PS-1202647

**Date:** 8/24/2011 **Author:** Cook Engineering, Inc. **Project:** Altamont Commuter Express

**Comments:**

We will be closing down the left hand lane on both East and West bound Alpine Ave.
We will have the right lane open at all times. We are doing center median work.
Our scope of work includes the demolition and reconfiguration of the existing center median.
We anticipate the traffic control measure to be active for 10 days to complete all work.

COOK INC. ENGINEERING

PS-12026647

Lane Closures from 9am-3pm
West Ln & E Alpine Ave, Stock CA 95204
LANE CLOSED
C30(CA)
LANE CLOSED
C30(CA)
W4-2
LEFT LANE CLOSED AHEAD
ROAD WORK AHEAD
W20-1
© 2011 Google
©2010 Google

PS-12-02647

# ALTAMONT COMMUTER EXPRESS SERVICE

# NIGHTTIME HOURS

**TCD - IRLC1b**

**INTERIOR LANE CLOSURE(T10A/TA30):**
**RIGHT LANE CLOSURE(T10/T11):**
**PEDESTRIAN CONTROL(TA28/TA29):**
**Storm Drain Installation & Tie-In.**
**West Lane & Alpine Avenue.**

**8:00 PM to 6:00 AM**

PEDESTRIAN MONITOR TO ASSIST and/or ESCORT PEDESTRIANS and CYCLISTS AS NEEDED, REQUIRED OR DIRECTED DURING WORKING HOURS. *ALL PATHWAYS OPEN DURING NON-WORKING HOURS.*

NOTIFY & COORDINATE WITH CITY / COUNTY TRAFFIC ENGINEER WHEN ANY WORK IS PERFORMED WITHIN 200' OF SIGNALIZED INTERSECTION

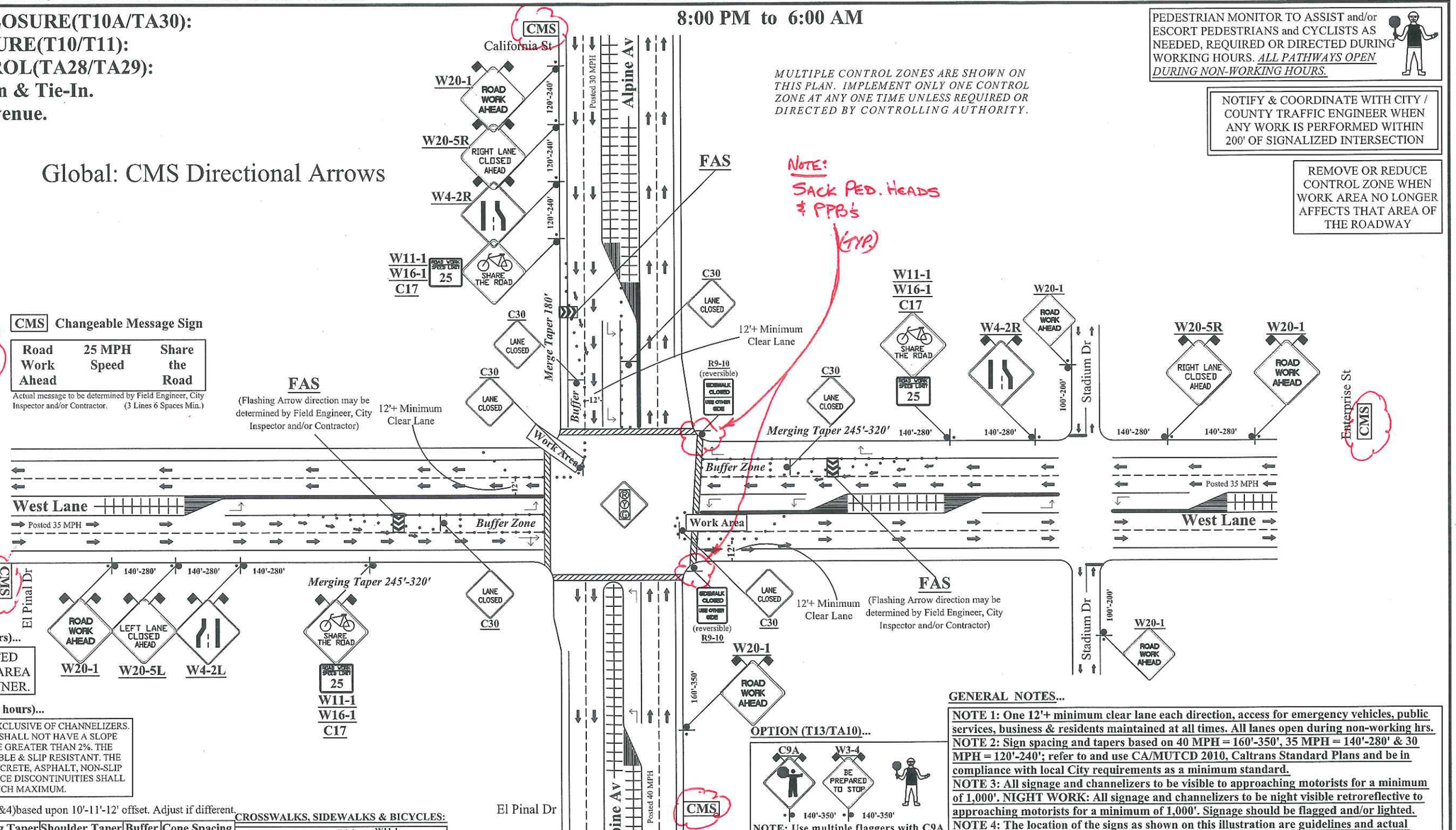
REMOVE OR REDUCE CONTROL ZONE WHEN WORK AREA NO LONGER AFFECTS THAT AREA OF THE ROADWAY

