In compliance with (Check one):

☐ Your application of ____________________ May 14, 2020
☐ Utility Notice No. ____________________ of ____________________
☐ Agreement No. ____________________ of ____________________
☐ RW Contract No. ____________________ of ____________________

TO: City of Placerville
3101 Center Street
Placerville, CA 95667
Attn: A. Cory Schiestel
530-642-5557

□ CIP 40708

PERMITTEE

and subject to the following. PERMISSION IS HEREBY GRANTED:

Remove existing curb and sidewalk along Mosquito Road and relocate to the Caltrans right of way line, grind and overlay Mosquito Road along a new park and ride lot adjacent to Mosquito Road, perform a grind and overlay of Mosquito Road, connect multiple utilities and trench utility connections near Locust Avenue to the new park and ride lot as shown on the attached plans received on August 3, 2020. In addition to the General and Special Provisions, the following condition apply:

1. Permittee must arrange the onsite pre-construction meeting with the Caltrans representative a minimum of two (2) weeks prior to the start of work to discuss scope of work, schedule, and Traffic Control Plans (TCP).

2. Due to the volume of traffic, night work is anticipated, work hours will be determined at the pre-construction meeting.

The following attachments are also included as part of this permit (Check applicable):

☐ Yes ☐ No General Provisions
☐ Yes ☐ No Utility Maintenance Provisions
☐ Yes ☐ No Special Provisions T9, T10, T13
☐ Yes ☐ No A Cal-OSHA permit, if required: Permit No. ____________________
☐ Yes ☐ No As-Built Plans Submittal Route Slip for Locally Advertised Projects
☐ Yes ☐ No Storm Water Pollution Protection Plan

□ Yes ☐ No The information in the environmental documentation has been reviewed and considered prior to approval of this permit.

This permit is void unless the work is completed before October 1, 2021

This permit is to be strictly construed and no other work other than specifically mentioned is hereby authorized.

No project work shall be commenced until all other necessary permits and environmental clearances have been obtained.

Mail Karimi, Permit Inspector

cc: Steve Hardie, Sunrise Maint. Region

AMARJEET BENIPAL, District Director
HIKMAT BSAIBESS, District Permit Engineer

ADA Notice For individuals with sensory disabilities, this document is available in alternate formats. For information call (916) 654-6410 or TDD (916) 654-3880 or write Records and Forms Management, 1120 N Street, MS-69, Sacramento, CA 95814.
PERMISSIONS Conditions Continued:

2. Traffic control must be placed, maintained, and performed by a California C-31 Construction Zone Traffic Control Contractor and be in accordance with the latest edition of CA MUTCD and Caltrans standards.

3. Shoulder/Lane closure requests (including "Road Work Ahead" type signs in shoulder) must be submitted to the Caltrans representative via email (with the form filled out) by NOON on the Monday preceding the week of planned work, i.e. if you need a closure for a Friday, you must make that request on the Monday of the preceding week (11 days prior). Requests received after NOON on Monday will not be processed until the following Monday.

4. Lane or shoulder closures are not authorized unless approved by Caltrans' Traffic Management Center (TMC). All closures and canceled closures must be called in to TMC dispatch at 916-859-7900 at the beginning and end of each scheduled closure. Failure to do so could result in denial of future closure requests.

5. Permittee must keep a log of all closures called in to TMC (10-97 closure up, 10-98 closure down, and 10-22 canceled closure), and the name of the dispatch person at the TMC. A copy of the log must be provided via e-mail to the Caltrans representative at the end of each week, no later than close of business on Friday.

7. The permittee must ensure that traffic does not back up the US Highway 50 westbound offramp.

8. If feasible, monuments should not be set within the traveled way. All monuments that must be set or perpetuated in paved areas, must be constructed in accordance with Caltrans Standard Specification Section 81, 'Monuments' and Standard Plan A74, Type D, or equal with prior approval of the District Surveys Engineer.

9. No sediment is allowed to be tracked onto the highway. Any sediment that is tracked onto the roadway must be swept immediately. Sediment must not be removed by washing/flushing with water.

