

**Condition 32****Traffic Management Plan**

Prior to construction, a traffic management plan shall be prepared for review and approval by the County of San Luis Obispo Traffic Department in consultation with the Planning Director. The traffic management plan shall be based on the type of roadway, traffic conditions, duration of construction, physical constraints, nearness of the work zone to traffic and other facilities (bicycle, pedestrian, driveway access, etc.). The traffic management plan shall include:

- a) **Advertisement.** An advertisement campaign informing the public of the proposed construction activities should be developed. Advertisements should occur prior to beginning work and periodically during the course of project construction. The advertising shall include notification of changes to bus schedules and potential changes to bus stop locations, potential impacts during school drop-off and pick-up times, and major intersections that may be impacted during construction.
- b) **Property Access.** Access to parcels along the construction area shall be maintained to the greatest extent feasible. Affected property owners shall receive advance notice of work adjacent to their property access and when driveways would be potentially closed.
- c) **Schools.** Any construction adjacent to schools shall ensure that access is maintained for vehicles, pedestrians, and bicyclists, particularly at the beginning and end of the school day.
- d) **Buses, Bicycles and Pedestrians.** The work zone shall provide for passage by buses, bicyclists and pedestrians, particularly in the vicinity of schools.
- e) **Intersections.** Traffic control (i.e. use of flag men) shall be used at intersections that are determined to be unacceptably congested due to construction traffic.

**Evidence of compliance:**

A Traffic Management/Control plan was prepared for the Los Osos Wastewater Project. The Traffic Control plan is intended to guide the contractors work to insure traffic circulation and access to properties near work sites during the course of project construction is maintained in an orderly and safe manner. The Traffic Control Plan is contained within Section 01571 of The Los Osos Wastewater Project Specifications (Contract Documents). Provisions as provided for in the project specifications for Advertising, Property Access, School Zones, Buses, Bicycles and Pedestrians are summarized below but their complete text can be found in the following sub-sections of the specifications, which are attached hereto:

a) Advertising:

Sub-Section 1.07 A thru H outlines the responsibilities for advertising and notification of the project. Notification of the project will include:

- Notifying all emergency services and regional transit (if applicable) at least 3 weeks prior to beginning construction and again 3 days after any road closures.
- Written notice to residences and businesses a minimum of 72 hours in advance of performing any construction work.
- Signage including portable electronic changeable message signs at beginning and end of each pipeline heading/work area to inform the community of the anticipated work duration, that traffic is subject to delays and other pertinent information. Advisory signs will be posted 10 days prior to construction.
- Information on impacts to schools and intersections

b) Property Access:

Sub-Section 1.06 states that emergency services access to all residences and businesses will be maintained at all times and that local property access and access to existing public cross-streets will also be maintained. In addition, this section requires the contractor to coordinate with the South Bay Fire Department to accommodate special access needs to disabled persons.

Sub-Section 3.05 requires the contractor to maintain access to all private driveways, however, should the need arise for any driveway to be closed for more than 8 hours, the contractor is required to have given the property occupant at least a three day notice of the pending driveway closure prior to the closure.

c) Schools:

Sub-Section 1.05 B.3 precludes construction activities within one block of any school during student drop-off or pick-up hours, which are generally between 7:30-8:30 A.M. and 2:30-3:30 P.M. Monday thru Friday.

d) Buses, Bicycles and Pedestrians:

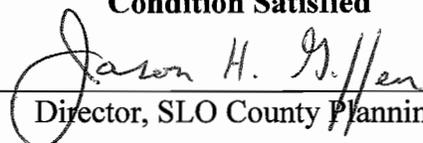
Sub-Section 1.01 requires the contractor to provide the work, to ensure public safety, and minimize traffic impacts and delays. Including, impact minimization and safety to pedestrians and cyclists.

Sub-Section 3.04 A requires the contractor to maintain pedestrian access at all times.

e) Intersections:

Traffic control at intersections is addressed in Sub-Section 104 E and 302 I. In addition, specific traffic control plans (drawings) were prepared for intersections along Los Osos Valley Road. The traffic control plans (drawings) are attached hereto and incorporate signage, barricades, flashing signs and flag men.

