

CITY OF YUBA CITY  
STAFF REPORT

**Date:** February 5, 2019  
**To:** Honorable Mayor & Members of the City Council  
**From:** Public Works Department  
**Presented by:** Benjamin Moody, Deputy Public Works Director – Engineering

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**Summary**

**Subject:** 2019 Striping and Markings Project (Plans & Specifications)

**Recommendation:** A. Adopt a Resolution approving the plans and specifications for the 2019 Striping and Marking Project and authorizing advertisement for bids on the project.

B. Authorize the City Manager to execute the contract on behalf of the City, following approval as to legal form by the City Attorney.

C. Adopt a Resolution approving the installation of stop signs and stop legends to create an all-way stop at the intersection of Western Avenue and Morton Street, and to install high-visibility pedestrian crosswalks, and an ADA ramp compliant ramp at the intersection of Western Avenue and Morton Street.

**Fiscal Impact:** Engineer's Estimate \$182,018 – Account No. 1024 (Striping and Markings)

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**Purpose:**

To promote vehicle and pedestrian safety by repairing and adding striping, crosswalks, and pavement markings at various locations throughout the City. To also install stop signs for the eastbound and westbound directions of Morton Street at its intersection with Western Avenue, as well as crosswalks and an ADA ramp at the northeast corner of the intersection.

**Background:**

The City's current delineation markings and safety striping is deteriorating at various locations around the City due to age. Replacement of faded traffic striping, pavement markings, crosswalks, and bike path signage along City roadways will decrease the potential for pedestrian and vehicular incidents and improve the safety of the City's residents. The locations to be addressed are provided as Attachment 2.

Additionally, the community around Park Avenue Elementary School has contacted the City on multiple occasions about the Western Avenue and Morton Street intersection regarding near-miss incidents and collisions. A stop sign warrant study was performed by the Public Works Department at this location following these requests.

**Analysis:**

The recent stop sign warrant study determined that the Western Avenue – Morton Street intersection met the California Manual of Uniform Traffic Control Deceives (MUTCD) warrants for the installation of an all-way stop. The intersection can be seen in Attachment 4. As part of the engineering study, staff reviewed the traffic conditions and physical characteristics of the intersection to determine whether the installation of an all-way stop is justified. The findings are as follows:

- Western Avenue intersects Morton Street at a 73° angle, creating a skewed intersection.
- As Morton Street crosses Western Avenue from west-to-east, Morton Street experiences a reduction in street width from 39 feet to 27 feet.
- The orientation and width reduction of the intersection make it difficult to properly judge sight distances, and safely navigate the intersection.
- Intersection is currently stop-controlled on Western Avenue only.
- The 85<sup>th</sup> percentile speed for the speed study conducted for Morton Street is 37 mph, while the posted speed limit is 25 mph.
- Collision history for the subject intersection includes three collisions in the past 12 months.
- High pedestrian/student volumes during the before and after school periods hours.

The intersection meets the CA MUTCD warrant for an all-way stop based on option B of the Optional Criteria, in Section 2B.07 Multi-Way Stop Applications: “The need to control vehicle/pedestrian conflicts near locations that generate high pedestrian volumes.” The engineering study has determined that an all-way stop is warranted due to the high pedestrian/student volume.

Public Works has prepared the project plans, specifications, and cost estimate for the 2019 Striping and Marking Project. With Council approval of the plans and specifications and authorization to advertise for bids, staff proposes the following schedule:

Advertise for Bid:	February 2019
Award Contract:	March 2019
Start of Construction:	Late Spring 2019
Completion:	Summer 2019

The plans and specifications for the project are on file in the Public Works office for review.

**Fiscal Impact:**

The estimated total project cost is \$182,018. This estimate includes contingency and construction management costs. CIP Account No. 1024 (Striping and Markings) has adequate funding programmed for this project.

**Alternatives:**

- A. Provide staff with alternative direction regarding priority locations
- B. Cancel proposed project

**Recommendation:**

A. Adopt a resolution approving the plans and specifications for the 2019 Striping and Marking Project and authorizing advertisement for bids on the project.

B. Authorize the City Manager to execute the contract on behalf of the City, following approval as to legal form by the City Attorney.

C. Adopt a resolution approving the installation of stop signs and stop legends to create an all-way stop at the intersection of Western Avenue and Morton Street, and to install high-visibility pedestrian crosswalks, and an ADA ramp compliant ramp at the intersection of Western Avenue and Morton Street.

