no fiscal impact.

Recommendation:

Adopt a Resolution of the San Joaquin Regional Rail Commission Station/Facilities Development Committee Adopting the Elk Grove Station Elements of Distinction, as Set Forth in Attachment A.

**SAN JOAQUIN REGIONAL RAIL COMMISSION STATION/FACILITIES  
DEVELOPMENT COMMITTEE RESOLUTION 24/25 –**

**RESOLUTION OF THE SAN JOAQUIN REGIONAL RAIL COMMISSION STATION/FACILITIES  
DEVELOPMENT COMMITTEE ADOPTING THE ELK GROVE STATION ELEMENTS OF  
DISTINCTION, AS SET FORTH IN ATTACHMENT A**

WHEREAS, over the course of the last few years, the Committee has approved Station Design Principles, Guidelines, and Criteria; and

WHEREAS, these iterative steps have provided clear direction to the individual station design teams to progress their designs in accordance with the vision and goals of the program; and

WHEREAS, one of the benefits of these actions is uniformity in design which reduces costs and allows the stations to reflect a sense of place within the broader Valley Rail corridor; and

WHEREAS, with recognition of the individual contexts of each station, an ‘Elements of Distinction’ process was created to provide an opportunity for a theme to be represented in the station area within defined areas to reflect the local community; and

WHEREAS, Staff and consultants have begun to schedule ‘Elements of Distinction’ briefings with the local jurisdictions; and

WHEREAS, the Elements of Distinction process with the City of Elk Grove has progressed with several coordinating briefings having been held; and

WHEREAS, it was determined that an ‘Elk’ would be the prominent theme element. In the third briefing, staff presented multiple creative options for the Elk Theme; and

WHEREAS, the results of the briefings and coordination with the City of Elk Grove are represented in Attachment A.

NOW, THEREFORE, BE IT RESOLVED that the San Joaquin Regional Rail Commission Station/Facilities Development Committee hereby Adopts the Elk Grove Station Elements of Distinction, as Set Forth in Attachment A.

PASSED AND ADOPTED, by the San Joaquin Regional Rail Commission Station/Facilities Development Committee this 2<sup>nd</sup> day of May 2025, by the following vote:

AYES:  
NOES:  
ABSENT:  
ABSTAIN:

ATTEST:

SAN JOAQUIN REGIONAL RAIL  
COMMISSION STATION/FACILITIES  
DEVELOPMENT COMMITTEE

\_\_\_\_\_  
STACEY MORTENSEN, Secretary

\_\_\_\_\_  
LEO ZUBER, Chair

STATION LOGO



ROUND ICON



ONE-COLOR ICON



ROUND LOGO

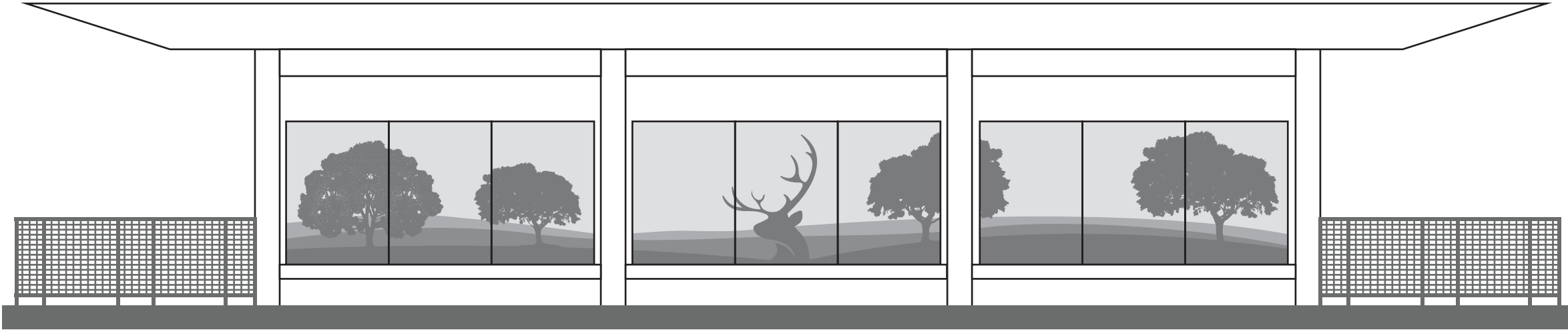


HORIZONTAL LOGO

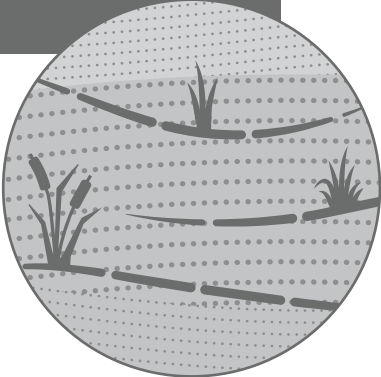
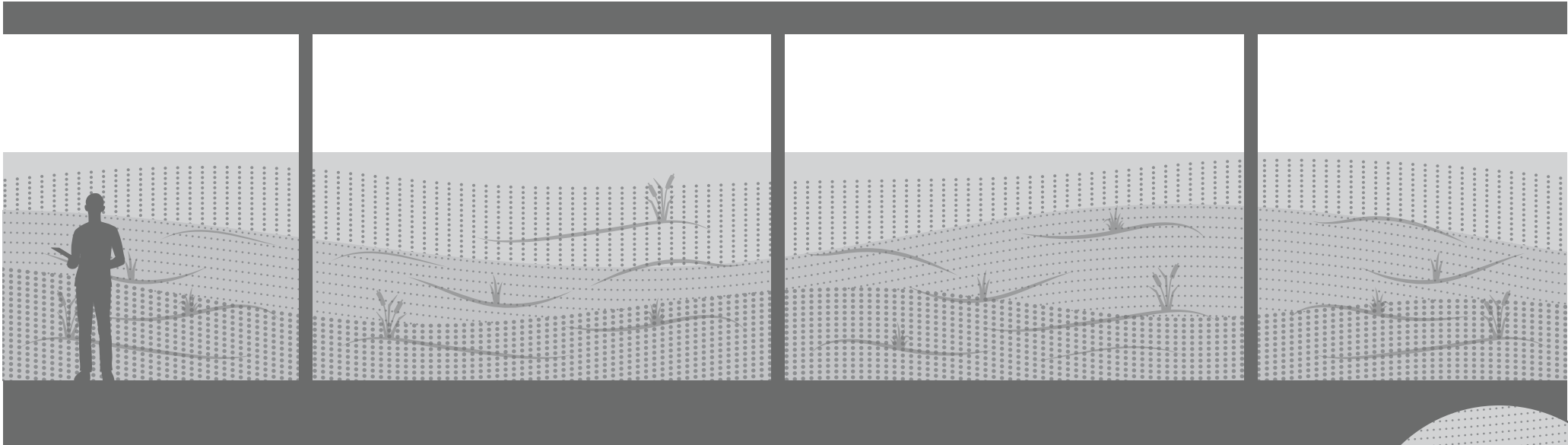


