



FA PROCEDURE: FLAGGING AND TRAFFIC CONTROL PROCEDURE

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1. PROCEDURE PURPOSE

Due in part to LBNL's narrow and steep topography, traffic control and working in or near its roadways presents increased exposure to worker injuries. This procedure is intended to supplement the requirements of Pub 3000 and related documents to help ensure workers and guests are protected during these activities.

2. APPLICABILITY

This procedure applies to Facilities personnel who work on or near traffic or roadways or to those who engage in traffic control and flagging operations. The Construction Safety Manual contains traffic control and flagging requirements for subcontractors.

All Facilities personnel who work adjacent to vehicle traffic or in a roadway will utilize controls to protect themselves, other workers, and pedestrians from injury by vehicles or equipment. This policy also applies to operations that warn, control, move, or expedite equipment, vehicular and pedestrian traffic around a hazard or work area. Controls shall be consistent with the requirements of CalOSHA Title 8 and with the standards and guidelines of the Federal and California Manual on Uniform Traffic Control Devices.

3. PROCESS

- 3.1. All flaggers and workers who set up and operate temporary traffic control zones must be trained and currently certified according to the requirements of CalOSHA Title 8 and Pub 3000.
- 3.2. The requirements of CalOSHA Title 8 and the standards and guidelines of the Federal and California Manual on Uniform Traffic Control Devices shall be followed.
- 3.3. The minimum height of traffic control cones or delineators used at LBNL shall not be less than 28 inches in height.
- 3.4. "Flagger Ahead" warning signs shall not be used in place of the pictorial Flagger Ahead warning sign.
- 3.5. Use only traffic control devices and signs that are free from defects, damage or



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excessive wear and that are clean and legible.

- 3.6. Planning for work that requires a flagger or temporary traffic control zone shall consider the following:
 - 3.6.1. Can the work be scheduled or deferred to a time when exposure to workers and flaggers is minimized
 - 3.6.2. Use multiple flagger stations as appropriate
 - 3.6.3. Designate flagger stations in locations that provide a quick and unobstructed escape route
 - 3.6.4. Conduct pre-task safety meetings prior to roadwork or flagging operations to review the traffic control plan, work order documentation, and safety hazards.
 - 3.6.5. Except for emergency operations, temporary traffic control zones are to be planned in advance and plans shall be submitted for review and approval to the following:
 - A. EH&S Traffic Subject Matter Expert
 - B. Facilities Civil/Structural Engineer
 - C. Facilities Construction Truck Traffic Coordinator
 - 3.6.6. Protective Services (fire and security), Facilities personnel (including transportation and bus service managers), and the LBNL community (TABL) will be notified in advance of any significant road closures, lane reductions, or access restrictions as appropriate
- 3.7. Project Managers / Construction Managers and / or Flagging supervisors will ensure that temporary traffic control zones are planned and set up properly for the environment and conditions
 - 3.7.1. Project and Construction Managers and Flagging supervisors must be trained in the planning and proper setup of temporary traffic control zones
- 3.8. When a worker is kneeling in or near a roadway at least one flagger shall be present

4. ROLES AND RESPONSIBILITIES

- 4.1. Managers are responsible for monitoring compliance with this procedure as applicable.



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4.2. Employees are responsible for following the direction of flaggers.

5. DEFINITIONS

| TERM | DEFINITION |
|------|--|
| | Terms are defined in the California Manual on Uniform Traffic Control Devices. |
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6. REFERENCES

| 6.1 Source Requirement Documents | |
|------------------------------------|--|
| Requirement ID | Title |
| | CalOSHA Title 8 |
| | Federal and California Manual on Uniform Traffic Control Devices |
| 6.2 Related Implementing Documents | |
| Requirement ID | Title |
| PUB-3000 | ES&H Manual |
| | Construction Safety Manual |

7. PROCESS MAP - N/A

8. METRICS

8.1. The health of the process will be measured by routine inspection as defined in SOP0007: Safety Inspection Standard Operating Procedure

9. CONTACT - N/A

10. REVISION HISTORY LOG

| REVISION NUMBER | REVISION DATE | BRIEF DESCRIPTION OF CHANGES MADE | NAME OF PERSON MAKING CHANGE | |
|-----------------|---------------|-----------------------------------|------------------------------|--|
| 1 | 01-19-16 | | Gene Tucker | |



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| 2 | 01-29-18 | Document Reformatted | Laura Chen/Heather Thomson | |
| 3 | 09-01-20 | Approvals Updated Reformatted Doc | Gene Tucker Lai Saechao | |

11. PROCEDURE APPROVALS

| REVIEWER APPROVER AUTHOR | TITLE | NAME | SIGNATURE | DATE |
|--------------------------------|---------------------------|----------------|-----------|------|
| Author | EHS/FA Safety Specialist | Eugene Tucker | | |
| Reviewer | Civil/Structural Engineer | Dean Sedlachek | | |
| Approver | EHS/FA Safety Manager | Kevin Goodwin | | |

12. APPENDICES - N/A