10. Notwithstanding General Provision #4, your contractor must obtain an encroachment permit (double permit) prior to starting work. The following items are to be submitted by the contractor when applying for a double permit:
    a. Deposit of $820.00
    b. A binder with signed, hard copy of complete SWPPP containing the required signatures and certifications of the LRP, QSD and Contractor and including all attachments and appendices must be submitted for review and acceptance.

The Caltrans representative's contact information is:
Mali Karimi - Cell: (916) 709-1744, Email: mali.karimi@dot.ca.gov
STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION
ENCROACHMENT PERMIT GENERAL PROVISIONS
TR-0045 (REV. 01/2020)

1. AUTHORITY: The California Department of Transportation ("Department") has authority to issue encroachment permits under Division 1, Chapter 3, Article 1, Sections 660 through 734 of the Streets and Highways Code.

2. REVOCATION: Encroachment permits are revocable on five (5) business days' notice unless otherwise stated on the permit and except as provided by law for public corporations, franchise holders, and utilities. Notwithstanding the foregoing, in an emergency situation as determined by the Department, an encroachment permit may be revoked immediately. These General Provisions and any applicable Special Provisions are subject to modification or abrogation by the Department at any time. Permittees' joint use agreements, franchise rights, reserved rights or any other agreements for operating purposes in State of California ("State") highway right-of-way may be exceptions to this revocation.

3. DENIAL FOR NONPAYMENT OF FEES: Failure to pay encroachment permit fees when due may result in rejection of future applications and denial of encroachment permits.

4. ASSIGNMENT: This encroachment permit allows only the Permittee or Permittee's authorized agent to work within or encroach upon the State Highway System, and the Permittee may not assign this permit.

5. ACCEPTANCE OF PROVISIONS: Permittee understands and agrees to accept and comply with these General Provisions, the Special Provisions, any and all terms and/or conditions contained in or incorporated into the encroachment permit, and all attachments to the encroachment permit (collectively "the Permit Conditions"), for any encroachment, work, and/or activity to be performed under this encroachment permit and/or under color of authority of this encroachment permit. Permittee understands and agrees the Permit Conditions are applicable to and enforceable against Permittee as long as the encroachment remains in, under, or over any part of the State Highway System.

6. BEGINNING OF WORK: When traffic is not impacted (see General Provision Number 35), the Permittee must notify the Department's representative two (2) business days before starting permitted work. Permittee must notify the Department's representative if the work is to be interrupted for a period of five (5) business days or more, unless otherwise agreed upon. All work must be performed on weekdays during regular work hours, excluding holidays, unless otherwise specified in this encroachment permit.


Other than as expressly provided by these General Provisions, the Special Provisions, the Standard Specifications, Standard Plans, and other applicable Departmental standards, nothing in these General Provisions is intended to give any third party any legal or equitable right, remedy, or claim with respect to these General Provisions or any provision herein. These General Provisions are for the sole and exclusive benefit of the Permittee and the Department. Where reference is made in such standards to "Contractor" and "Engineer," these are amended to be read as "Permittee" and "Department's representative," respectively, for purposes of this encroachment permit.

8. PLAN CHANGES: Deviations from plans, specifications, and/or the Permit Conditions as defined in General Provision Number 5 are not allowed without prior approval from the Department's representative.

9. INSPECTION AND APPROVAL: All work is subject to monitoring and inspection. Upon completion of work, Permittee must request a final inspection for acceptance and approval by the Department. The local public agency Permittee must not give final construction approval to its contractor until final acceptance and approval by the Department is obtained.

10. PERMIT AT WORKSITE: Permittee must keep the permit package or a copy thereof at the work site at all times and must show it upon request to any Department representative or law enforcement officer. If the permit package, or a copy thereof, is not kept and made available at the work site at all times, the work must be suspended.