ELK GROVE STAIR TOWER





ELK GROVE PEDESTRIAN OVERCROSSING



**SAN JOAQUIN REGIONAL RAIL COMMISSION  
STATION/FACILITIES DEVELOPMENT COMMITTEE**  
Meeting of May 2, 2025

STAFF REPORT

**Item 7**

**ACTION**

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**Adopt a Resolution of the San Joaquin Regional Rail Commission Station/Facilities Development Committee Amending Chapter 15 (Signage and Wayfinding) of the Valley Rail Station Design Criteria**

Background:

At the January 2024 meeting, the San Joaquin Regional Rail Commission (Rail Commission) approved a contract with Perkins Eastman to assist staff with the Signage and Wayfinding Project. The scope of work included items related to current and future stations with an end deliverable of providing a complete signage and wayfinding manual and the necessary amendments to the Valley Rail Station Design Criteria to ensure the individual station design teams incorporated the signage and wayfinding elements consistently throughout the Valley Rail program.

The project team developed and designed a unified ‘Station Signage and Wayfinding System.’ The Station Signage and Wayfinding System takes into account the differing needs of existing and future stations and connecting services stops, as well as the branding representations present at the station. A key focus for communications will be the differing passenger types: seniors, passengers with disabilities, students, commuters, business travelers, leisure travelers, etc.

The Rail Commission/San Joaquin Joint Powers Authority (Authority) Signage and Wayfinding Manual was approved for use by both the Rail Commission and Authority. To address the needs of the Valley Rail Stations, in addition to the manual which has now been provided to the station design teams, the Valley Rail Station Design Criteria – Ch. 15 Signage and Wayfinding has been updated to reflect the progress and provide direction to the design teams. In addition, an appendix has been created with signage specifications which are to be used by the design teams on drawings related to signage to ensure consistency of materiality, mounting, standards, and other criteria.

Fiscal Impact:

There is no fiscal impact.

Recommendation:

Adopt a Resolution of the San Joaquin Regional Rail Commission Station/Facilities Development Committee Amending Chapter 15 (Signage and Wayfinding) of the Valley Rail Station Design Criteria.

**SAN JOAQUIN REGIONAL RAIL COMMISSION STATION/FACILITIES  
DEVELOPMENT COMMITTEE RESOLUTION 24/25 –**

**RESOLUTION OF THE SAN JOAQUIN REGIONAL RAIL COMMISSION  
STATION/FACILITIES DEVELOPMENT COMMITTEE AMENDING CHAPTER 15 (SIGNAGE  
AND WAYFINDING) OF THE VALLEY RAIL STATION DESIGN CRITERIA**

WHEREAS, at the January 2024 meeting, the San Joaquin Regional Rail Commission (Rail Commission) approved a contract with Perkins Eastman to assist staff with the Signage and Wayfinding Project; and

WHEREAS, the Station Signage and Wayfinding System takes into account the differing needs of existing and future stations and connecting services stops, as well as the branding representations present at the station; and

WHEREAS, the Rail Commission/San Joaquin Joint Powers Authority (Authority) Signage and Wayfinding Manual was approved for use by both the Rail Commission and Authority; and

WHEREAS, to address the needs of the Valley Rail Stations, in addition to the manual which has now been provided to the station design teams, the Valley Rail Station Design Criteria – Ch. 15 Signage and Wayfinding has been updated to reflect the progress and provide direction to the design teams; and

WHEREAS, an appendix has been created with signage specifications which are to be used by the design teams on drawings related to signage to ensure consistency of materiality, mounting, standards, and other criteria.

NOW, THEREFORE, BE IT RESOLVED that the San Joaquin Regional Rail Commission Station/Facilities Development Committee is hereby Amends Chapter 15 (Signage and Wayfinding) of the Valley Rail Station Design Criteria.

PASSED AND ADOPTED, by the San Joaquin Regional Rail Commission Station/Facilities Development Committee this 2<sup>nd</sup> day of May 2025, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

ATTEST:

SAN JOAQUIN REGIONAL RAIL  
COMMISSION STATION/FACILITIES  
DEVELOPMENT COMMITTEE

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STACEY MORTENSEN, Secretary

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LEO ZUBER, Chair

## SECTION 10 14 00 - SIGNAGE

### PART 1 - GENERAL

#### 1.1 SUMMARY

A. This section specifies the requirements for the design, fabrication, installation, and maintenance of Valley Rail signage and wayfinding.

B. Section Includes:

1. Exterior and interior wayfinding signage for station areas, platforms, and parking areas, including pole-mounted signs, wall-mounted signs, railing-mounted signs, traffic signs, monument signs, ADA-compliant signs, informational signs, digital signs, and map boxes.

C. Related Sections:

1. Section 03 30 00 - Cast-in-Place Concrete: For sign pole footings.
2. Section 26 50 00 - Lighting: For coordination of illuminated signage power supply.
3. Section 32 17 00 - Pavement Markings: For related traffic control markings.