**Condition Satisfied**

  
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Director, SLO County Planning

APRIL 19, 2012

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Date

**LOS OSOS WASTEWATER PROJECT  
COLLECTION SYSTEM AREAS A & D  
LOS OSOS, CA  
CONTRACT NO. 300448.08.01.AD  
VOLUME 1A**

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**Volume 1A**

Divisions 0, 1, 2, 3, 5, 9, 11, 15, and 16

**Volume 1B**

Appendices

**Volume 2**

Area A Drawings

**Volume 3**

Area D Drawings

SECTION 01571

TRAFFIC CONTROL

PART 1 GENERAL

1.01 REQUIREMENTS

- A. The CONTRACTOR shall provide all traffic control required to construct the Work, to ensure public safety, and to minimize traffic impacts and delays. Traffic control shall be as required in the California Manual on Uniform Traffic Control Devices, 2012 Edition (CA MUTCD), the 2010 State Standard Specifications (Caltrans) Section 7, Section 12, and other sections as well as with Caltrans traffic control manuals and plans, as applicable.
- B. CONTRACTOR shall conform with all requirements of these provisions, including but not limited to, preparation of Traffic Control Plans; construction and maintenance of temporary pavement (if any); placement of signs, barricades, and safety devices; providing flag person, providing and placement of temporary striping, traffic cones, and other channelizing devices; and all activities to conform to requirements of the State Standard Specifications and these specifications.
- C. The CONTRACTOR shall be responsible for the safety of vehicular traffic within the Project limits and on the approaches to the Project. The CONTRACTOR shall be responsible for the safety of pedestrians, cyclists, and animals within the Project limits.

1.02 TRAFFIC CONTROL PLAN

- A. The traffic control plans and specifications included in these Contract Documents are guidelines for the CONTRACTOR. The CONTRACTOR shall prepare and submit its own Traffic Control Plan for review and approval by the ENGINEER prior to construction.
- B. If the CONTRACTOR's Traffic Control Plan deviates from the Contract Documents' traffic control plans and specifications and/or the CA MUTCD or 2010 State Standard Plans and Specifications, traffic control manuals and plans, the CONTRACTOR's Traffic Control Plan shall be prepared by a California Registered Civil Engineer.
- C. The CONTRACTOR shall submit 8 copies of its Traffic Control Plan to the ENGINEER for review a minimum of 14 days prior to construction.
- D. The ENGINEER shall observe the execution of the approved Traffic Control Plan during construction and may request changes as field conditions warrant. Said changes shall be performed at no additional cost/time to the Contract.

1.03 STREET DESIGNATIONS

- A. The streets within the Project are designated as arterial, collector, and minor as follows:
  - 1. Arterial Streets
    - a. Los Osos Valley Road

- b. South Bay Boulevard
2. Collector Streets
- a. Nipomo Avenue
  - b. Binscarth Road
  - c. Ramona Avenue
  - d. El Moro Avenue (between 2nd Street and 12th Street)
  - e. Santa Ysabel Avenue
  - f. Pecho Road
  - g. Pecho Valley Road
  - h. Pine Avenue
  - i. Bayview Heights Drive
  - j. 2nd Street (between El Moro and Santa Ysabel Ave)
  - k. 7th Street
  - l. 9th Street (between Los Osos Valley Road and Ramona Ave)
  - m. 11th Street
3. Minor Streets
- a. All remaining streets not designated as arterial streets or collector streets.
- B. Business Street Segments. In addition to the above designations, the following street segments shall be identified as business street segments:
- 1. Los Osos Valley Road between Palisades Avenue and South Bay Boulevard.
  - 2. Los Olivos Avenue between 9<sup>th</sup> Street and Fairchild Way.
  - 3. Santa Ynez Avenue between 9<sup>th</sup> Street and 11<sup>th</sup> Street.
  - 4. 9<sup>th</sup> Street between Los Osos Valley Road and Santa Ynez Avenue.
  - 5. 10<sup>th</sup> Street between Los Osos Valley Road and Santa Ynez Avenue.
  - 6. 2<sup>nd</sup> Street between El Moro Avenue and Santa Ysabel.

#### 1.04 STREET RESTRICTIONS

##### A. Arterial Streets

1. Two lanes of through traffic shall be maintained at all times in all arterial streets.
2. Only one construction activity at a single location shall be allowed on all arterial streets at any given time.

##### B. Collector Streets

1. Two lanes of through traffic, or a single lane of through traffic with flagpersons, shall be maintained at all times on collector streets.
2. Only one construction activity at a single location shall be allowed in one east-west collector street and in one north-south collector street at any given time.