11. CONFLICTING ENCROACHMENTS: Permittee must yield start of work to ongoing, prior authorized work adjacent to or within the limits of the Permittee's project site. When existing encroachments conflict with Permittee's work, the Permittee must bear all cost for rearrangements (e.g., relocation, alteration, removal, etc.).

12. PERMITS FROM OTHER AGENCIES: This encroachment permit is invalidated if the Permittee has not obtained all permits necessary and required by law, including but not limited to permits from the California Public Utilities Commission (CPUC), California Occupational Safety and Health Administration (Cal/OSHA), or any other public agency having jurisdiction. Permittee warrants all such permits have been obtained before beginning work under this encroachment permit.

13. PEDESTRIAN AND BICYCLIST SAFETY: A safe minimum continuous passageway of four (4) feet must be maintained through the work area at existing pedestrian or bicycle facilities. At no time must pedestrians be diverted onto a portion of the street used for vehicular traffic. At locations where safe alternate passageways cannot be provided, appropriate signs and barricades must be installed at the limits of construction and in advance of the limits of construction at the nearest
21. **ACTUAL COST BILLING:** When specified in the permit, the Department will bill the Permittee actual costs at the currently set Standard Hourly Rate for encroachment permits.

22. **AS-BUILT PLANS:** When required, Permittee must submit one (1) set of folded-as-built plans within thirty (30) calendar days after completion and acceptance of work in compliance with requirements listed as follows:

   a) Upon completion of the work provided herein, the Permittee must submit a paper set of As-Built plans to the Department's representative.

   b) All changes in the work will be shown on the plans, as issued with the permit, including changes approved by Encroachment Permit Rider.

   c) The plans are to be prominently stamped or otherwise noted "AS-BUILT" by the Permittee's representative who was responsible for overseeing the work. Any original plan that was approved with a Department stamp, or by signature of the Department's representative, must be used for producing the As-Built plans.

   d) If construction plans include signing or striping, the dates of signing or stripping removal, relocation, or installation must be shown on the As-Built plans when required as a condition of the encroachment permit. When the construction plans show signing and striping for staged construction on separate sheets, the sheet for each stage must show the removal, relocation, and installation dates of the appropriate staged striping and signing.

   e) As-Built plans must contain the Encroachment Permit Number, County, Route, and Post Mile on each sheet.

   f) The As-Built Plans must not include a disclaimer statement of any kind that differs from the obligations and protections provided by sections 6735 through 6735.6 of the California Business and Professions Code. Such statements constitute non-compliance with Encroachment Permit requirements and may result in the Department retaining Performance Bonds or deposits until proper plans are submitted. Failure to comply may also result in denial of future encroachment permits or a provision requiring a public agency to supply additional bonding.

23. **PERMITS FOR RECORD PURPOSES ONLY:** When work in the State highway right-of-way is within an area under a Joint Use Agreement (JUA) or a Consent to Common Use Agreement (CCUA), a fee exempt encroachment permit is issued to the Permittee for the purpose of providing a notice and record of work. The Permittee's prior rights must be preserved without the intention of creating new or different rights or obligations. "Notice and Record Purposes Only" must be stamped across the face of the encroachment permit.

24. **BONDING:** The Permittee must file bond(s), in advance, in the amount(s) set by the Department and using forms acceptable to the Department. The bonds must name the
Department as obligee. Failure to maintain bond(s) in full force and effect will result in the Department stopping all work under this encroachment permit and possibly revoking other encroachment permit(s). Bonds are not required of public corporations or privately-owned utilities unless Permittee failed to comply with the provisions and/or conditions of a prior encroachment permit. The surety company is responsible for any latent defects as provided in California Code of Civil Procedure section 337.15. A local public agency Permittee also must comply with the following requirements:

a) In recognition that project construction work done on State property will not be directly funded and paid by State, for the purpose of protecting stop notice claimants and the interests of State relative to successful project completion, the local public agency Permittee agrees to require the construction contractor to furnish both a payment and performance bond in the local public agency’s name with both bonds complying with the requirements set forth in Section 3-1.05 Contract Bonds of the Department’s Standard Specifications before performing any project construction work.

b) The local public agency Permittee must defend, indemnify, and hold harmless the State and the Department, and the Directors, officers, and employees of the State and/or Department, from all project construction related claims by contractors, subcontractors, and suppliers, and from all stop notice and/or mechanic’s lien claimants. The local public agency also agrees to remedy, in a timely manner and to the Department’s satisfaction, any latent defects occurring as a result of the project construction work.