*MULTIPLE CONTROL ZONES ARE SHOWN ON THIS PLAN. IMPLEMENT ONLY ONE CONTROL ZONE AT ANY ONE TIME UNLESS REQUIRED OR DIRECTED BY CONTROLLING AUTHORITY.*

Global: CMS Directional Arrows

CMS TO:
NOTIFY PUBLIC TO:
1) EXPECT DELAYS
2) HOURS OF LANE CLOSURES
3) CONSTRUCTION ZONE 25 MPH
(TYP)

NOTE:
SACK PED. HEADS & PPB'S
(TYP)




CMS Changeable Message Sign

| Road Work Ahead | 25 MPH Speed | Share the Road |
|---|---|---|

Actual message to be determined by Field Engineer, City Inspector and/or Contractor. (3 Lines 6 Spaces Min.)

**Pedestrian Mitigation - (working hours)...**

PEDESTRIANS WILL BE ESCORTED *THROUGH* and/or *AROUND* WORK AREA BY CONTRACTOR IN A SAFE MANNER.

**Pedestrian Mitigation - (non-working hours)...**

FOUR (4') FOOT MINIMUM CLEAR PATHWAY EXCLUSIVE OF CHANNELIZERS. PATHWAY SURFACE SHALL BE LEVEL AND SHALL NOT HAVE A SLOPE GREATER THAN 12 to 1 NOR A CROSS SLOPE GREATER THAN 2%. THE SURFACE OF THE PATH SHALL BE FIRM, STABLE & SLIP RESISTANT. THE PATHWAY SHALL BE CONSTRUCTED OF CONCRETE, ASPHALT, NON-SLIP PLYWOOD OR NON-SLIP STEEL PLATE. SURFACE DISCONTINUITIES SHALL NOT EXCEED ONE-HALF (1/2") INCH MAXIMUM.

**CHART A**-CA/MUTCD(Table 6C-1,2,3&4)based upon 10'-11'-12' offset. Adjust if different.

| Speed MPH | Sign Spacing | Merging Taper 10' - 11' - 12' | Shifting Taper 10' - 11' - 12' | Shoulder Taper 10' - 11' - 12' | Buffer Space | Cone Spacing Taper | Cone Spacing Conflict |
|---|---|---|---|---|---|---|---|
| 25 | 100'-200' | 105'-115'-125' | 53'-58'-63' | 35'-39'-42' | 155' | 25' | 12' |
| * 30 | 120'-240' | 150'-165'-180' | 75'-83'-90' | 50'-55'-60' | 200' | 30' | 15' * |
| * 35 | 140'-280' | 205'-225'-245' | 103'-113'-123' | 69'-75'-82' | 250' | 35' | 17' * |
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| 45 | 350'-500' | 450'-495'-540' | 225'-248'-270' | 150'-165'-180' | 360' | 45' | 22' |
| 50 | 500'-600' | 500'-550'-600' | 250'-275'-300' | 167'-184'-200' | 425' | 50' | 25' |
| 55 | 1000' | 550'-605'-660' | 275'-303'-330' | 184'-202'-220' | 495' | 50' | 25' |

**CROSSWALKS, SIDEWALKS & BICYCLES:**

R9-10 SIDEWALK CLOSED USE OTHER SIDE; R9-11L SIDEWALK CLOSED AHEAD CROSS HERE; R9-3a; W11-1 W16-1 C17 SHARE THE ROAD; R81(CA) BIKE LANE; R9-9 SIDEWALK CLOSED; R9-11R SIDEWALK CLOSED AHEAD CROSS HERE; R9-3 NO PEDESTRIAN CROSSING; ROAD WORK SPEED LIMIT 25; G20-2 END ROAD WORK

NOTE: Place pedestrian & bike signage as needed or directed by the City Representative at appropriate locations.

R3-1 R3-2

Place no right/left turn signage at all affected driveways and side streets in traffic control zone.

**LEGEND...**

Reflective Sign.
Reflective Channelizer.
Flashing Arrow Sign.
Changeable Message Sign. (As required by City) CMS

NOTE: Use multiple flaggers with C9A & W3-4 signage spaced at 140'-350' in all directions from the work area in addition to this plan. Flaggers to be competent, trained and qualified per Cal/Osha regulations. Flaggers to maintain visual and/or radio contact at all times. Each flagger shall be illuminated by a light plant during hours of darkness. Signalized intersection to be placed in FLASHING RED MODE, as directed.