#### 1.2 REFERENCES

A. Applicable Standards:

1. Americans with Disabilities Act (ADA) Accessibility Guidelines (ADAAG).
2. Manual on Uniform Traffic Control Devices (MUTCD).
3. ASTM D4956 - Standard Specification for Retroreflective Sheeting for Traffic Control.
4. National Fire Protection Association (NFPA) 130.
5. ISO 7001 - Public Information Symbols.
6. AASHTO Guide for the Planning, Design, and Operation of Pedestrian Facilities.
7. EN 62262 - Degrees of Protection Provided by Enclosures for Electrical Equipment Against External Mechanical Impacts (IK Code).
8. UL 924 - Standard for Emergency Lighting and Power Equipment.
9. Local and building codes and transit authority standards.

#### 1.3 SUBMITTALS

A. Required Documentation:

1. Product Data: Manufacturer's data sheets for all signage materials, mounting hardware, and illumination components. Include recommended adhesives and fasteners.
2. Shop Drawings: Dimensions, mounting details and heights, text layout, and color schemes for each sign type, as well as required accessories. Include fabrication and

installation details and attachments to other work. Include message list for each sign type and include typestyles, graphic elements, raised characters and braille and layout for each sign type.

3. Samples: Physical samples of materials, finishes, and typography for approval. Panel signs require a full size sample. Architect approval of each finish color required for approval to align with system-wide standards.
4. Maintenance Instructions: Guidelines for cleaning, repair, and replacement of signage components.
5. Sustainability Certifications: Product data verifying compliance with environmental standards (e.g., recycled content, low-VOC finishes).

#### 1.4 QUALITY ASSURANCE

##### A. Qualifications:

1. Manufacturer Qualifications: Minimum 5 years of experience in producing static and digital signage for public transit facilities.
2. Installer Qualifications: Certified by the manufacturer or equivalent experience in signage installation.
3. Regulatory Compliance: All signage to meet ADAAG, MUTCD, NFPA 130, and local codes as applicable.

#### 1.5 DELIVERY, STORAGE, AND HANDLING

##### A. Storage and Protection:

1. Deliver signage components in protective packaging to prevent damage.
2. Store materials in a dry, secure location, off the ground, and protected from weather.

#### 1.6 WARRANTY

##### A. Static Sign Manufacturer's Warranty:

1. Minimum 5 years against defects in materials and workmanship, including fading, cracking, and delamination, deterioration of embedded graphic images, and deterioration of finishes beyond normal weathering

##### B. Digital Display Signs Warranty:

1. Minimum 3-year manufacturer's warranty covering parts and labor.
2. Extended service and maintenance options available.

#### 1.7 SUSTAINABILITY REQUIREMENTS

A. Materials:

1. Use recycled or recyclable materials where feasible (e.g., aluminum with minimum 50% recycled content).
2. Specify low-VOC (volatile organic compound) finishes and adhesives to meet indoor air quality standards.

B. Energy Efficiency:

1. LED lighting and digital displays shall comply with ENERGY STAR or equivalent energy efficiency standards.

C. Documentation:

1. Submit sustainability certifications or product data verifying compliance with environmental standards.

PART 2 - PRODUCTS

2.1 STATIC SIGN REQUIREMENTS

A. Sign Panels:

1. Signs shall be fabricated using high-performance, durable materials suitable for indoor and outdoor applications. Panel shall be smooth with uniform surfaces, with message and characters having uniform faces, clean corners and precisely formed lines and profiles.
2. Materials shall be resistant to UV radiation, weathering, and vandalism.
3. Aluminum (minimum thickness 0.080-inch) with anti-corrosive coating shall be used for exterior signs.
4. Acrylic or polycarbonate sheeting shall be used for illuminated signs.

B. Lettering and Graphics:

1. Typeface shall be per the SJRRC Sign Manual.
2. Letter height shall comply with the Sign Manual, ADA, and MUTCD standards, with a minimum of 5/8 inch for tactile signs.
3. Accessible graphics shall use internationally recognized symbols, consistent with ISO 7001 and ADA requirements.

C. Colors must match with those specified in the manual, regardless of the standard offerings of a particular manufacturer. Colors must be matched precisely to the standards of the signage manual, which may require customization.

#### D. Placement Guidelines:

1. Wayfinding signs shall be positioned per the sign manual at key decision points such as platforms, parking areas, plazas, entrances, exits, ticketing areas, and station access points.
2. Signage shall be installed in locations that avoid obstructions and maintain clear sightlines.

## 2.2 MOUNTING TYPES

#### A. Pole-Mounted Signs:

1. Material: Extruded aluminum or galvanized steel, 4" diameter, powder-coated finish.
2. Mounting: Double-sided brackets with tamper-resistant stainless-steel hardware.
3. Pole Foundations: Per Station Structural Engineer.

#### B. Wall-Mounted Signs:

1. Installed using expansion anchors or adhesive bonding.
2. ADA-compliant tactile signs shall be mounted at 48 to 60 inches above finished floor level.

## 2.3 ILLUMINATION

#### A. Requirements:

1. Internally illuminated signs shall use LED lighting with a minimum lifespan of 50,000 hours.
2. Emergency and exit signs shall be self-luminous or photoluminescent, compliant with NFPA 130 and UL 924.

## 2.4 DIGITAL DISPLAY SIGN SYSTEM REQUIREMENTS

#### A. Features:

1. Digital display signs for use in transit facilities, public spaces, and commercial applications.

#### B. Work Includes:

1. Digital display units with integrated controllers.
2. Communication and power infrastructure.
3. Mounting and installation requirements.
4. Integration with existing or new communication systems.
5. Testing and commissioning.