25. FUTURE MOVING OF INSTALLATIONS: Permittee understands and agrees to relocate a permitted installation upon notice by the Department. Unless under prior property right or agreement, the Permittee must comply with said notice at the Permittee’s sole expense.

26. ENVIRONMENTAL:

a) ARCHAEOLOGICAL/HISTORICAL: If any archaeological or historical resources are identified or encountered in the work vicinity, the Permittee must immediately stop work, notify the Department’s representative, retain a qualified archaeologist who must evaluate the site at Permittee’s expense, and make recommendations to the Department’s representative regarding the continuance of work.

b) HAZARDOUS MATERIALS: If any hazardous waste or materials (such as underground storage tanks, asbestos pipes, contaminated soil, etc.) are identified or encountered in the work vicinity, the Permittee must immediately stop work, notify the Department’s representative, retain a qualified hazardous waste/material specialist who must evaluate the site at Permittee’s expense, and make recommendations to the Department’s representative regarding the continuance of work.

27. PREVAILING WAGES: Work performed by or under an encroachment permit may require Permittee’s contractors and subcontractors to pay appropriate prevailing wages as set by the California Department of Industrial Relations. Inquiries or requests for interpretations relative to enforcement of prevailing wage requirements must be directed to the California Department of Industrial Relations.

28. LIABILITY, DEFENSE, AND INDEMNITY: The Permittee agrees to indemnify and save harmless the State, the Department, and the Directors, officers, employees, agents and/or contractors of the State and/or of the Department, including but not limited to the Director of Transportation and the Deputy Directors, from any and all claims, demands, damages, costs, liability, suits, or actions of every name, kind, and description, including but not limited to those brought for or on account of property damage, invasion of privacy, violation or deprivation of a right under a state or federal law, environmental damage or penalty, or injury to or death of any person including but not limited to members of the public, the Permittee, persons employed by the Permittee, and/or persons acting on behalf of the Permittee, arising out of or in connection with: (a) the issuance and/or use of this encroachment permit; and/or (b) the encroachment, work, and/or activity conducted pursuant to this encroachment permit, or under color of authority of this encroachment permit but not in full compliance with the Permit Conditions as defined in General Provision Number 5 ("Unauthorized Work or Activity"); and/or (c) the installation, placement, design, existence, operation, and/or maintenance of the encroachment, work, and/or activity; and/or (d) the failure by the Permittee or anyone acting on behalf of the Permittee to perform the Permittee’s obligations under any part of the Permit Conditions as defined in General Provision Number 5, in respect to maintenance or any other obligation; and/or (e) any change to the Department’s property or adjacent property, including but not limited to the features or conditions of either of them, made by the Permittee or anyone acting on behalf of the Permittee; and/or (f) a defect or obstruction related to or caused by the encroachment, work, and/or activity whether conducted in compliance with the Permit Conditions as defined in General Provision Number 5 or constituting Unauthorized Work or Activity, or from any cause whatsoever. The duty
of the Permittee to indemnify and save harmless includes the duties to defend as set forth in Section 2778 of the Civil Code.

It is the intent of the parties that except as prohibited by law, the Permittee will defend, indemnify, and hold harmless as set forth in this General Provision Number 28 regardless of the existence or degree of fault or negligence, whether active or passive, primary or secondary, on the part of: the State; the Department; the Directors, officers, employees, agents and/or contractors of the State and/or of the Department, including but not limited to the Director of Transportation and the Deputy Directors; the Permittee; persons employed by the Permittee; and/or persons acting on behalf of the Permittee.