##### C. Minor Streets

1. A minor street segment, limited to the distance between two adjacent street intersections, may be closed to through traffic for the Area construction of various pipelines during working hours.
2. The CONTRACTOR shall maintain at least one minimum 11-foot wide lane for local traffic to accommodate residents, visitors, and deliveries to properties in the subject segment and for emergency vehicles during the working hours.

##### D. Business Street Segments

1. The CONTRACTOR shall maintain vehicular access to business driveways and parking areas for business customers at all times.
2. Where compliance with the above is not possible, and with the ENGINEER's approval, access may be interrupted for a period not to exceed four hours per day for a maximum of two days per business.
3. The CONTRACTOR shall provide temporary signs to advise potential customers that the subject business remains open during construction and indicates the location of the alternative access.

##### E. Street Intersections

1. Major street intersection traffic control shall be performed in accordance with the specific traffic control plans included in the Contract Drawings. The CONTRACTOR shall use these drawings as the basis for developing its own staged traffic control plans.
2. All other street intersection traffic control shall be performed in accordance with the traffic control typical details included in the Contract Drawings.

- F. Traffic Restoration. All streets shall be restored through traffic at the close of working hours by either backfilling and compacting the excavation (including providing temporary or permanent

pavement) and/or covering with steel plates, as specified herein. Likewise, access shall be restored to all residence and business driveways at the end of each day.

#### 1.05 CONSTRUCTION LIMITATIONS

- A. No equipment or material shall be parked or stored within any traffic lanes or within 8 feet from the edge of traveled way at any time of day or night, including holidays and weekends, without an approved lane or road closure unless otherwise approved by the County of San Luis Obispo. Road closures and detours will be authorized only in special circumstances and must be approved by the County of San Luis Obispo a minimum of two weeks in advance.

#### B. Working Hours

1. Working hours for arterial streets shall be limited from 8:30 A.M. until 3:00 P.M., Monday through Friday. With a minimum of 48 hours advance notification by the CONTRACTOR, Saturday work may be approved by the ENGINEER on a case by case basis. With a minimum of two weeks advance notification by the CONTRACTOR, night work on arterial streets or weekend work may be approved by the ENGINEER on a case by case basis.
2. Working hours for collector streets shall be limited from 7:00 A.M. until 6:00 P.M., Monday through Friday.
3. Construction activities within one block of any school during student drop-off or pick-up hours, which are generally 7:30 A.M. until 8:30 A.M. and 2:30 P.M. until 3:30 P.M. respectively, Monday through Friday, shall be precluded.

- C. No activities that interfere with public traffic during the holiday season (defined as the four-day Thanksgiving weekend and December 18 through January 1) shall be conducted on the following streets:

1. Los Osos Valley Road
  2. 9<sup>th</sup> Street
  3. 10<sup>th</sup> Street
  4. 11<sup>th</sup> Street
  5. 2<sup>nd</sup> Street between El Moro Avenue and Santa Ysabel Avenue
  6. South Bay Boulevard.
- D. Either Los Osos Valley Road between South Bay Boulevard and Turri Road or South Bay Boulevard north of Los Osos Valley Road shall be open, with no traffic restrictions, at all times.
- E. Lane closures on Los Osos Valley Road and South Bay Boulevard are not permitted on Friday afternoons preceding three-day Federal Holiday weekends.
- F. No lane closures shall be permitted on Los Osos Valley Road from 7:00 am to 8:30 am, or from 3:00 pm to 6:00 pm on any weekday.