#### Display Specifications:

1. Technology: LED-backlit LCD or OLED.
2. Resolution: Minimum 1080p (1920x1080) or higher.
3. Brightness: Minimum 700 nits for indoor, 2500 nits for outdoor applications.
4. Contrast Ratio: Minimum 3000:1.
5. Viewing Angle: 178 degrees horizontal and vertical.
6. Refresh Rate: 60 Hz minimum.
7. Operational Temperature: -20°C to +50°C (-4°F to +122°F).
8. IP Rating: Minimum IP54 for outdoor applications.

#### D. Communication Protocols:

1. Ethernet (RJ-45, 100/1000 Mbps, IPv4/IPv6 compatible).
2. Wi-Fi (802.11a/b/g/n/ac, WPA2 security compliance).
3. RS-232 for direct control and troubleshooting.
4. HDMI and DisplayPort for direct video input.
5. Open API for software integration with third-party systems.
6. NTCIP 1203 compliance for transit applications.
7. MQTT and WebSocket support for real-time data streaming.

#### E. Content Management:

1. Compatible with central management system (CMS).
2. Capable of displaying real-time and scheduled information.
3. Remote diagnostics and health monitoring.
4. Support for video, text, and graphical content.

#### 5. Auto-adjust brightness based on ambient lighting.

#### F. Electrical Requirements:

1. Input Voltage: 110-240V AC, 50/60Hz.
2. Power Consumption: Maximum 250W per unit.
3. Surge Protection: Integrated power conditioning and transient voltage surge suppression (TVSS).

#### G. Additional Features:

1. High-resolution LED or LCD panels with brightness adjustment.
2. Remotely updatable content management system.
3. Minimum IP65 rating for outdoor applications.
4. Interactive digital kiosks shall comply with ADA accessibility standards for touch interfaces.

## .1 MANUFACTURERS

A. Acceptable Manufacturers: Subject to compliance with project requirements, Buy America digital display signs shall be provided by one of the following or an approved equal:

1. Daktronics.
2. LG Electronics.
3. Samsung.
4. NEC Display Solutions.
5. Other approved manufacturers meeting the specified requirements.

## 2.5 MAP BOXES

A. Design Requirements:

1. Weatherproof and lockable design.
2. Constructed from stainless steel or aluminum with an anti-graffiti coating.
3. Clear polycarbonate cover for protection.

## 2.7 VANDALISM AND SECURITY FEATURES

A. Anti-Tamper Design:

1. Use concealed or tamper-proof fasteners (e.g., Torx security screws) for all exposed hardware.
2. Digital displays and map boxes shall include lockable access panels with keyed or electronic locks.

B. Impact Resistance:

3. Exterior signs shall withstand minimum IK08 impact rating (per EN 62262) or equivalent.
4. Polycarbonate covers shall resist scratching and cracking from common vandalism (e.g., key scratches).

C. Surveillance Integration:

5. Provide optional mounting points or conduit pathways for security cameras near digital signs or high-traffic areas.

## 2.8 EMERGENCY SIGNAGE

A. Purpose: Direct passengers to safety during emergencies (e.g., fire, evacuation).

B. Features:

6. Photoluminescent or battery-backed illuminated signs with minimum 90-minute runtime per NFPA 130.
7. Text: "Emergency Exit," "Evacuation Route," or similar, with directional arrows.
8. Mounting: Wall or ceiling-mounted at exits and along egress paths.

C. Compliance: Meet NFPA 130, UL 924, and local fire marshal requirements.

## 2.9 AUDIO COMPONENTS

A. Purpose: Enhance accessibility for visually impaired users at digital signs or key decision points.

B. Features:

9. Integrated speakers with adjustable volume (e.g., 70-90 dB output).
10. Activated by push-button or proximity sensor, compliant with ADAAG 309.4 (operable parts).
11. Content: Audible announcements of train arrivals, directions, or emergency alerts.

C. Specifications:

1. Weatherproof (IP65-rated) for outdoor use.
2. Compatible with digital display CMS for synchronized audio-visual updates.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

A. Site Verification:

1. Verify site conditions and mounting surfaces prior to installation.
  1. Examine substrates, areas and conditions with installer present, for compliance with requirements for tolerances and other conditions before performance of work.
2. Coordinate with other trades for electrical connections and concrete bases.
3. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 INSTALLATION

A. General Installation:

1. Install signage per manufacturer's instructions and approved shop drawings.
2. Ensure level, plumb, and secure mounting with tamper-resistant hardware.
3. Maintain ADA clearances and unobstructed access.
4. Corrosion protection: coat concealed surfaces of exterior aluminum in contact with grout, concrete, masonry, wood or dissimilar metals, with a heavy coat of bituminous paint.

B. Digital Display Signs Installation:

1. Install digital display signs in accordance with the manufacturer's instructions.
2. Provide structural supports as required to ensure stability and compliance with local building codes.
3. Ensure proper sealing for outdoor-rated displays to protect against environmental factors.
4. Digital display units shall utilize high-resolution LED or LCD panels with brightness adjustment capabilities.
5. Displays shall be readable under all lighting conditions, including direct sunlight.
6. Content shall be remotely updatable via a centralized content management system.
7. Screens shall have a minimum IP65 rating for outdoor applications.
8. Mounting: Surface-mounted, or pole-mounted, or wall mounted configurations as specified.
9. Secure mounting brackets to wall or sign structure per station structural engineer-approved plans.
10. Verify sightlines and glare reduction before final installation.
11. All Accessible Signage, or signage that occurs within an accessible path of travel, shall be installed to meet current CBC Chapter 11B requirements.

1. Communication Integration:

- a. Connect displays to the central content management system (CMS).
- b. Verify and configure network settings per IT and security requirements.
- c. Ensure redundancy and failover mechanisms for critical signage locations.

12. Testing and Commissioning:

- a. Power on and confirm display functionality.
- b. Perform communication and network connectivity tests.
- c. Load and verify sample content playback.
- d. Conduct final acceptance test with owner and commissioning agent.
- e. Provide end-user training and documentation.