The Permittee waives any and all rights to any type of expressed or implied indemnity from or against the State, the Department, and the Directors, officers, employees, agents, and/or contractors of the State and/or of the Department, including but not limited to the Director of Transportation and the Deputy Directors.

The Permittee understands and agrees to comply with the obligations of Titles II and III of the Americans with Disabilities Act in the conduct of the encroachment, work, and/or activity whether conducted pursuant to this encroachment permit or constituting Unauthorized Work or Activity, and further agrees to defend, indemnify, and save harmless the State, the Department, and the Directors, officers, employees, agents, and/or contractors of the State and/or of the Department, including but not limited to the Director of Transportation and the Deputy Directors, from any and all claims, demands, damages, costs, penalties, liability, suits, or actions of every name, kind, and description arising out of or by virtue of the Americans with Disabilities Act.

The Permittee understands and agrees the Directors, officers, employees, agents, and/or contractors of the State and/or of the Department, including but not limited to the Director of Transportation and the Deputy Directors, are not personally responsible for any liability arising from or by virtue of this encroachment permit.

For the purpose of this General Provision Number 28 and all paragraphs herein, "contractors of the State and/or of the Department" includes contractors and their subcontractors under contract to the State and/or the Department.

This General Provision Number 28 and all paragraphs herein take effect immediately upon issuance of this encroachment permit, and apply before, during, and after the encroachment, work, and/or activity contemplated under this encroachment permit, whether such work is in compliance with the Permit Conditions as defined in General Provision Number 5 or constitutes Unauthorized Work or Activity, except as otherwise provided by California law. The Permittee’s obligations to defend, indemnify, and save harmless under this General Provision Number 28 take effect immediately upon issuance of this encroachment permit and have no expiration date, including but not limited to situations in which this encroachment permit expires or is revoked, the work or activity performed under this encroachment permit is accepted or not accepted by the Department, the encroachment, work, and/or activity is conducted in compliance with the Permit Conditions as defined in General Provision Number 5 or constitutes Unauthorized Work or Activity, and/or no work or activity is undertaken by the Permittee or by others on the Permittee's behalf.

29. NO PRECEDENT ESTABLISHED: This encroachment permit is issued with the understanding that it does not establish a precedent.

30. FEDERAL CIVIL RIGHTS REQUIREMENTS FOR PUBLIC ACCOMMODATION:
   a) As part of the consideration for being issued this encroachment permit, the Permittee, on behalf of Permittee and on behalf of Permittee’s personal representatives, successors in interest, and assigns, does hereby covenant and agree that:
      i) No person on the grounds of race, color, or national origin may be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities.
      ii) That in connection with the construction of any improvements on said lands and the furnishings of services thereon, no discrimination must be practiced in the selection and retention of first-tier subcontractors in the selection of second-tier subcontractors.
      iii) That such discrimination must not be practiced against the public in their access to and use of the facilities and services provided for public accommodations (such as eating, sleeping, rest, recreation), and operation on, over, or under the space of the State highway right-of-way.
      iv) That the Permittee must use the premises in compliance with all other requirements imposed pursuant to Title 15, Code of Federal Regulations, Commerce and Foreign Trade, Subtitle A. Office of the Secretary of Commerce, Part 8 (15 C.F.R. Part 8) and as said Regulations may be amended.
   b) That in the event of breach of any of the above nondiscrimination covenants, the State and the Department have the right to terminate this encroachment permit and to re-enter and repossess said land and the facilities thereon and hold the same as if said permit had never been made or issued.