- G. No lane closures shall be permitted on South Bay Boulevard from 7:00 am to 8:30 am, or from 3:00 pm to 6:00 pm on any weekday.
- H. No lane closures shall be permitted on Santa Ysabel Avenue from 7:00 am to 8:30 am, or from 5:00 pm to 6:00 pm on any weekday.
- I. Traffic Signal Coordination and Detection: When work shall be done within 300 feet of any intersection with an existing traffic signal, the CONTRACTOR shall comply with the following conditions.
  - 1. Roadway Approaches with Video Detections Systems – The CONTRACTOR shall provide in the Traffic Control Plan the specific lane dimensions and configurations for the roadway during various construction phases to the ENGINEER and alert the ENGINEER a minimum of ten working days prior to commencement of work. Engineer will then coordinate review with the County Traffic Engineer to assess impacts for traffic detection at the intersection. The County Traffic Engineer will then adjust the video detection system to apply to the approved Traffic Control Plan and only after this is coordinated may work commence within 300 feet of the intersection. Any alterations to the approved Traffic Control Plan or other agreed phases of work will need to be processed as indicated to account for intersection video detection.
  - 2. Roadway Approaches without Video Detection Systems – The CONTRACTOR shall be aware that all other approaches to existing traffic signals have in pavement loop detection systems that will need to remain in operation during the construction operations. Submitted Traffic Control Plans will need to indicate whether these systems will be disturbed during construction. Any disruption of the loop detectors shall be indicated to the ENGINEER at least ten working days prior to commencement of work. If the system is removed during construction, the CONTRACTOR shall provide a temporary detection system for the roadway approach which will be operational at all times during the intersection construction.
    - a. A temporary detection system shall consist of the placement of preformed loop detection, as described in this specification, and have the induction loops connected to the traffic signal control system. The preformed loop detection loop shall be anchored into place through grinding existing pavement and repaving the road surface to secure the loop detection system. The CONTRACTOR shall be responsible for the continuous operation of the detection system during the construction phase.
    - b. The CONTRACTOR may propose alternative methods for signal detection to the ENGINEER at least fifteen working days prior to commencing work. ENGINEER will review alternatives with the County Traffic Engineer. No system shall be deployed without the consent of the ENGINEER.
    - c. At the conclusion of the project, the CONTRACTOR shall be responsible for replacement of the original loop detection system to its pre-construction layout and operation. Replacement loop detection system shall comply with the requirements of the CA MUTCD and 2010 State Standard Plans and Specification. The CONTRACTOR may leave the temporary preformed loop system in place if it meets the intent of the pre-construction condition and is approved by the ENGINEER.

1.06 ACCESS

- A. The CONTRACTOR shall provide emergency services access to all residences and businesses at all times. The CONTRACTOR shall have an adequate number of steel traffic plates and equipment to place the plates or shall backfill the trench and make it passable for emergency vehicles.
- B. The CONTRACTOR shall be responsible for maintaining local property access and access to existing public cross-streets within the limits of this Contract. CONTRACTOR shall perform road closures on half block increments or alternating streets.
- C. The CONTRACTOR shall contact the South Bay Fire Department that maintains a list of disabled persons in Los Osos and shall incorporate a plan to accommodate their special access needs.

1.07 NOTIFICATION

- A. The CONTRACTOR shall provide written notice at least three working days in advance of construction work to South Bay Fire Department, County Sheriff Department, California Highway Patrol, and Regional Transit (if applicable) and other emergency services including ambulance/paramedics.
- B. The CONTRACTOR shall provide written notification to residences and businesses a minimum of 72 hours in advance of performing any construction work. Notifications shall be by written notice to the resident placed on or near the building entrance or the property access point to be closed. Refer to Section 01566 – Public Information Program for additional requirements.
- C. The CONTRACTOR shall provide, place and maintain all construction signage in accordance with the Caltrans standard specifications and plans. The CONTRACTOR shall also provide portable electronic changeable message signs at the beginning and end of each pipeline heading/work area to inform the community of the anticipated work duration, that traffic is subject to delays and other pertinent information. The CONTRACTOR's Public Liaison shall coordinate the foregoing with the OWNER's Public Information Program (PIP) Consultant.
- D. General advisory signs shall be posted 10 days in advance of construction activities.
- E. The CONTRACTOR shall provide 72 hour advance notice with a CMS of lane closures on arterial roads.
- F. The CONTRACTOR shall notify all public agencies (post offices, sheriff, California Highway Patrol, ambulance services, mass transit, trash/sanitation, etc.) of all road closures at least three working days in advance of each closure.
- G. The CONTRACTOR shall notify residents of Sunny Oaks Mobile Home Park at least thirty days in advance by U.S. mail of any construction activities at the Sunny Oaks Pump Station. Construction activities shall be conducted in a manner to maintain driveway ingress and egress to the Mobile Home Park at all times. The CONTRACTORS's access to the site shall be developed from Los Osos Valley Road and shall not use the Mobile Home Park driveway. The CONTRACTOR may temporarily remove the Sunny Oaks Mobile Home Park entrance sign and associated lighting for the duration of construction activities. If removed, the sign and lighting shall be restored to original condition after construction activities are completed.