**GENERAL NOTES...**

NOTE 1: One 12'+ minimum clear lane each direction, access for emergency vehicles, public services, business & residents maintained at all times. All lanes open during non-working hrs.
NOTE 2: Sign spacing and tapers based on 40 MPH = 160'-350', 35 MPH = 140'-280' & 30 MPH = 120'-240'; refer to and use CA/MUTCD 2010, Caltrans Standard Plans and be in compliance with local City requirements as a minimum standard.
NOTE 3: All signage and channelizers to be visible to approaching motorists for a minimum of 1,000'. NIGHT WORK: All signage and channelizers to be night visible retroreflective to approaching motorists for a minimum of 1,000'. Signage should be flagged and/or lighted.
NOTE 4: The location of the signs as shown on this illustration are guidelines and actual locations will depend upon alignment, grade, location of street intersections and 85th percentile / posted speed limits / prima facie. *Remove or cover existing conflicting signage.* Temporary traffic control signage to be removed or covered during non-working hours.
NOTE 5: All open excavations to be steel plated and secured or backfilled during non-working hours. Place bump/open trench signs as needed. Shoulders to have 4:1 slope.
NOTE 6: Post No Parking signs 48 hours prior to start of work. Remove or reduce control zone when work area no longer affects that area of the roadway.
NOTE 7: Pedestrians to be detoured around work area in a safe ADA compliant manner and in a fashion whereas they do not traverse private property or are directed into travelway.


**PRESTON PIPELINES**
8455 24th Avenue
Sacramento, CA. 95826
916.386.1500 Fax:916.386.7531
www.prestonpipelines.com


*EQUIPMENT*: Sign Symbol; HIGH-LEVEL; x TUBES, x CONES, x BARRELS; TYPE I'S; TYPE II'S; TYPE III'S; ARROW PANEL

*PRE-WARNING SIGNS*: 36" X 36"; 48" X 48"; Stand. Ints.; xx SUPER ENGINEER GRADE; 'A' Lights; 'B' Lights; 'C' Lights

START DATE:
TIME: 8:00 PM to 6:00 AM
DURATION:
DWG: Interior & Right Lane Closure
DATE: 05/16/12
DRAWING NOT TO SCALE

TRAFFIC CONTROL DRAFT NO. IRLC1b
CONTRACTOR: Preston Pipelines, Inc.
AGENCY: City of Stockton/SanJoaquinCounty
LOCATION: West Lane & Alpine Avenue

A DRAFT by Philip M. Sponable ATSSA #00225176 exp. 12/18/12

AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION


CONTACT: Shawn Hammond 916.417.9162 shammond@prestonpipelines.com



THIS PLAN IS A DRAFT FOR AND AT THE DIRECTION OF THE OWNER/CONTRACTOR. DRAFTSMAN ACKNOWLEDGES NO RESPONSIBILITY IN THE CASE OF ANY ACCIDENT, INJURY OR DEATH OCCURRING DURING THE USE OF THIS UNAPPROVED DRAFT. REFERENCE CA/MUTCD & CALTRANS STANDARD PLANS. THIS PLAN HAS NOT BEEN REVIEWED BY A CALIFORNIA REGISTERED ENGINEER.

PS-12-02647

# ALTAMONT COMMUTER EXPRESS SERVICE

# NIGHTTIME HOURS

TCD - ICF2b

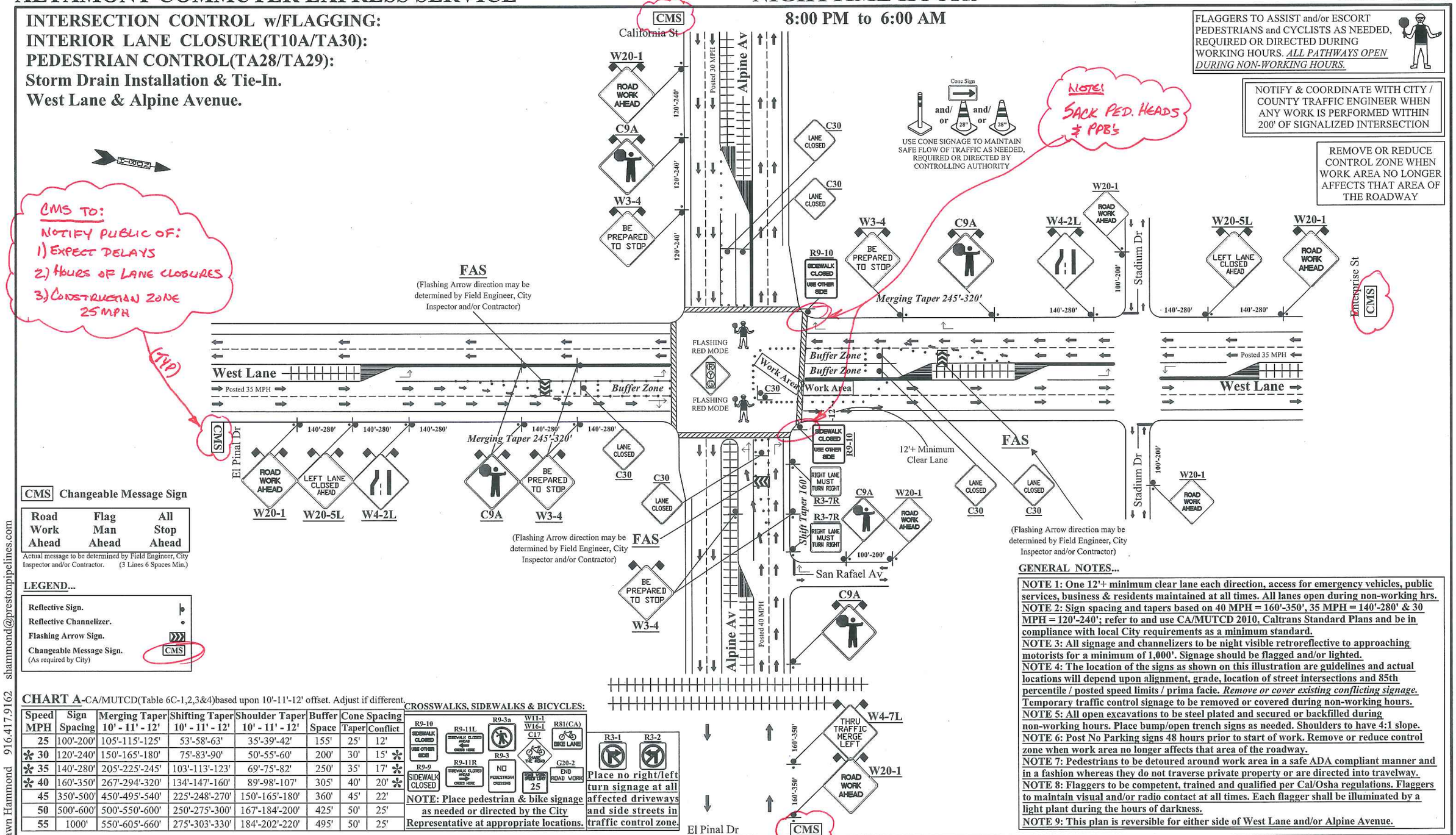
**INTERSECTION CONTROL w/FLAGGING:**
**INTERIOR LANE CLOSURE(T10A/TA30):**
**PEDESTRIAN CONTROL(TA28/TA29):**
**Storm Drain Installation & Tie-In.**
**West Lane & Alpine Avenue.**