31. MAINTENANCE OF HIGHWAYS: By accepting this encroachment permit, the Permittee agrees to properly maintain any encroachment. This assurance requires the Permittee to provide inspection and repair any damage, at Permittee’s expense, to State facilities resulting from the encroachment.
32. SPECIAL EVENTS: In accordance with subdivision (a) of Streets and Highways Code section 682.5 and 682.7, the Department is not responsible for the conduct or operation of the permitted activity, and the applicant agrees to defend, indemnify, and hold harmless the State, the department, and the Directors, officers, employees, agents, and contractors of the State and/or of the Department, including but not limited to the Director of Transportation and the Deputy Directors, from any and all claims, demands, damages, costs, liability, suits, or actions of every name, kind and description arising out of any activity for which this encroachment permit is issued. The Permittee is required, as a condition of this encroachment permit, for any event that awards prize compensation to competitors in gendered categories, for any participant level that receives prize compensation, to ensure the prize compensation for each gendered category is identical at each participant level. (Streets and Highways Code, section 682.7.)

The Permittee understands and agrees to comply with the obligations of Titles II and III of the Americans with Disabilities Act in the conduct of the event, and further agrees to defend, indemnify, and save harmless the State and the Department, and the Directors, officers, and employees of the State and/or Department, including but not limited to the Director of the Department and the Deputy Directors, from any and all claims, demands, damages, costs, liability, suits, or actions of every name, kind and description arising out of or by virtue of the Americans with Disabilities Act.

33. PRIVATE USE OF STATE HIGHWAY RIGHT-OF-WAY: State highway right-of-way must not be used for private purposes without compensation to the State. The gifting of public property uses and therefore public funds is prohibited under the California Constitution, Article XVI, Section 6.

34. FIELD WORK REIMBURSEMENT: Permittee must reimburse the Department for field work performed on Permittee’s behalf to correct or remedy hazards or damaged facilities, or to clear refuse, debris, etc. not attended to by the Permittee.

35. LANE CLOSURE REQUEST SUBMITTALS AND NOTIFICATION OF CLOSURES TO THE DEPARTMENT: Attention is directed to Section 12-4.02A(3) Submittals, of the Department’s Standard Specifications, for lane closure requests submittals and schedules. The Permittee must notify the Department’s representative and the Traffic Management Center (TMC) before initiating a lane closure or conducting an activity that may cause a traffic impact. In emergency situations when the corrective work or the emergency itself may affect traffic, the Department’s representative and the TMC must be notified as soon as possible.

36. SUSPENSION OF TRAFFIC CONTROL OPERATION: The Permittee, upon notification by the Department’s representative, must immediately suspend all lane closure operations and any operation that impedes the flow of traffic. All costs associated with this suspension must be borne by the Permittee.

37. UNDERGROUND SERVICE ALERT (USA) NOTIFICATION: Any excavation requires compliance with the provisions of Government Code section 4216 et seq., including but not limited to notice to a regional notification center, such as Underground Service Alert (USA). The Permittee must provide notification to the regional notification center at least forty-eight (48) hours before performing any excavation work within the State highway right-of-way.

38. COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA): All work within the State highway right-of-way to construct and/or maintain any public facility must be designed, maintained, and constructed strictly in accordance with all applicable Federal Access laws and regulations (including but not limited to Section 504 of the Rehabilitation Act of 1973, codified at 29 U.S.C. § 794), California Access laws and regulations relating to ADA, along with its implementing regulations, Title 28 of the Code of Federal Regulations Parts 35 and 36 (28 C.F.R., Ch. I, Part 35, § 35.101 et seq., and Part 36, § 36.101 et seq.), Title 36 of the Code of Federal Regulations Part 1191 (36 C.F.R., Ch. XI, Part 1191, § 1191.1 et seq.), Title 49 of the Code of Federal Regulations Part 37 (49 C.F.R., Ch. A, Part 37, § 37.1 et seq.), the United States Department of Justice Title II and Title III for the ADA, and California Government Code section 4450 et seq., which require public facilities be made accessible to persons with disabilities. Notwithstanding the requirements of the previous paragraph, all construction, design, and maintenance of public facilities must also comply with the Department's Design Information Bulletin 82, “Pedestrian Accessibility Guidelines for Highway Projects.”