13. Fabrication of spare sign parts (attic stock).

**TBD**

D. Static Display Case Installation:

1. Display case shall be weatherproof and lockable, designed for easy access and updating.
2. Constructed from stainless steel or aluminum with an anti-graffiti coating.
3. Shall include a clear polycarbonate cover to protect printed maps while ensuring visibility.

4. Mounted at a max top of box height of 96" to 108" and min bottom of box height 32" for accessibility.

### 3.3 FIELD QUALITY CONTROL

#### A. Inspection and Testing:

1. Inspect signage for alignment, visibility, and illumination functionality.
2. Test digital signs for display accuracy and remote updates.

### 3.4 CLEANING AND PROTECTION

#### A. Maintenance Procedures:

1. Clean signage surfaces prior to substantial completion.
2. Protect installed signs from damage during construction.
3. Remove and replace damaged or deformed signs and signs that do not comply with specified requirements.
4. Remove temporary protective coverings and strippable films as signs are installed, or as construction activities are completed.

### 3.5 TRAINING

#### A. Provide training for transit authority staff on:

1. Operation and updating of digital signage content management system (CMS).
2. Routine maintenance procedures (e.g., cleaning, bulb replacement).

END OF SECTION 10 14 00

## **CHAPTER 15 – SIGNAGE AND WAYFINDING**

### **15.1 General**

This chapter establishes the design criteria, placement, material selection, and performance requirements for signage and wayfinding across San Joaquin Regional Rail Commission (SJRRRC) Valley Rail Stations and facilities. Signage and wayfinding shall be implemented in accordance with the latest edition of the SJRRRC & SJJPA Signage & Wayfinding Standards Manual (hereafter "Sign Manual") II signage shall meet Americans with Disabilities Act (ADA) standards.

Where site conditions necessitate deviations from the manual, signage placement should align as closely as possible with the specified locations while adhering to the 4Cs of wayfinding—Consistency, Continuity, Connectivity, and Confirmation—to facilitate intuitive and efficient navigation throughout the transit system.

All signage shall comply with the Americans with Disabilities Act (ADA) standards, including requirements for Braille, raised characters, and pictograms where applicable. In cases of discrepancies or ambiguities, ADA compliance takes precedence. Wayfinding elements shall support intuitive navigation with clear, visible, and easily identifiable circulation paths.

### **15.2 References, Standards, Regulations, Codes, and Guidelines**

#### **15.2.1 Industry Standards**

- AASHTO Guide for the Planning, Design, and Operation of Pedestrian Facilities
- ASTM D4956: Standard Specification for Retroreflective Sheeting
- ISO 7001: Public Information Symbols
- NFPA 130: Standard for Fixed Guideway Transit and Passenger Rail Systems (Fire Safety)
- UL 924: Standard for Emergency Lighting and Power Equipment
- EN 62262: Degrees of Protection Provided by Enclosures for Electrical Equipment Against External Mechanical Impacts (IK Code)

#### **15.2.2 Federal, State, and Local Standards**

- Americans with Disabilities Act Accessibility Guidelines (ADAAG)
- Manual on Uniform Traffic Control Devices (MUTCD)
- California Building Code (CBC), including Title 24 Accessibility Standards
- Federal Railroad Administration (FRA) and Federal Transit Administration (FTA) Regulations
- Local Building Codes and Authorities Having Jurisdiction (AHJ) Standards
- Amtrak Signage and Wayfinding Guidelines (for reference)
- Metropolitan Transportation Commission (MTC) Signage and Wayfinding Standards (for guidance)

#### **15.2.3 SJRRRC Stakeholders**

- Customer Experience and Marketing
- Capital Projects and Construction
- Maintenance and Operations

### 15.3 Design Criteria / Application

These criteria, in conjunction with the SJRRC & SJJPA Signage & Wayfinding Standards Manual and relevant specification sections, establish a performance-based framework for the design, fabrication, and installation of signage across all project sites. The framework facilitates clarity, consistency, and durability while allowing flexibility to accommodate site-specific conditions. The manual provides detailed sign designs (e.g., message content, graphics, fonts, colors, locations, and mounting concepts) together with sign placement strategies as a guiding framework that should be followed wherever practical rather than rigid requirements, enabling adaptation to project needs while maintaining wayfinding effectiveness, accessibility, and durability standards.

#### 15.3.1 Roles and Responsibilities

Each Valley Rail Station team plays a critical role in implementing these standards:

- The **Station-Specific Design Team** applies the manual to develop and engineer signage solutions appropriate for the site. Verifies compliance with ADAAG, CBC Title 24, and FRA/FTA regulations
- The **Sign Fabricator** translates approved designs into shop drawings and fabricates signage and sign enclosures that meet performance, durability, and design intent. They resolve fabrication challenges with the Design Team while maintaining design integrity. The Sign Fabricator may also install signage as coordinated through the General Contractor.
- The **General Contractor** installs signage infrastructure, including structural supports, electrical and communication connections, and final placement, ensuring compliance with project requirements. Either the General Contractor and or the Sign Fabricator installs the signage.

#### Station-Specific Design Team

Responsibilities include:

- Developing final sign designs based on site-specific conditions.
- Engineering signs to meet structural, material, and environmental requirements.
- Ensuring compliance with the intent and performance standards of the Sign Manual.
- Coordinating signage placement and integration with other site elements for optimal visibility and wayfinding.
- Compliance with applicable codes and regulations including ADAAG, CBC Title 24, and FRA/FTA regulations.

#### Sign Fabricator

Responsibilities include:

- Producing shop drawings, engineering calculations, and fabrication plans to facilitate manufacturability and structural integrity.
- Ensuring fabrication meets material, durability, and performance standards outlined in the manual.
- Executing high-quality construction and finishing processes.
- Collaborating with the Project-Specific Design Team to resolve fabrication challenges while maintaining design integrity.

### **General Contractor**

Responsibilities include:

- Installing structural components (e.g., foundations, mounting systems, enclosures) to support signage.
- Providing electrical and communication infrastructure for illuminated and digital signage.
- Coordinating with the Sign Fabricator for precise integration with site conditions.
- Ensuring compliance with local codes, accessibility standards, and safety regulations during installation.
- Conducting final inspections per ASTM E329 addressing site-related modifications for proper sign function.