**8:00 PM to 6:00 AM**

FLAGGERS TO ASSIST and/or ESCORT PEDESTRIANS and CYCLISTS AS NEEDED, REQUIRED OR DIRECTED DURING WORKING HOURS. *ALL PATHWAYS OPEN DURING NON-WORKING HOURS.*

NOTIFY & COORDINATE WITH CITY / COUNTY TRAFFIC ENGINEER WHEN ANY WORK IS PERFORMED WITHIN 200' OF SIGNALIZED INTERSECTION

REMOVE OR REDUCE CONTROL ZONE WHEN WORK AREA NO LONGER AFFECTS THAT AREA OF THE ROADWAY




**CMS** Changeable Message Sign

| Road Work Ahead | Flag Man Ahead | All Stop Ahead |
|---|---|---|

Actual message to be determined by Field Engineer, City Inspector and/or Contractor. (3 Lines 6 Spaces Min.)

**LEGEND...**

- Reflective Sign.
- Reflective Channelizer.
- Flashing Arrow Sign.
- Changeable Message Sign. (As required by City) — CMS

**CHART A**-CA/MUTCD(Table 6C-1,2,3&4)based upon 10'-11'-12' offset. Adjust if different.

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R9-10 SIDEWALK CLOSED USE OTHER SIDE; R9-11L SIDEWALK CLOSED AHEAD CROSS HERE; R9-3a; W11-1 W16-1; R81(CA) BIKE LANE; R9-9 SIDEWALK CLOSED; R9-11R SIDEWALK CLOSED AHEAD CROSS HERE; R9-3 NO PEDESTRIAN CROSSING; C17 SHARE THE ROAD; R2-1 SPEED LIMIT 25; G20-2 END ROAD WORK

**NOTE: Place pedestrian & bike signage as needed or directed by the City Representative at appropriate locations.**

R3-1; R3-2

**Place no right/left turn signage at all affected driveways and side streets in traffic control zone.**

**GENERAL NOTES...**

**NOTE 1: One 12'+ minimum clear lane each direction, access for emergency vehicles, public services, business & residents maintained at all times. All lanes open during non-working hrs.**
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**NOTE 6: Post No Parking signs 48 hours prior to start of work. Remove or reduce control zone when work area no longer affects that area of the roadway.**
**NOTE 7: Pedestrians to be detoured around work area in a safe ADA compliant manner and in a fashion whereas they do not traverse private property or are directed into travelway.**
**NOTE 8: Flaggers to be competent, trained and qualified per Cal/Osha regulations. Flaggers to maintain visual and/or radio contact at all times. Each flagger shall be illuminated by a light plant during the hours of darkness.**
**NOTE 9: This plan is reversible for either side of West Lane and/or Alpine Avenue.**


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*PRE-WARNING SIGNS*: 36" X 36"; 48" X 48"; Stand. Ints.; SUPER ENGINEER GRADE; "A" Lights; "B" Lights; "C" Lights

START DATE:
TIME: 8:00 PM to 6:00 AM
DURATION:
DWG: Intersection Control w/Flagging
DATE: 05/16/12
DRAWING NOT TO SCALE

TRAFFIC CONTROL DRAFT NO. ICF2b
CONTRACTOR: Preston Pipelines, Inc.
AGENCY: City of Stockton/SanJoaquinCounty
LOCATION: West Lane & Alpine Avenue

A DRAFT by Philip M. Sponable ATSSA #00225176 exp. 12/18/12

AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION


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PS-12-02647

# ALTAMONT COMMUTER EXPRESS SERVICE

# NIGHTTIME HOURS

**TCD - ICF3b**

**INTERSECTION CONTROL w/FLAGGING:**
**INTERIOR LANE CLOSURE(T10A/TA30):**
**PEDESTRIAN CONTROL(TA28/TA29):**
**Storm Drain Installation & Tie-In.**
**West Lane & Alpine Avenue.**