**Attachments:**

1. Resolution – Approval of Plans and Specifications
2. Project Location Map
3. Resolution – Approval of Stop Sign and Pedestrian Improvement Installations
4. Intersection of Morton Street and Western Avenue

Prepared by:

Submitted by:

*/s/ Joshua Wolffe*

Joshua Wolffe  
Assistant Civil Engineer

*/s/ Steven C. Kroeger*

Steven C. Kroeger  
City Manager

Reviewed by:

Department Head

DL

Finance

RB

City Attorney

SLC by email

# ATTACHMENT 1

RESOLUTION NO. \_\_\_\_\_

**RESOLUTION OF THE CITY COUNCIL OF THE CITY OF YUBA CITY  
APPROVING THE PLANS AND SPECIFICATIONS FOR THE 2019 STRIPING  
AND MARKING PROJECT AND AUTHORIZING ADVERTISEMENT FOR BIDS  
ON THE PROJECT**

BE IT RESOLVED AND ORDERED by the City Council of the City of Yuba City that the plans and specifications for the 2019 Striping and Marking Project be approved.

BE IT FURTHER RESOLVED AND ORDERED by the City Council of the City of Yuba City that the Department of Public Works is hereby authorized and directed to advertise for bids for the 2019 Striping and Marking Project.

The foregoing resolution was duly and regularly introduced, passed, and adopted by the City Council of the City of Yuba City at a regular meeting thereof held on the 5<sup>th</sup> day of February 2019.

AYES:

NOES:

ABSENT:

\_\_\_\_\_  
Shon Harris, Mayor

ATTEST:

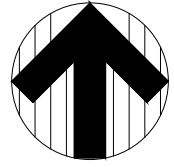
\_\_\_\_\_  
Patricia Buckland, City Clerk

APPROVED AS TO FORM  
COUNSEL FOR YUBA CITY

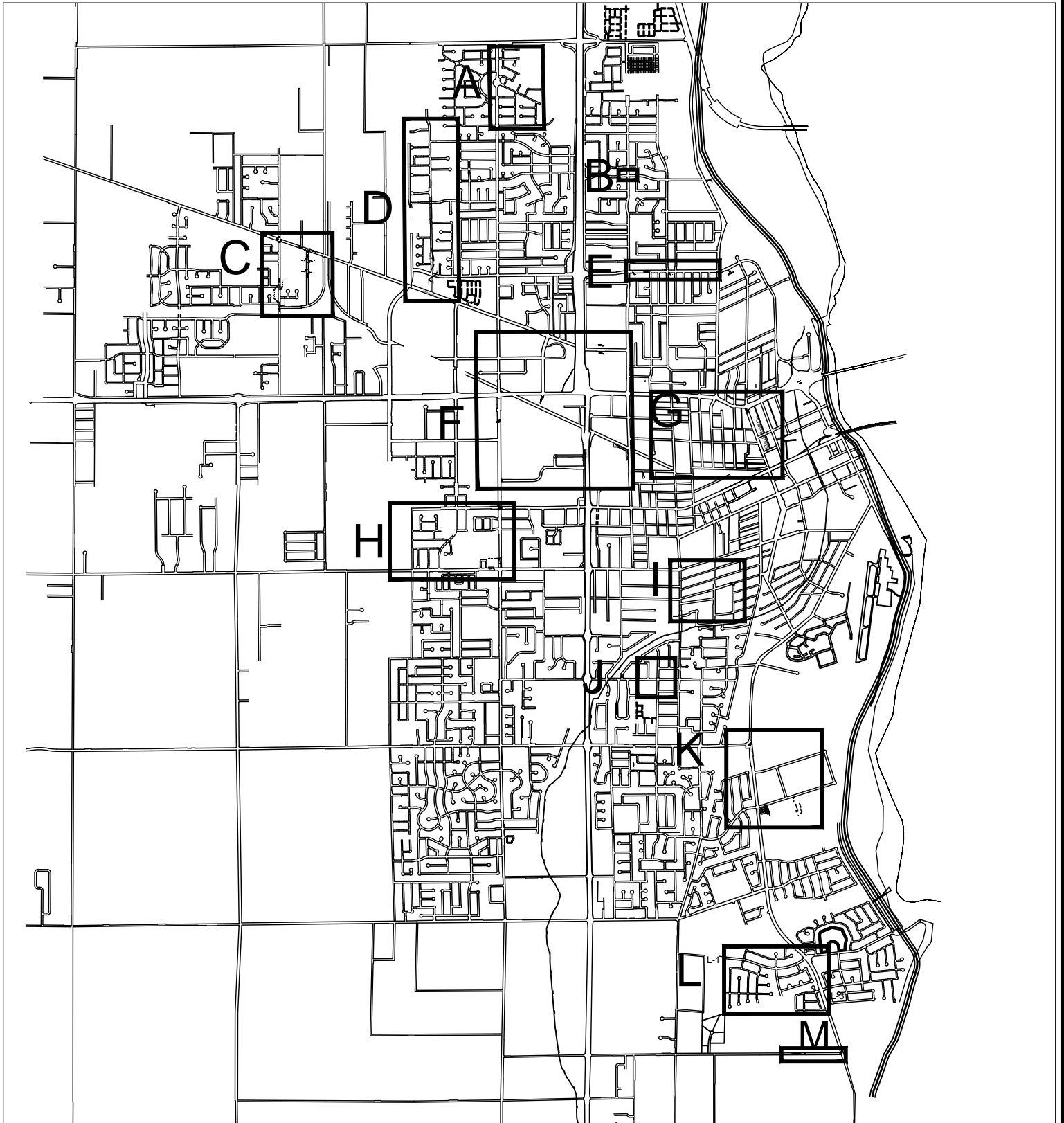
\_\_\_\_\_  
SHANNON CHAFFIN, City Attorney  
Aleshire & Wynder, LLP