### **Sign Manual and Criteria**

The Sign Manual and Criteria serve as the foundation for signage design and implementation, ensuring consistency while allowing site-specific flexibility. The manual provides:

- Specific sign designs, including messages, graphics, fonts, colors, locations, and mounting concepts.
- General design principles, material standards, and wayfinding strategies.
- Performance requirements for visibility, durability, and accessibility.
- Guidelines for integration with architectural and urban design elements.

#### **15.3.2 Design Considerations**

All signage and wayfinding elements shall adhere to the SJRRC & SJJPA Signage & Wayfinding Standards Manual as the primary design reference.

1. Refer to the manual for details on location, content, layout requirements, fonts, colors, and logo treatments.
2. Where site-specific conditions require modifications, design guidelines shall be applied to facilitate consistency with the established system.
3. Signage must comply with ADA, MUTCD, California Building Code (CBC), and other applicable state and local regulations. Fonts and colors shall meet universal accessibility requirements (e.g., size, style, contrast). SJRRC design language (e.g., colors, logos, branding) shall be integrated to maintain system-wide visual cohesion.

4. Additional signage may be incorporated beyond platforms (e.g., entry points, circulation paths, concourses, parking areas, intermodal connections) to facilitate a seamless wayfinding experience, aligning with SJRRC & SJJPA guidelines.
5. ADA-compliant tactile wayfinding solutions (e.g., raised bars, domes, directional tiles) shall assist visually impaired pedestrians in following paths of travel.
6. Sign manufacturing shall prioritize standardized, off-the-shelf items from multiple suppliers over custom or single-source items to enhance availability and reduce costs.

### **15.3.3 Life Cycle Objectives and Performance Standards**

The signage and wayfinding system shall facilitate long-term durability, ease of maintenance, and cost-effectiveness while maintaining a high-quality passenger experience. Material selection, fabrication methods, and installation strategies shall prioritize efficiency, standardization, and resilience.

#### **Life Cycle Objectives**

1. Maximize ease of fabrication and installation to streamline production and reduce labor costs.
2. Use widely available, durable materials and finishes to enhance longevity and minimize supply chain constraints.
3. Minimize the number of components and shapes to simplify manufacturing, assembly, and replacement.
4. Reduce long-term maintenance and lifecycle costs with materials and finishes that withstand environmental and operational conditions typical in the Central Valley and local environs.
5. Facilitate ease of replacement with modular, standardized elements that can be readily swapped.
6. Utilize interchangeable materials across all SJRRC signage for consistency and efficient repairs.
7. Select finishes that facilitate easy maintenance and cleaning to uphold visual integrity and readability throughout the signage lifespan.
8. Use protective wrapping and storage methods to safeguard signs from fabrication to installation, preventing damage and preserving material integrity.

#### **Performance Standards**

1. Durability
  - a High-performance materials shall resist wear, impact, UV radiation, and extreme weather conditions.
  - b Materials must retain color fastness and structural integrity over their useful life.
2. Low Maintenance
  - a Materials shall minimize lifecycle maintenance costs.

- b Surfaces shall allow easy removal of dirt, stains, and graffiti using SJRRC-approved cleaning agents.

### 15.3.4 Signage Types

The SJRRC signage and wayfinding system includes static and digital signage, each serving distinct functions to enhance navigation, accessibility, and safety. These signs provide clear and consistent information for passengers, visitors, and staff, ensuring efficient movement throughout the transit environment. Digital signage is intended to incorporate variable messaging and in certain locations may be suitable for policy guidance, multi-lingual information, advertising and promotions.

#### Static Signage

Static signs provide fixed, location-based information essential for wayfinding, regulatory compliance, and transit operations.

##### 1. Monument Signs

Monument Signs: Freestanding station identifiers located at major entry points, integrating branding, major transit services, and architectural design.

##### 2. Station Identification Signs:

- High-visibility signs marking station locations, including:
  - Platform Station Name Signs – Identifies platform locations.
  - Track Numbering Signs – Indicates track assignments.

##### 3. Wayfinding Signs

Wayfinding signage provides directional guidance to help users navigate transit environments efficiently:

- Maps, directional arrows, and distance markers.
- Guidance to platforms, exits, restrooms, and transit connections.
- Multi-modal connections, including bus, rail, bike, and pedestrian pathways.
- Pedestrian Directional Signs – Guides users to station entries, platforms and key facilities.

##### 4. Regulatory Signs

Regulatory signage facilitates compliance with safety policies, operational procedures, and accessibility requirements:

- Fare enforcement, smoking bans, and no trespassing notices.
- ADA and Title 24-compliant signage for accessibility.
- Emergency instructions and restrictions for safety and security.

##### 5. Parking & Circulation (Including Bikes)

This signage type supports vehicular, bicycle, and pedestrian movement within transit areas:

- Vehicular Directional & Parking Signs – Directs drivers to parking areas, drop-off zones, and bus loading bays.

##### 6. Bicycle Parking & Circulation Signs – Identifies **bike** storage, routes, and shared paths.

- Reserved, ADA, and electric vehicle charging signs.
7. Ticketing, Kiosks, & Informational Signs
 

These signs provide fare collection, transit services, and general passenger guidance:

    - Ticketing Signs – Indicates fare collection points, ticket vending machines (TVMs), and payment zones.
    - Kiosk Displays – Interactive and static kiosks for schedules, maps, and service alerts.
    - Informational Signs – Transit policies, station services, and passenger guidance.
  8. Static Display Cases
    - Weatherproof, lockable enclosures for transit maps, schedules, notices, and general information.