**8:00 PM to 6:00 AM**

FLAGGERS TO ASSIST and/or ESCORT PEDESTRIANS and CYCLISTS AS NEEDED, REQUIRED OR DIRECTED DURING WORKING HOURS. *ALL PATHWAYS OPEN DURING NON-WORKING HOURS.*

NOTIFY & COORDINATE WITH CITY / COUNTY TRAFFIC ENGINEER WHEN ANY WORK IS PERFORMED WITHIN 200' OF SIGNALIZED INTERSECTION

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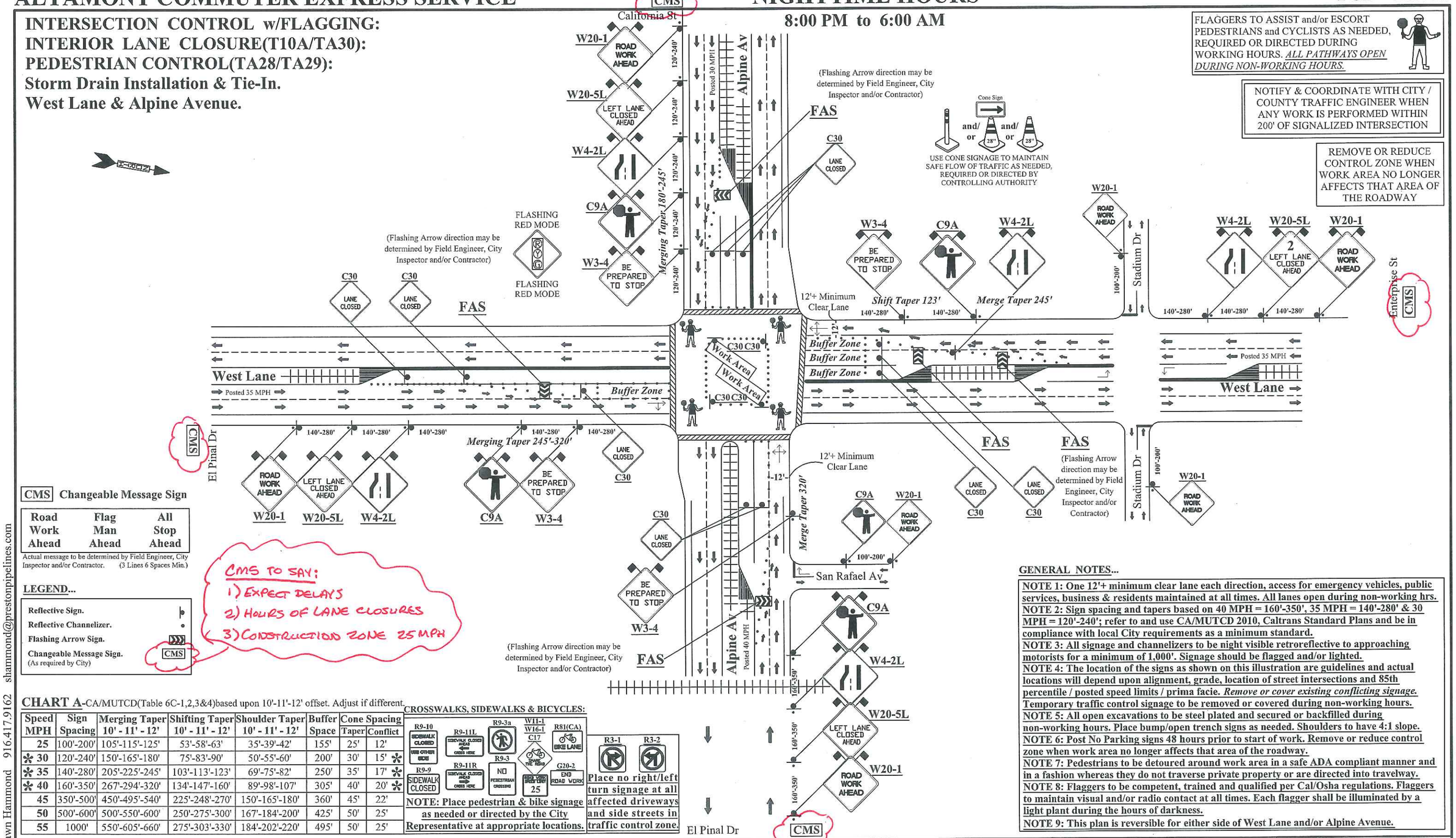


**CMS** Changeable Message Sign

| Road Work Ahead | Flag Man Ahead | All Stop Ahead |
|---|---|---|

Actual message to be determined by Field Engineer, City Inspector and/or Contractor. (3 Lines 6 Spaces Min.)