- H. The CONTRACTOR shall notify adjoining property owner, Dr. Knighton, 2239 Bayview Heights Dr., Los Osos, CA 93402, at least thirty days in advance by U.S. mail of any construction activities at the Mountain View Avenue Standby Power Facility site. The CONTRACTOR shall complete all work in the temporary construction easement within a six month period. All fencing, landscaping, and irrigation improvements within the temporary and permanent easement shall be stored to original condition. The description of the temporary and permanent easement will be furnished by the ENGINEER by request of the CONTRACTOR.

## PART 2 – PRODUCTS

### 2.01 TEMPORARY CRASH CUSHION MODULE

- A. The CONTRACTOR shall furnish, install, and maintain sand filled temporary crash cushion modules in groupings or arrays at each location shown the Drawings, as specified herein, or where designated by the ENGINEER. The grouping or array of sand filled modules shall form a complete sand filled temporary crash cushion in conformance with the detail shown on the Drawings and these Specifications and/or the 2010 State Standard Plans and Specifications.
- B. Whenever the work or the CONTRACTOR's operations established a fixed obstacle, the exposed fixed obstacle shall be protected with a sand filled temporary crash cushion. The sand filled temporary crash cushion shall be in place prior to opening the lanes adjacent to the fixed obstacle to public traffic.
- C. Sand filled temporary crash cushions shall be maintained in place at each location, including times when work is not actively in progress. Sand filled temporary crash cushions may be removed during a work period for access to the work provided that the exposed fixed obstacle is 15 feet or more from a lane carrying public traffic and the temporary crash cushion is reset to protect the obstacle prior to the end of the work period in which the fixed obstacle was exposed. When no longer required, as determined by the ENGINEER, sand filled temporary crash cushions shall be removed from the site of the work.
- D. Sand filled temporary crash cushion modules shall be from the Caltrans Pre-Qualified Products List available online at [http://www.dot.ca.gov/hq/esc/approved\\_products\\_list/pdf/highway\\_safety\\_features.pdf](http://www.dot.ca.gov/hq/esc/approved_products_list/pdf/highway_safety_features.pdf) .:
- E. Modules contained in each temporary crash cushion shall be of the same type at each location. The color of the modules shall be the standard color, as furnished by the vendor, with black lids. The modules shall exhibit good workmanship free from structural flaws and objectionable surface defects. The modules need not be new, but must be manufactured after March 31, 1997. Good used undamaged modules conforming to color and quality of the types specified herein may be used. If used Fitch modules requiring a seal are furnished, the top edge of the shall be securely fastened to the wall of the module by a continuous strip heavy duty tape.
- F. Modules shall be filled with sand in conformance with the directions, and to the sand capacity in pounds for each module shown on the Drawings. Sand for filling the modules shall be clean washed concrete sand commercial quality. At the time of placing in the modules, the sand shall contain no more than 7 percent water as determined by California Test 226.

- G. A Type R or P marker panel shall be attached to the front of the crash cushion as shown on the Drawings, when the closest point of the crash cushion array is within 12 feet of the traveled way. The marker panel, when required, shall be firmly fastened to the crash cushion with commercial quality hardware or by other methods determined by the ENGINEER.
- H. At the completion of the project, temporary crash cushion modules, sand filling, pallets or frames, and marker panels shall become the property of the CONTRACTOR and shall be removed from the site of the work, Temporary crash cushion modules shall not be installed in the permanent work,
- I. Temporary crash cushion modules placed in conformance with Section 7 and 12 of the 2010 State Standard Specifications will not be measured nor paid for.

## 2.02 FLASHING ARROW BOARDS

- A. All trailer-mounted flashing arrow boards shall meet or exceed the physical and operational requirement of the "California Manual on Uniform Traffic Control Devices".
- B. The unit shall have been evaluated by the NTPEP.
- C. The display housing shall meet the minimum size requirements of a Type C panel with a 15- or 25-lamp configuration.