# ATTACHMENT 2

# 2019 STRIPING AND MARKING PROJECT PROJECT LOCATION MAP



SCALE: 1" = 4,000'



# ATTACHMENT 3



RESOLUTION NO. \_\_\_\_\_

**RESOLUTION OF THE CITY COUNCIL OF THE CITY OF YUBA CITY  
AUTHORIZING THE INSTALLATION OF STOP SIGNS, HIGH-VISIBILITY  
PEDESTRIAN CROSSWALKS AND AN ADA RAMP AT THE INTERSECTION  
OF WESTERN AVENUE AND MORTON STREET**

WHEREAS, Diana Langley, the Public Works Director, recommends placing stop signs and stop legends in the eastbound and westbound directions of Morton Street at the Western Avenue intersection, a high-visibility pedestrian crosswalk on the south and east sides of the Western Avenue and Morton Street intersection, and an ADA compliant curb ramp on Morton Street, directly north from the existing south-eastern ADA compliant ramp in the Western Avenue and Morton Street intersection,

WHEREAS, it has been determined by the City Council that such provisions are in the public interest,

BE IT RESOLVED AND ORDERED by the City Council of the City of Yuba City that the Public Works Department is hereby authorized and directed to install stop signs and stop legends in the eastbound and westbound directions of Morton Street at the Western Avenue intersection, a high-visibility pedestrian crosswalk on the south and east sides of the Western Avenue and Morton Street intersection, and an ADA compliant curb ramp on Morton Street, directly north from the existing south-eastern ADA compliant ramp in the Western Avenue and Morton Street intersection.

The foregoing resolution was duly and regularly introduced, passed, and adopted by the City Council of the City of Yuba City at a regular meeting thereof held on the 5<sup>th</sup> day of February, 2019.

AYES:

NOES:

ABSENT:

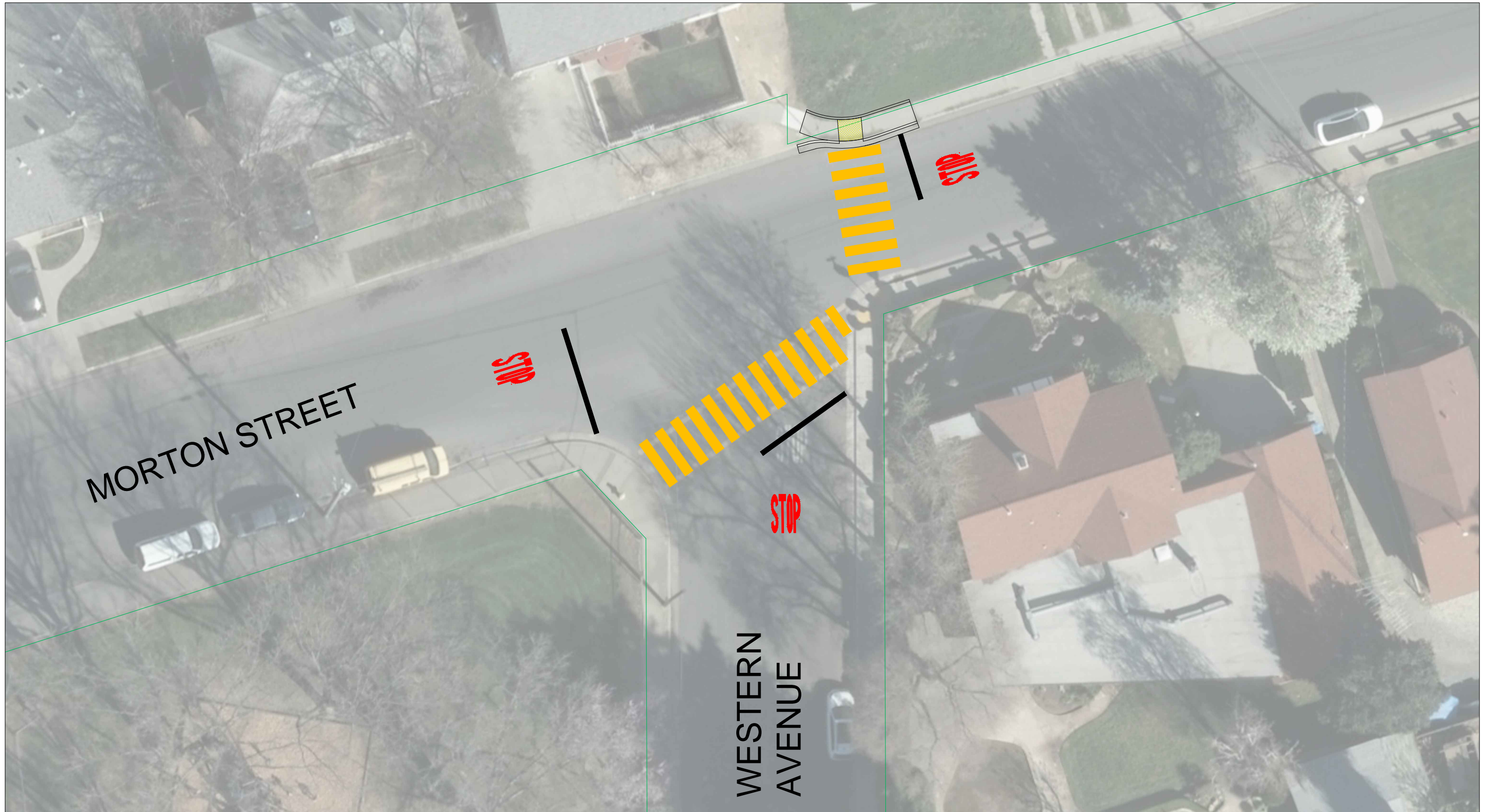
ATTEST:

\_\_\_\_\_  
Shon Harris, Mayor

\_\_\_\_\_  
Patricia Buckland, City Clerk

APPROVED AS TO FORM  
COUNSEL FOR YUBA CITY

\_\_\_\_\_  
SHANNON CHAFFIN, City Attorney  
Aleshire & Wynder, LLP



**QUANTITIES:**

THERMOPLASTIC STOP LEGEND	- 3 EA
12" WHITE THERMOPLASTIC	- 59 LF
24" YELLOW THERMOPLASTIC	- 216 LF
CURB, GUTTER, SIDEWALK, ADA RAMP	- 1 EA

- NOTES:**
1. Remove existing striping and markings as necessary to facilitate installation of new striping and markings.
  2. Slope along sidewalk ramp must not exceed 7.5%
  3. 24" markings shall be spaced at a distance of four feet, on center.



**CITY of YUBA CITY**

2019 STRIPING AND MARKING PROJECT  
AREA 1-2

Scale: 1"=20'

<small>SUBMITTED BY:</small> <small>J. FITZGERALD</small> <small>1201 CIVIC CENTER BLVD.</small> <small>YUBA CITY, CA 95993</small> <small>(916) 822-4632</small>	<small>DESIGN BY:</small> JMF <small>DRAWN BY:</small> JMF <small>CHECKED BY:</small> STAFF <small>DATE OF PLANS:</small> JAN 15, 2019	<small>DRAWING NO.:</small> 5403-B <small>SHEET - 52 -</small> <small>OF 55 SHEETS</small>
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