CMS TO SAY:
1) EXPECT DELAYS
2) HOURS OF LANE CLOSURES
3) CONSTRUCTION ZONE 25 MPH

**LEGEND...**

- Reflective Sign.
- Reflective Channelizer.
- Flashing Arrow Sign.
- Changeable Message Sign. (As required by City) — CMS

**CHART A**-CA/MUTCD(Table 6C-1,2,3&4)based upon 10'-11'-12' offset. Adjust if different.

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**NOTE: Place pedestrian & bike signage as needed or directed by the City Representative at appropriate locations.**

**Place no right/left turn signage at all affected driveways and side streets in traffic control zone.**

**GENERAL NOTES...**

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*PRE-WARNING SIGNS*: 36" X 36"; "A" Lights; x 48" X 48"; "B" Lights; Stand. Ints.; "C" Lights; xx SUPER ENGINEER GRADE

START DATE:
TIME: 8:00 PM to 6:00 AM
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DWG: Intersection Control w/Flagging
DATE: 05/16/12
DRAWING NOT TO SCALE

TRAFFIC CONTROL DRAFT NO. ICF3b
CONTRACTOR: Preston Pipelines, Inc.
AGENCY: City of Stockton/SanJoaquinCounty
LOCATION: West Lane & Alpine Avenue

A DRAFT by Philip M. Sponable ATSSA #00225176 exp. 12/18/12

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PS-12-02647

# ALTAMONT COMMUTER EXPRESS SERVICE

7-DAYS

# DAYLIGHT HOURS

**TCD - RLC4b**

## RIGHT LANE CLOSURE(T10/T11):
## PEDESTRIAN CONTROL(TA28/TA29):
**Sewer, Water & Storm Drain Installation & Tie-In.**
**Alpine Avenue - Sierra Madre Av to Coronado Av.**

**9:00 AM to 3:00 PM**

NO DAYTIME LANE CLOSURES

*MULTIPLE CONTROL ZONES ARE SHOWN ON THIS PLAN. IMPLEMENT ONLY ONE CONTROL ZONE AT ANY ONE TIME UNLESS REQUIRED OR DIRECTED BY CONTROLLING AUTHORITY.*

PEDESTRIAN MONITOR TO ASSIST and/or ESCORT PEDESTRIANS and CYCLISTS AS NEEDED, REQUIRED OR DIRECTED DURING WORKING HOURS. *ALL PATHWAYS OPEN DURING NON-WORKING HOURS.*

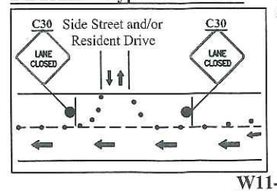
NOTIFY & COORDINATE WITH CITY / COUNTY TRAFFIC ENGINEER WHEN ANY WORK IS PERFORMED WITHIN 200' OF SIGNALIZED INTERSECTION

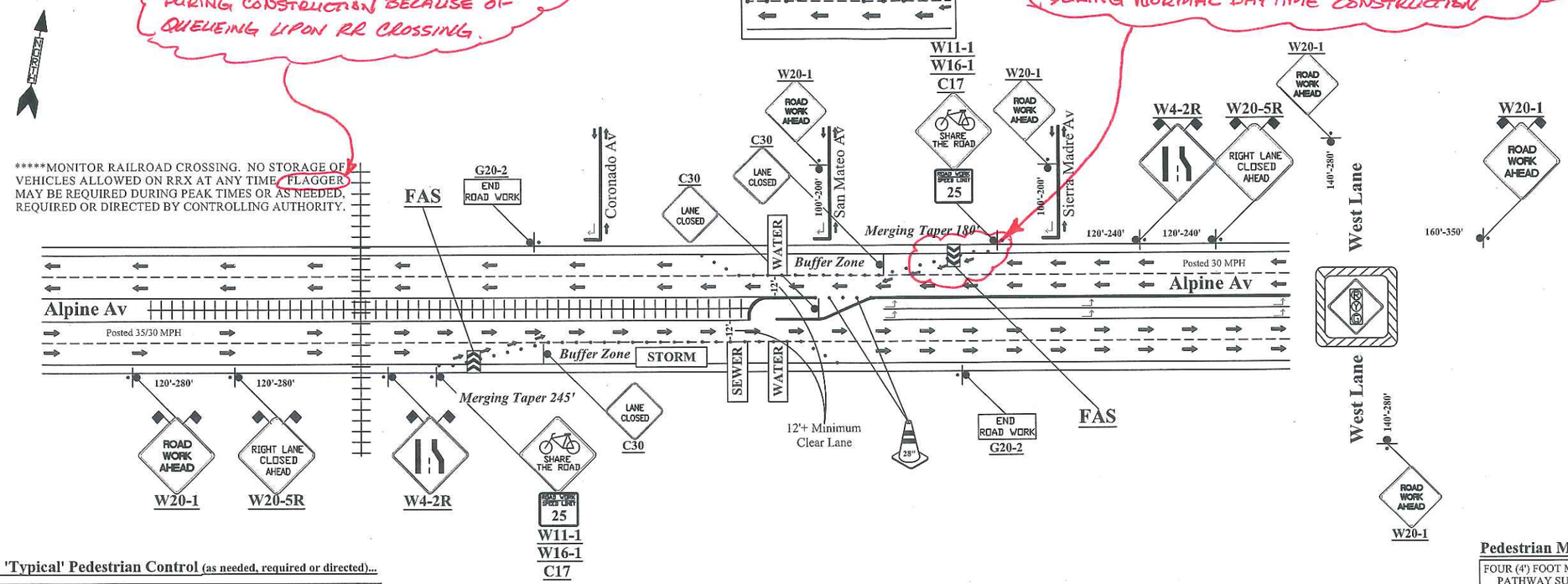
REMOVE OR REDUCE CONTROL ZONE WHEN WORK AREA NO LONGER AFFECTS THAT AREA OF THE ROADWAY

NOTIFY RR COMPANY TO OBTAIN FLAGGER DURING CONSTRUCTION BECAUSE OF QUEUEING UPON RR CROSSING.