## 2.03 PREFORMED LOOP DETECTION

- A. Preformed inductive loops shall be the type shown as required under this specification and detailed in the approved Traffic Control Plan.
- B. The loop shall be 6-foot square at a minimum. The loop shall consist of 4 turns of No. 16, or larger, wire with Type THWN or TFFN insulation.
- C. The loop wires shall be encased in 3/8 inch, minimum, Schedule 40 or Schedule 80 PVC or polypropylene conduit. The conduit shall be sealed to prevent the entrance of water and the movement of wires within the conduit.
- D. The loop wires from the preformed loop to the adjacent pull box shall be twisted together into a pair (at least 2 turns per foot) and encased in Schedule 40 or Schedule 80 PVC or polypropylene conduit between the preformed loop and the adjacent pull box or detector handhole. The lead-in conduit shall be sealed to prevent the entrance of water at the pull box or handhole end.
- E. In existing pavement, preformed loop installation shall conform to the following:
  - 1. Preformed loops and lead-in conduits shall be placed in slots, 1-1/4 inches, minimum width, cut into the existing pavement. The top of the conduit shall be 2 inches, minimum, below the top of pavement.
  - 2. Slots in hot mix asphalt pavement shall be filled with elastomeric sealant or hot-melt rubberized asphalt sealant.
- F. ENGINEER shall approve the manufacture of the Preformed Loop prior to installation.

### PART 3 – EXECUTION

#### 3.01 STREET USE

- A. Nothing herein shall be construed to entitle the CONTRACTOR to the exclusive use of any public street, alleyway, or parking area during the performance of the Work. The CONTRACTOR shall conduct its operations to prevent interference with the authorized work of utility companies or other agencies in such streets, alleyways, or parking areas.
- B. No street shall be closed to the public without first obtaining permission of the ENGINEER.
- C. The CONTRACTOR shall maintain two 10-foot or one 11-foot wide traffic lane(s) at all times. For single lane traffic provide signage and flagpersons at all times.

#### 3.02 PROTECTION

- A. During the CONTRACTOR's operations that require aerial work over vehicle lanes, the CONTRACTOR shall close such lanes to public traffic. Lane closure shall be subject to the restrictions of this Section. The CONTRACTOR may use flagpersons if the work is intermittent.
- B. All street traffic plates shall be provided with raised weld bead or non-skid coating. Plates placed on arterial roads shall be recessed to be flush with top of pavement, all plates on other streets shall be pinned, wedged, or otherwise secured. Provide cold or hot mix pavement around the edges of the plate for smooth passage of traffic.
- C. Toe boards shall be provided to retain excavated material if required by the ENGINEER or the OWNER.
- D. Fire hydrants on or adjacent to the Work shall be kept accessible to firefighting equipment at all times.
- E. Temporary provisions shall be made by the CONTRACTOR to assure the use of sidewalks and the proper functioning of all gutters, drain inlets, and other drainage facilities.
- F. The CONTRACTOR shall install and maintain temporary Type K railing and/or fencing around the construction areas.
- G. At the conclusion of each work day, all paved traveled-way surfaces shall be restored to an all-weather, traversable condition. There shall not be a drop-off along the edge of traveled way greater than 0.15-feet. "Low Shoulder" signs shall be placed along the traveled way where there is any drop-off. Drop-offs greater than 0.15-feet shall require either:
  - 1. Backfilling the drop-off to a minimum 4:1 slope.
  - 2. Providing appropriate steel plates over excavation.
  - 3. Providing temporary concrete railing along the work zone in conformance with the 2010 State Standard Plans and Specifications.

H. The CONTRACTOR shall provide temporary crash cushion modules for end treatments as shown on the Drawings in accordance with this Specification.

I. All flaggers shall hold current certifications. As defined under Cal OSHA Construction Safety Order Section 1599, all flaggers on the roadway shall be trained by qualified and experienced personnel to the aspects noted in Section 1599. The CONTRACTOR shall use trained personnel only. All workers within the roadway shall wear Type 2 CAL-OSHA high-visibility vests.

