|  |  |
| --- | --- |
| **Project Description** | **Use** |
| • | Project Type | \_\_ |
| • | Project location | \_\_  |
| • | General schedule and timeline | \_\_ |
| • | Project goals and constraints *(benefits and challenges that may be expected)* | \_\_ |
| • | Proposed construction phasing/staging | \_\_ |
| • | Lane closure | \_\_ |
| • | Related project(s) *(Other ongoing/planned projects adjacent on same highway, parallel routes or alternate routes that may cause cumulative effects)* | \_\_ |
| **Existing and Future Conditions** |
| • | Data collected and analysis/modeling approach | \_\_ |
| • | Existing roadway characteristics *(history, roadway classification, number of lanes, unusual geometric features, urban/suburban/rural)* | \_\_ |
| • | Existing and historical data (volumes, speed, capacity, volume to capacity ratio, percent truck, queue length, peak traffic hours) | \_\_ |
| • | Existing traffic operations *(signal timing, traffic controls)* | \_\_ |
| • | Incident and crash data *(Use most current crash data for the last three years)* | \_\_ |
| • | Local community and business concerns/issues *(inputs from community and businesses)* | \_\_ |
| **Work Zone Impacts Assessment** |
| • | Summary of anticipated work zone impacts | \_\_ |
| • | Impacts assessment of alternative project design and management strategies *(in conjunction with each other)** Construction approach/phasing/staging
* Work zone impacts management strategies
* Does the project affect other projects in other regions?
* What is the anticipated magnitude of traffic impacts of the proposed project on other roads/routes or corridor?
 | \_\_\_\_\_\_\_\_\_\_ |
| • | Traffic Analysis results *(if applicable - use to compare existing and future traffic)** Traffic analysis strategies *(How were expected construction traffic conditions determine? Document any traffic reduction factors or other assumptions used in the calculations)*
* Traffic growth rates *(used for analysis, include source and assumptions)*
* Traffic prediction during construction (volume, delay, queue)
* Measures of effectiveness *(used for the analysis, E.g. capacity, volume, queue, speed, travel time, diversions, safety, noise, environmental, adequacy of detour routes, etc.)*
* Analysis tool selection methodology and justification
* Analysis results
1. Traffic (Volume, capacity, delays, queue, noise?)
2. Safety
3. Adequacy of detour or alternate routes
4. Business/community impacts
5. Seasonal impacts
6. Pedestrian and bicyclist impacts
7. Emergency service provider impacts
8. Transit impacts
9. Cost effectiveness/evaluation of alternatives
 | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| • | Selected alternative* Construction approach/phasing/staging strategies
* Work zone impacts management strategies
 | \_\_\_\_ |
| **Selected Work Zone Impact Management Strategies** |
| • | **Traffic Control Strategies*** Traffic control devices
* Positive protection devices (e.g. barrier)
* Law enforcement
* Flagging
* Temporary widening of lane/shoulder to maintain traffic lanes
* Off-peak lane closure/night work
* Ramp Closure
* Project coordination, contracting and
* Innovative construction strategies (A +B bidding, Lane rental)
 | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| • | **Public Information & Outreach Strategies*** Public meetings/speaker forums
* Radio & TV
* Internet
* Paid ads
* Brochures & Mailers
* Telephone hotline (511)
* State TOC
* Portable changeable message signs
* Dynamic message signs
* Work zone traveler warning & information systems
* Highway advisory radio
* Availability of detour routes
* Availability of alternate routes
* Planned lane closure website
* Bicycle & pedestrian information
 | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| • | **Transportation Operations Strategies*** Park & Ride
* Ridesharing
* Variable work hours
* Incentives (transit, ridesharing)
* Retiming of signal on detours/alternate routes
* Temporary traffic signals
* Turn/parking restrictions
* Heavy vehicle restrictions
* Use of dynamic lane closures
* Ramp metering
* Speed limit reduction (requires temporary speed zone declaration approved by Region Traffic Engineer and State Traffic Engineer if reducing from 65mph)
* Law enforcement mitigation contract
* Movable barriers
* Crash cushions
* Temporary rumble strips
* Work zone ITS
* Project onsite safety training
* Construction safety inspector
 | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| • | **Incident Management Strategies*** Tow/freeway service patrol
* Deployment of 511
* STOC
* State Patrol
* Coordinate with media
* Local detour routes
* Incident/emergency response plan
* Temporary pullouts for disabled vehicles
* Temporary crash investigation sites
 | \_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ |
| **TMP Monitoring** |
| • | Monitoring requirements | \_\_ |
| • | Evaluation report of success and failures of TMP | \_\_ |
| **Contingency Plans** |
| • | Trigger Points | \_\_ |
| • | Contractor(s) Contingency plan | \_\_ |
| • | Standby Equipment or personnel | \_\_ |
| **TMP Implementation Costs** |
| • | Itemized cost | \_\_ |
| • | Cost responsibilities/sharing opportunities | \_\_ |
| • | Funding source(s) | \_\_ |
| **Special Considerations/Attachments** |
| • | Special provisions (for special procedures, material, technology, or equipment) | \_\_ |
| • | Oversized truck loads  | \_\_ |