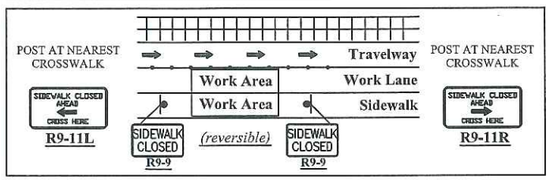
THIS WILL CAUSE BACKUP INTO INTERSECTION DURING NORMAL DAYTIME CONSTRUCTION

**DETAIL - 'Typical' Access...**




**DETAIL - 'Typical' Pedestrian Control** (as needed, required or directed)...




**Pedestrian Mitigation** - (working hours)...

PEDESTRIANS WILL BE ESCORTED *THROUGH* and/or *AROUND* WORK AREA BY CONTRACTOR IN A SAFE MANNER.

**Pedestrian Mitigation** - (non-working hours)...

FOUR (4') FOOT MINIMUM CLEAR PATHWAY EXCLUSIVE OF CHANNELIZERS. PATHWAY SURFACE SHALL BE LEVEL AND SHALL NOT HAVE A SLOPE GREATER THAN 12 to 1 NOR A CROSS SLOPE GREATER THAN 2%. THE SURFACE OF THE PATH SHALL BE FIRM, STABLE & SLIP RESISTANT. THE PATHWAY SHALL BE CONSTRUCTED OF CONCRETE, ASPHALT, NON-SLIP PLYWOOD OR NON-SLIP STEEL PLATE. SURFACE DISCONTINUITIES SHALL NOT EXCEED ONE-HALF (1/2") INCH MAXIMUM.

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**CROSSWALKS, SIDEWALKS & BICYCLES:**

NOTE: Place pedestrian & bike signage as needed or directed by the City Representative at appropriate locations.

Place no right/left turn signage at all affected driveways and side streets in traffic control zone.

**LEGEND...**

- Sign.
- Reflective Channelizer.
- Type III Barricade.
- Flashing Arrow Sign.

**ALTERNATE (T13/TA10)...**

NOTE: Use single or multiple flaggers with C9A & W3-4 signage spaced at 120'-280' in all directions from the work area in addition to this plan to slow or stop traffic. Flaggers to be competent, trained and qualified per Cal/Osha regulations. Flaggers to maintain visual and/or radio contact at all times.

**GENERAL NOTES...**

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Sacramento, CA. 95826
916.386.1500 Fax:916.386.7531
www.prestonpipelines.com

CONTACT: Shawn Hammond 916.417.9162 shammond@prestonpipelines.com


*EQUIPMENT*
● Sign Symbol ◄ HIGH-LEVEL
● =TUBES, x CONES, __ BARRELS
⊢ TYPE I'S ___ ■ TYPE II'S
⊟ TYPE III'S ⟫ ARROW PANEL

*PRE-WARNING SIGNS*
___ 36" X 36" ___ "A" Lights
x 48" X 48" ___ "B" Lights
___ Stand. Ints. ___ "C" Lights
___ SUPER ENGINEER GRADE

*START DATE:*
*TIME:* 9:00 AM to 3:00 PM
*DURATION:*
*DWG:* Right Lane Closure
*DATE:* 05/16/12
*DRAWING NOT TO SCALE*

*TRAFFIC CONTROL DRAFT NO. RLC4b*
*CONTRACTOR* Preston Pipelines, Inc.
*AGENCY* City of Stockton/SanJoaquinCounty
*LOCATION* Alpine Av-SierraMadre to Coronado

A DRAFT by Philip M. Sponable ATSSA #00225176 exp. 12/18/12

AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION


THIS PLAN IS A DRAFT FOR AND AT THE DIRECTION OF THE OWNER/CONTRACTOR. DRAFTSMAN ACKNOWLEDGES NO RESPONSIBILITY IN THE CASE OF ANY ACCIDENT, INJURY OR DEATH OCCURRING DURING THE USE OF THIS UNAPPROVED DRAFT. REFERENCE CA/MUTCD & CALTRANS STANDARD PLANS. THIS PLAN HAS NOT BEEN REVIEWED BY A CALIFORNIA REGISTERED ENGINEER.

PS-12-02647

# ALTAMONT COMMUTER EXPRESS SERVICE

## DAYLIGHT HOURS

9:00 AM to 3:00 PM

TCD - ILC5b

**INTERIOR LANE CLOSURE(T10A/TA30):**
**PEDESTRIAN CONTROL(TA28/TA29):**
**Sewer & Water Installation & Tie-In.**
**Alpine Avenue - Sierra Madre Av to Coronado Av.**

NO DAYTIME LANE CLOSURES

THIS WILL CAUSE BACK UP INTO INTERSECTION DURING NORMAL DAYTIME CONSTRUCTION

PEDESTRIAN MONITOR TO ASSIST and/or ESCORT PEDESTRIANS and CYCLISTS AS NEEDED, REQUIRED OR DIRECTED DURING WORKING HOURS. *ALL PATHWAYS OPEN DURING NON-WORKING HOURS.*

