|  |  |  |  |
| --- | --- | --- | --- |
| **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 | | \_\_ |