

# TRANSPORTATION MANAGEMENT PLAN DATA SHEET

For Consultant TMP Projects

PROJECT MANAGER Marilou R. Ayupan	408-605-9664
PROJECT ENGINEER Admas Zewdie	408-219-5678
DIST-EA: 04-4G0800 PROGRAM: 0412000332 - HB5, 20.025.700	
PROJECT COMMON NAME- I-80 Express Lanes (West Segment)	
CO-RTE-PM (KP): 04-SOL-80-R10.4/21.12	
LEGAL DESCRIPTION: Convert existing high occupancy vehicle (HOV) lanes on both directions to express lanes.	
DETAILED WORK DESCRIPTION: The proposed project would convert the existing high occupancy lane to express lane in each direction. This project will require the installation of static and dynamic signs, electronic tolling equipment, and toll collection, retrofit of existing California Highway Patrol (CHP) observation areas, mainline restriping, and installation of ancillary components. Additional work includes the extension of the auxiliary lane along EB I-80 between Beck Avenue on-ramp and Travis Boulevard off-ramp and the related modification of the existing EB Travis Boulevard off-ramp into two separate off-ramps as well as the installation of highway lighting at mainline decision points.	
CONSTRUCTION COST ESTIMATE: \$24,700,000	
PROJECT PHASE: PSR <input type="checkbox"/> PR <input checked="" type="checkbox"/> PS&E <input type="checkbox"/> %	

## Traffic Impact Description

A) Does the proposed project includes long term closures (> 24 hours) Yes \_\_\_\_\_ No **X**  
 [Check Applicable Facilities. If "No", Continue to Item D ( Preliminary TMP Elements and Costs.)]

- Freeway Lanes
- Freeway Shoulder
- Freeway Connectors
- Freeway Off-ramps
- Freeway On-ramps
- Local Streets
- Full Freeway Closures

B) Are there any construction strategies that can restore existing number of lanes?  
 (Check Applicable Strategies) Yes \_\_\_\_\_ No \_\_\_\_\_

- Temporary Roadway Widening Structure Involvement?  
 If yes, notify Project Manager Yes \_\_\_\_\_ No \_\_\_\_\_
- Lane Restriping (Temporary Narrow Lane Widths)
- Roadway Realignment (Detour Around Work Area)
- Median and/or Right Shoulder Utilization
- Use of HO V lane as a Temporary Mixed Flow Lane
- Staging Alternatives (Explain Below)

Notes:

---



---



---

C) Calculated Delays (To be performed if construction strategies in Item B do not mitigate congestion resulting from Item A)

1. Estimated Maximum Individual Vehicle Delay	_____	Minutes
2. Existing or Acceptable Individual Vehicle Delay	_____	Minutes
3. Estimated Individual Vehicle Delay Requiring Mitigation		
	[(1) - (2)]	_____ Minutes
4. Estimated Delay Cost (Most Applicable)		
<input type="checkbox"/> Extended Weekend Closure	\$ _____	
<input type="checkbox"/> Weekly (7 days)	\$ _____	
5. Estimated Duration of Project Related Delays	\$ _____	
6. Cost of Construction Related Delays [(4 x 5)]	\$ _____	

D) Preliminary TMP Elements and Cost

1. Public Information

<input checked="" type="checkbox"/> a. Brochures and Mailers	\$ _ 10,000 _____
<input checked="" type="checkbox"/> b. Press Release	\$ _ 10,000 _____
<input checked="" type="checkbox"/> c. Paid Advertising	\$ _ 20,000 _____
<input type="checkbox"/> d. Public Information Center/Kiosk	\$ _____
<input checked="" type="checkbox"/> e. Public Meeting/Speakers Bureau	\$ _ 5,000 _____
<input checked="" type="checkbox"/> f. Telephone Hotline	\$ _ 5,000 _____
<input checked="" type="checkbox"/> g. Internet	\$ _ 25,000 _____
<input type="checkbox"/> h. Notification to impacted groups	\$ _____
<input type="checkbox"/> (Bicycle users, Pedestrians with disability, others..)	
<input checked="" type="checkbox"/> i. Others _Miscellaneous Outreach_____	\$ _ 25,000 _____

**TOTAL \$ \_ 100,000 \_\_\_\_\_**

2. Motorists Information strategies

<input type="checkbox"/> a. Changeable Message Signs (Fixed)	\$ _____
<input checked="" type="checkbox"/> b. Changeable Message Signs (Portable)	\$ _ 122,000 _____
<input checked="" type="checkbox"/> c. Ground Mounted Signs	\$ _ 120,000 _____
<input checked="" type="checkbox"/> d. Highway Advisory Radio	\$ _ 8,000 _____
<input type="checkbox"/> e. Caltrans Highway Information Network (CHIN)	\$ _____
<input type="checkbox"/> f. Revised Transit Schedules/Maps	\$ _____
<input type="checkbox"/> g. Others _____	\$ _____