NOTIFY & COORDINATE WITH CITY / COUNTY TRAFFIC ENGINEER WHEN ANY WORK IS PERFORMED WITHIN 200' OF SIGNALIZED INTERSECTION

REMOVE OR REDUCE CONTROL ZONE WHEN WORK AREA NO LONGER AFFECTS THAT AREA OF THE ROADWAY

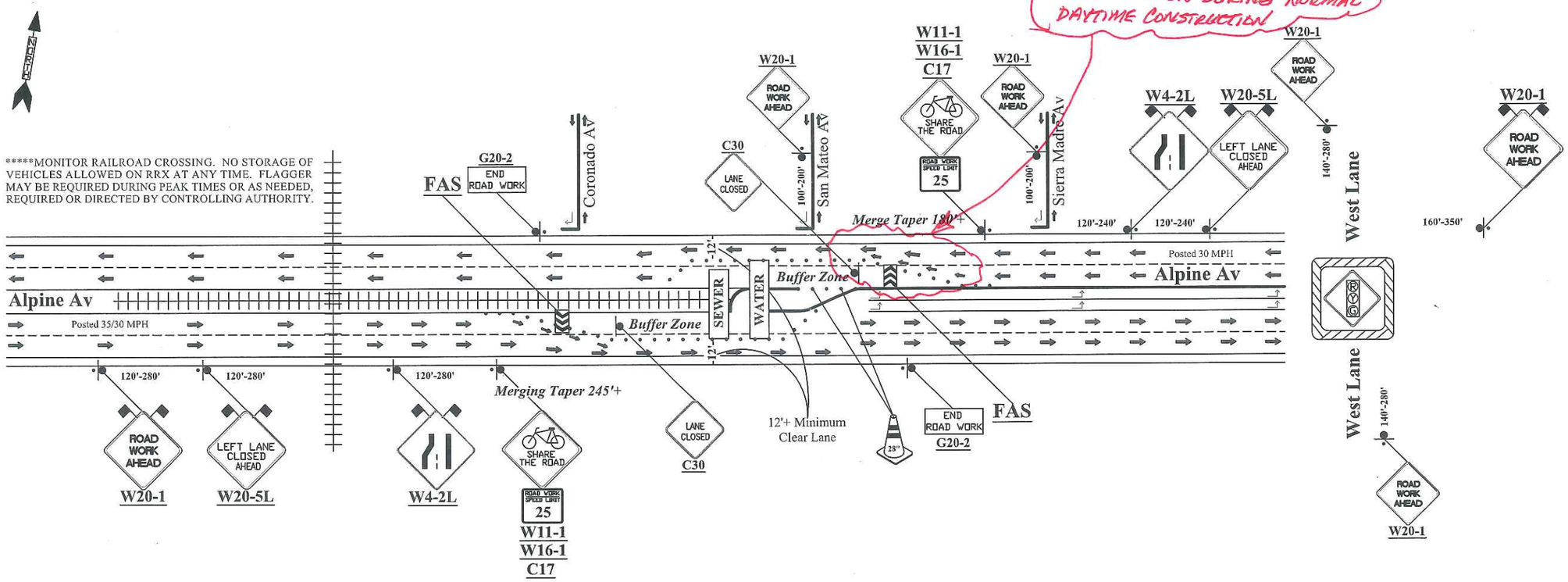
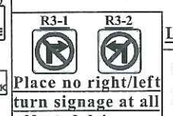



**CHART A**-CA/MUTCD(Table 6C-1,2,3&4)based upon 10'-11'-12' offset. Adjust if different.

| Speed MPH | Sign Spacing | Merging Taper 10' - 11' - 12' | Shifting Taper 10' - 11' - 12' | Shoulder Taper 10' - 11' - 12' | Buffer Space | Cone Spacing Taper | Cone Spacing Conflict |
|---|---|---|---|---|---|---|---|
| 25 | 100'-200' | 105'-115'-125' | 53'-58'-63' | 35'-39'-42' | 155' | 25' | 12' |
| ✻ 30 | 120'-240' | 150'-165'-180' | 75'-83'-90' | 50'-55'-60' | 200' | 30' | 15' ✻ |
| ✻ 35 | 140'-280' | 205'-225'-245' | 103'-113'-123' | 69'-75'-82' | 250' | 35' | 17' ✻ |
| 40 | 160'-350' | 267'-294'-320' | 134'-147'-160' | 89'-98'-107' | 305' | 40' | 20' |
| 45 | 350'-500' | 450'-495'-540' | 225'-248'-270' | 150'-165'-180' | 360' | 45' | 22' |
| 50 | 500'-600' | 500'-550'-600' | 250'-275'-300' | 167'-184'-200' | 425' | 50' | 25' |
| 55 | 1000' | 550'-605'-660' | 275'-303'-330' | 184'-202'-220' | 495' | 50' | 25' |

**CROSSWALKS, SIDEWALKS & BICYCLES:**

NOTE: Place pedestrian & bike signage as needed or directed by the City Representative at appropriate locations.

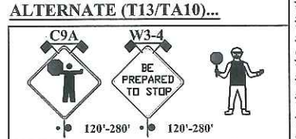



Place no right/left turn signage at all affected driveways and side streets in traffic control zone.

**LEGEND...**

Sign.
Reflective Channelizer.
Type III Barricade.
Flashing Arrow Sign.

**ALTERNATE (T13/TA10)...**

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