## Digital Signage

Digital signage enhances transit communication by delivering real-time, accessible, and dynamic information. The following criteria facilitate effectiveness, compliance, and user focus across SJRRC Valley Rail Stations:

1. Purpose and Functionality
  - Provide real-time updates (e.g., arrivals, service alerts), policy guidance (e.g., rules, safety messages), and multilingual content.
  - Support emergency messaging with full-screen overrides per Common Alerting Protocol (CAP) standards.
2. Accessibility and Inclusivity
  - Comply with ADA and Section 508 of the Rehabilitation Act of 1973, including visual paging for audible announcements, and high-contrast, sans-serif fonts at digital display panels and information Kiosks equipped with digital displays.
  - Display critical information in both English and prevalent languages, using cycling or side-by-side translations.
  - Position screens at wheelchair height (36"–48" AFF) with non-glare finishes for readability.
3. Content Design and Prioritization
  - Prioritize real-time transit data and information over ads using zoned layouts or scheduled slots.
  - Facilitate legibility with large fonts, slow-scrolling text, and consistent terminology/icons per agency style guides.
  - Integrate advertising thoughtfully, pausing for urgent updates.
4. Technology and Integration
  - Use GTFS-real-time or SIRI for live data feeds from GPS/AVL systems, managed via a centralized CMS for system-wide consistency.
  - Deploy durable hardware: LCD/LED for stations, solar-powered e-ink for bus stops, with backup power and weatherproofing (e.g., IP65 rating).
  - Support interactive features (e.g., touchscreens for trip planning) and context-aware messaging (e.g., location/time-specific info).

## 5. Performance and Maintenance

- Facilitate accuracy with redundant data sources and remote monitoring to maintain reliability.
- Schedule quarterly cleaning and monthly checks for digital displays, using standardized components for easy replacement.

## 6. Digital Passenger Information Displays

- Customer Information Screens (D1) – Multi-color LCD displays with real-time arrivals, departures, and alerts.
- Digital Posters (D2) – Electronic displays for alerts, advertising, and transit schedules.
- Passenger Information Displays (PIDs) (D3) – Located at platforms, concourses, and waiting areas, providing live train status updates.

## 7. CALPIDS Compliance

All SJRRC Passenger Information Displays (PIDs) shall comply with the California Passenger Information Display System (CALPIDS) for a standardized, accessible, and reliable real-time transit information system:

- a. Real-Time Train Information – Displays departure/arrival times, platform assignments, and service advisories.
- b. Accessibility Compliance – Meets ADA requirements (high-contrast text, large fonts, and text-to-speech integration).
- c. Multi-Modal Integration – Displays connecting bus, shuttle, and regional rail information.
- d. Standardized Messaging – Uses consistent formatting and terminology per CALPIDS guidelines.
- e. Emergency Messaging – Provides urgent notifications, safety alerts, and disruption updates.
- f. Reliability – Facilitates high uptime and accuracy through system monitoring.

### 15.3.5 Placement and Mounting

Signage placement shall comply with the signage and wayfinding manual for each typical station configuration. Platforms and vertical circulation to the platform shall adhere to the layouts specified in the manual. Plazas and bus pick-up locations shall follow these layouts as closely as possible, while parking and circulation shall align with the overall design intent. Signs shall be positioned to maximize visibility, accessibility, and compliance with ADA, safety, and regulatory standards, following the intent of the Sign Manual. Placement shall prioritize key locations to facilitate efficient navigation while minimizing visual clutter

### Sign Mounting Types

#### 1. Monument Signs

Freestanding signs with an internal rigid steel structure, typically mounted on a concrete foundation to ensure stability. Used for station and service identification.

#### Mounting Criteria

- Use an internal galvanized structural steel or aluminum frame designed to withstand wind loads and seismic per local code requirements.
- Base secured with embedded anchor bolts on a reinforced concrete footing.
- Utilize weather-resistant signage and cladding materials for long-term durability.
- Integrate backlighting and floodlighting where required for visibility in low-light conditions.
- Incorporate detachable blind attachments to allow for easy removal and replacement of panels while ensuring access to internal lighting.
- Design enclosures to prevent the ingress of animals and insects, using sealed seams, gaskets, or mesh barriers where needed.

## 2. Kiosks

Freestanding vertical enclosures that incorporate multiple signs, maps, digital displays, and emergency communications. Used in station plazas and high-traffic areas.

### Mounting Criteria

- Construct with a rigid internal steel or aluminum framework for enhanced stability.
- Incorporate drainage channels and gasket-sealed joints to prevent water intrusion and condensation.
- Secure with reinforced concrete footings or bolted to a concrete slab.
- Use weatherproof enclosures to protect static signage and digital displays.
- Include locking mechanisms for display security and maintenance access.
- Incorporate detachable blind attachments for ease of panel removal and lighting maintenance, with sealed enclosures to prevent the ingress of animals and insects.
- Provide access panels with 110V outlets for maintenance personnel.
- Include active cooling systems as required to maintain internal temperatures within the manufacturer's specified operating range for electronic equipment
- Impact Resistance: Construct to withstand IK10-rated impacts for vandal protection.
- Tamper-Resistant Fasteners: Use concealed or tamper-proof bolts and locks.
- Shatterproof Display Covers: Opt for laminated glass or polycarbonate panels.
- Surveillance Integration: Provide mounting points or internal wiring for security cameras if needed.
- Graffiti-Resistant Coating: Apply protective films or coatings for easy cleaning.

### Electrical and Cooling Systems

- Power Redundancy:
  - Provide connection to the Station's backup power systems for emergency communication reliability.
  - Ensure power circuits comply with station electrical distribution requirements.
- Cooling and Ventilation:
  - Passive cooling: Utilize ventilation grilles with insect-proof screens.
  - Active cooling: Use fans or HVAC-integrated systems for heat-sensitive digital equipment.
- Interior Cable Management:

- Incorporate conduit routing and cable trays to keep wiring organized and accessible.
- Include service access points for future upgrade.