**TOTAL \$ \_ 250,000 \_\_\_\_\_**

3. Incident Management

<input checked="" type="checkbox"/> a. Construction or Maintenance Zone Enhanced Enforcement Program (COZEER OR MAZEER)	\$ _ 310,000 _____
<input checked="" type="checkbox"/> b. Freeway Service Patrol	\$ _ 400,000 _____
<input type="checkbox"/> c. Traffic Management Team	\$ _____
<input type="checkbox"/> d. New CCTVs and Detectors	\$ _____
<input type="checkbox"/> e. Others _____	\$ _____

**TOTAL \$ \_ 710,000 \_\_\_\_\_**

4. Construction Strategies (In Addition to Elements Identified on Item B)

- a.. Off Peak/Night/Weekend Work (Lane Closure Charts) \$ \_\_\_\_\_
- b. Reversible Lanes \$ \_\_\_\_\_
- c. Total Facility Closure \$ \_\_\_\_\_
- d. Extended Weekend Closure \$ \_\_\_\_\_
- e. Truck Traffic Restrictions \$ \_\_\_\_\_
- f. Reduced Speed Zone \$ \_\_\_\_\_
- g. Connector and Ramp Closures \$ \_\_\_\_\_
- h. Incentive and Disincentive \$ \_\_\_\_\_
- i. Moveable Barrier \$ \_\_\_\_\_
- j. Others \_Traffic Control System\_\_\_\_\_ \$ 700,000\_\_\_\_\_

\*For K-Rail See PR Estimate      **TOTAL** \$ 700,000\_\_\_\_\_

5. Demand Management

- a. HOV Lanes/Ramps (New or Convert) \$ \_\_\_\_\_
- b. Park and Ride Lots \$ \_\_\_\_\_
- c. Rideshare Incentives \$ \_\_\_\_\_
- d. Variable Work Hours \$ \_\_\_\_\_
- e. Telecommute \$ \_\_\_\_\_
- f. Ramp Metering (New Installation) \$ \_\_\_\_\_
- g. Ramp Metering (Maintain Existing) \$ \_\_\_\_\_
- h. Others \_\_\_\_\_ \$ \_\_\_\_\_

**TOTAL** \$ \_\_\_\_\_

6. Alternate Route Strategies

- a. Add Capacity to Freeway Connector \$ \_\_\_\_\_
- b. Street Improvement (widening, traffic signal...etc) \$ \_\_\_\_\_
- c. Traffic Control Officers \$ \_\_\_\_\_
- d.. Parking Restrictions \$ \_\_\_\_\_
- e. Others \_\_\_\_\_ \$ \_\_\_\_\_

**TOTAL** \$ \_\_\_\_\_

7. Other Strategies

- a. Application of New Technology \$ \_\_\_\_\_
- b. Others \_\_\_\_\_ \$ \_\_\_\_\_

**TOTAL** \$

8. The Project includes the following: (Check applicable type of facility closures)

- a. Highway or Freeway Lanes
- b. Highway or Freeway Shoulders
- c. Full Freeway Closure
- d. Freeway On/Off-Ramps
- e. Freeway Connectors
- f. Local Streets

9. Major operations requiring traffic control and working days for each

<u>Operation</u>	<u># of working days</u>
<input checked="" type="checkbox"/> a. Clearing and Grubbing	<u>5</u>
<input type="checkbox"/> b. Existing Feature Removal	<u>          </u>
<input checked="" type="checkbox"/> c. Excavation of Embankments Construction	<u>15</u>
<input type="checkbox"/> d. Structural Section Construction	<u>          </u>
<input checked="" type="checkbox"/> e. Drainage Feature Construction	<u>10</u>
<input checked="" type="checkbox"/> f. Structures Construction	<u>85</u>
<input checked="" type="checkbox"/> g. MBGR/Barrier Construction	<u>18</u>
<input checked="" type="checkbox"/> h. Striping	<u>29</u>
<input checked="" type="checkbox"/> i. Electrical Component Construction	<u>30</u>
<input checked="" type="checkbox"/> j. Other: Place Temp K-tail, cold plane & overlay re-stripe, contrasting surface treatment at Travis	<u>20</u>
 Total days requiring Traffic Control	 <u>217</u>

TOTAL ESTIMATED COST OF TMP ELEMENTS = \$ 1,760,000

(Including \$700,000 for Traffic Control System)

Notes: Extensive TMP is required due to excessive delays expected.

PREPARED BY (Consultant) Admas Zewdie DATE 1/13/2015

APPROVAL RECOMMENDED BY  
(TMP Reviewer) \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED BY (TMP Office) Oklah Alhayek DATE 1/14/2015