39. STORMWATER: The Permittee is responsible for full compliance with the following:

a) For all projects, the Department’s Storm Water Program and the Department’s National Pollutant Discharge Elimination System (NPDES) Permit requirements under Order No. 2012-0011-DWQ, NPDES No CAS000003; and

b) In addition, for projects disturbing one acre or more of soil, with the California Construction General Permit Order No. 2009-0009-DWQ, NPDES No CAS000002; and

c) In addition, for projects disturbing one acre or more of soil in the Lahontan Region with Order No. R6T-2016-0010, NPDES No CAG516002.

d) For all projects, it is the Permittee’s responsibility to install, inspect, repair, and maintain all facilities and devices used for water pollution control practices (Best Management Practices/BMPs) before performing daily work activities.
### TABLE 1

**TAPER LENGTH CRITERIA AND CHANNELIZING DEVICE SPACING**

<table>
<thead>
<tr>
<th>SPEED ($)</th>
<th>MINIMUM TAPER LENGTH ( \text{FOR WIDTH OF OFFSET 12 FEET (\text{$})} )</th>
<th>MAXIMUM CHANNELIZING DEVICE SPACING</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>TANGENT MERGING SHIFTING SHOULDER TAPER TANGENT Conflict</td>
<td></td>
</tr>
<tr>
<td>m.p.h.</td>
<td>FT</td>
<td>FT</td>
</tr>
<tr>
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<tr>
<td>75</td>
<td>1800</td>
<td>920</td>
</tr>
</tbody>
</table>

\* For other offsets, use the following taper length formula for \( L \):

\[ L = \frac{S}{100} \times (0.01 \times W) \]

\( L = \text{Width of Offset in feet} \)

\( S = \text{Speed in m.p.h.} \)

\( W = \text{Width of Offset in feet} \)

**TABLE 2**

**LONGITUDINAL BUFFER SPACE AND FLAGGER STATION SPACING**

<table>
<thead>
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<th>SPEED ($)</th>
<th>MIN D (\text{$})</th>
<th>DOWNGRADE MIN D (\text{$})</th>
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<td>820</td>
<td>820</td>
</tr>
</tbody>
</table>

\* Speed is posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in m.p.h.

\* Longitudinal buffer space or flagger station spacing

\* Use an sustained downgrade steeper than 3 percent and longer than 1 mile.

**TABLE 3**

**ADVANCE WARNING SIGN SPACING**

<table>
<thead>
<tr>
<th>ROAD TYPE</th>
<th>DISTANCE BETWEEN SIGNS ($)</th>
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</thead>
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<tr>
<td>A</td>
<td>FT</td>
</tr>
<tr>
<td>B</td>
<td>FT</td>
</tr>
<tr>
<td>C</td>
<td>FT</td>
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</tbody>
</table>

\* The distances are approximate, are intended for guidance purposes only, and should be applied with engineering judgment. These distances should be adjusted by the Engineer for field conditions, if necessary, by increasing or decreasing the recommended distances.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM TABLES
FOR LANE AND RAMP CLOSURES

NO SCALE

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TYPICAL LANE CLOSURE WITH REVERSIBLE CONTROL

NOTES:
1. Portable delineators placed at one-half the spacing indicated for traffic cones may be used instead of cones for daytime closures only.
2. Advance warning sign shall be equipped with at least two flags for daytime closure. Each flag shall be at least 15 x 15 in size and shall be orange or fluorescent orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
3. A C29-2 "END ROAD WORK" sign shall be placed at the end of the lane closure unless the end of the work area is obvious from the work area within the larger project's limits.
4. An optional C29(CA) sign may be placed below the C29(CA) sign.
5. Place C30(CA) "LANE CLOSED" sign at 500' to 1000' intervals throughout extended work area. They are optional if the work area is visible from the next flagger station.
6. Length may be reduced by the Engineer to address site conditions.
7. Either traffic cones or bollard shall be placed on the road. Bollards should be Type I, II, or III.
8. When a pilot car is used, place a C37(CA) "TRAFFIC CONTROL/PILOT AND FOLLOW PILOT CAR" sign with black legend on white background at all intersections, driveways, and other areas without a flagger within the traffic control area.