### 3.03 TRAFFIC CONTROL

- A. For the protection of traffic in public or private streets and ways, the CONTRACTOR shall provide, place and maintain all necessary barricades, traffic cones, warning signs, lights and other safety devices in accordance with the requirements of the CONTRACTOR's Traffic Control Plan and "California Manual on Uniform Traffic Control Devices" or the Standard Plans.
- B. Construction area signs shall be furnished, installed, maintained and removed when no longer required in accordance with Section 12 of the State Standard Specifications.
- C. Prior to initiating work, the CONTRACTOR shall install all required traffic control devices. In addition to these signs, the CONTRACTOR shall install barricades with steady burn flashers at 200-foot O.C. minimum and post-delineators at 50-foot O.C. minimum.
- D. Attention is directed to Section 7-1.08 "Public Convenience", Section 7-1.09 "Public Safety", Section 12-3.04 "Portable Delineators" of the State Standard Specifications.
- E. The CONTRACTOR shall cooperate with local authorities relative to handling traffic through the area and shall make arrangements relative to keeping the work area clear of parked vehicles.
- F. All trenches shall be protected during the hours work is not in progress so that no person or animal could fall into or be injured by an open trench.
- G. The CONTRACTOR shall take all necessary precautions for the protection of the Work and the safety of the public. All barricades and obstructions shall be illuminated at night and all lights shall be turned on from sunset until sunrise. The CONTRACTOR shall station such guards or flagpersons and shall conform to such special safety regulations relating to traffic control as may be required by the public authorities within their respective jurisdictions. All signs, signals, and barricades shall conform to the requirements of CAL-OSHA and Sub-part B, Part 1926, of the OSHA Safety and Health Standards for Construction.
- H. Traffic control devices shall be placed and maintained at all times during and after working hours of each day until the next phase of construction traffic control is being placed. At the end of the construction, all signing and striping shall be restored to the existing conditions, except that existing thermoplastic striping and pavement markings shall be replaced with painted striping and markings. The roadway is defined as "that area of the highway used for vehicular, pedestrian, and bicycle travel".

### 3.04 PEDESTRIAN REQUIREMENTS

- A. The CONTRACTOR shall maintain pedestrian access at all times. Where sidewalks or shoulder areas are closed by construction, an alternate route shall be provided. The alternate route shall

consist of a smooth surface a minimum of 48 inches in clear width. The surface may consist of asphalt concrete, aggregate base, or compacted earth. Signs and barricades shall be installed at the limit of construction to direct pedestrians to the alternate route.

- B. Fences or railings shall be placed adjacent to areas utilized by pedestrians when a vertical difference in excess of 6 inches exists between the elevation of the pedestrian walkway and the elevation any excavation adjacent to the walkway.
- C. The CONTRACTOR shall provide access to bus stops at all times or provide temporary bus stop location and signage. When access to existing bus stops is not practical due to construction activities, the CONTRACTOR shall provide a nearby temporary bus stop location until the existing location is accessible. The CONTRACTOR shall verify location of existing bus stops, confirm the current bus schedule, and coordinate the location of temporary bus stop location with the Transit Authority and School District. The CONTRACTOR shall provide signage at the existing bus stop and at the temporary bus stop.
- D. The CONTRACTOR shall not close a bike lane unless approved by the ENGINEER or Public Works Director.

### 3.05 DRIVEWAY ACCESS

- A. Except as provided below, the CONTRACTOR shall maintain access to all driveways. All materials and equipment shall be stored in such a manner as to not block access or egress to any driveway.
- B. The CONTRACTOR shall notify the property owner or occupant (if not property owner-occupied) of the pending closure of any driveway for more than one 8-hour work day at least three working days in advance of such closure. The CONTRACTOR shall minimize the inconvenience and the time period that the driveway will be closed. The CONTRACTOR will fully explain to the property owner or occupant the start and duration of the closure.
- C. Arrangement for access to the construction site over private property shall be mutually agreed upon by the CONTRACTOR and the property owner before start of construction. CONTRACTOR shall provide the property owner with a copy of the written arrangement or agreement.

### 3.06 PAVEMENT RESTORATION

- A. The CONTRACTOR shall provide and maintain roadway until permanent pavement is installed. All trench excavation within improved areas shall be restored in accordance with the pavement restoration details shown in the Contract Drawings and Section 02460 – Full Depth Restoration, Section 02576 – Pavement Repair and Resurfacing, and Section 02577 – Hot Mix Asphalt Pavement. Pavement shall be installed within 45 days of initiating excavation.
- B. Temporary pavement or all-weather surface is limited to a maximum of 45 days prior to final pavement repair..

3.07 COORDINATION WITH PROJECT LIAISON

- A. It is understood and agreed that proper traffic control is necessary to minimize public impacts and to ensure their safety. The CONTRACTOR shall on a daily basis communicate all traffic control notifications to the ENGINEER including necessary changes in anticipated traffic control measures.

END OF SECTION