### **Security and Vandalism Prevention**

- Impact Resistance: Construct kiosks with IK10-rated materials for vandal protection.
- Tamper-Resistant Fasteners: Use concealed or tamper-proof bolts and locks.
- Shatterproof Display Covers: Use laminated glass or polycarbonate panels to prevent breakage.
- Surveillance Integration:
  - Provide internal wiring or mounting points for security cameras.
  - Consider integration with station-wide security systems.
- Graffiti-Resistant Coating: Apply protective films or coatings for easy cleaning.

### **User Accessibility and ADA Compliance**

- Touchscreen/Digital Interface Height: Ensure screens are within ADA-compliant reach ranges (15"–48" AFF for unobstructed access).
- Tactile and Audio Support:
  - Provide Braille instructions, tactile buttons, and audio output for visually impaired users.
  - Ensure digital interfaces comply with ADA and Section 508 accessibility standards.
- Push-to-Talk or Emergency Intercoms:
  - Integrate accessible emergency communication devices at appropriate heights.
  - Provide clear labeling and easy activation.

### **Maintenance and Serviceability**

- Hinged or Removable Access Panels:
  - Provide easy technician access to internal components without requiring full disassembly.
- Diagnostic Ports:
  - Include USB/Ethernet ports for local troubleshooting and software updates.
- Remote Monitoring Capability:
  - Support real-time diagnostics, system monitoring, and remote software updates for digital display

## **3. Signs Attached to Structures (Bridges and Elevators)**

Signs mounted onto pedestrian overcrossing and bridge structures, elevator enclosures, tunnel ceilings or other fixed structures, designed to be space-efficient while maintaining visibility.

- Lightweight aluminum or galvanized steel framing for minimal structural load.
- Attachment via brackets, welded connections, or expansion anchors as required by structural conditions.
- Coated to prevent corrosion in exposed environments.
- Compliance with vibration and wind load standards to prevent fatigue failure.

## **4. Blade Signs for Pole Mounting**

Rectangular or shaped signs attached perpendicular to poles, providing directional or informational signage.

- Stainless steel blade construction for rigidity.
- Mounted using tamper-resistant stainless steel fasteners and brackets.
- Mounted on 3" diameter poles.
- Wind-resistant design to minimize flexing and vibration.

## **5. Directly Mounted Signs (Poles, Walls, Fences, Railings)**

Small to mid-sized signs affixed directly to station elements such as poles, walls, fences, or railings.

### **Mounting Criteria**

- Flat panel aluminum or composite sign face with pre-drilled mounting points.
- Designed to resist corrosion, UV exposure, and physical impacts.
- Mounted using bolts, clamps, or adhesives, depending on the substrate.
  - Through-Bolts: Drilled through pole and sign for enhanced security and tamper resistance.
  - Brackets and Clamps: Stainless steel U-bolts or banding for pole-mounted signs.
  - Adhesive Mounting: High-bond adhesives for smooth, non-porous surfaces where mechanical fasteners are not viable.
  - Barrier/Fence-Mounted Signs positioned at pedestrian eye level (36"–60" AFF per ADA requirements). Constructed with weatherproof and tamper-resistant enclosures.
- Wall mounted signs Installed at an ADA-compliant height (36"–60" AFF) for visibility.  
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## **6. Display Cases**

Wall-mounted and freestanding display cases used for station maps, transit schedules, and regulatory notices. These cases provide protected accessible information. For durability and longevity, all display case mounts must incorporate corrosion-resistant treatments and drainage features:

### **Mounting Criteria**

#### **Wall-Mounted Display Cases**

- Secured with stainless steel anchor bolts to withstand environmental exposure and vandalism.
- Weatherproof enclosures protect contents from moisture, dust, and temperature changes.
- Installed at an ADA-compliant height (36"–72" AFF) for accessibility.
- Hinged, lockable front panels allow for easy content updates and maintenance.
- Constructed with tempered glass or acrylic face to allow slide-in media replacement.

#### **Freestanding Display Cases**

- Mounted on reinforced concrete footings or bolted to a concrete slab for structural stability.

- Mounting frame shall be constructed of 316 stainless steel for enhanced corrosion resistance and durability in outdoor environments.
- Incorporates a stainless-steel piano hinge for secure and smooth opening/closing.
- Includes tamper-resistant locking mechanisms for security.

### **Materials and Fabrication**

- Use 316 stainless steel for all structural components.
- Freestanding display cases shall have a 316 stainless steel mounting frame to ensure resistance to rust and environmental wear.
- Acrylic or tempered glass glazing with 92% light transmission and UV protection to enhance clarity while reducing glare and yellowing over time.
- Materials shall comply with NFPA 130 flame spread requirements and local fire codes.
- Fasteners & Mounting:
  - Use tamper-resistant fasteners (e.g., Torx security screws) for security.
  - Avoid proprietary/specialty fasteners that limit interchangeability and maintenance access.

### **Drainage & Corrosion Protection**

- Drainage Hole: ½” diameter at pole bottom to prevent water accumulation inside the case.
- Epoxy-Coated Anchor Bolts & Nuts: Enhances longevity in corrosive environments.

### **Lighting and Electrical Requirements**

- Refer to Design Criteria and SJRRC Directive Drawings for lighting specifications.
- Illuminated display cases shall comply with UL 924, using LED technology for consistent brightness and energy efficiency.
- Refer to Chapter 12 – Electrical Systems for wiring, power supply, and integration requirements for illuminated or digital display cases.

### **Maintenance and Sustainability**

- Warranty: Minimum 5 years (static signs), 3 years (digital displays) against fading, cracking, delamination.
- Sustainability: Use low-VOC finishes, recyclable materials, ENERGY STAR-rated lighting.
- Routine Maintenance: Quarterly cleaning (exterior signage), monthly (digital displays).
- Replacement & Inventory: Standardized components for ease of repair and stocking.

### **15.5 Installation & Quality Control**

- Inspection & Testing: Verify alignment, visibility, and illumination.
- Mockups: Required for major sign types before full installation.
- Training: Staff training on digital signage content management and maintenance.

- As-Built Documentation: Digital records of sign locations, electrical connections, and warranties.

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