

**REQUEST FOR PROPOSAL – US6 BRIDGES DESIGN BUILD PROJECT**

**BR 0061-083, SUB ACCOUNT 18838 (CN)**

**BOOK 2 – TECHNICAL REQUIREMENTS**

**SECTION 16 – MAINTENANCE OF TRAFFIC**

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1. Summary of the variance request
2. Justification for the variance request, including a list of the criteria that cannot be met and the reasons for not being able to meet the criteria
3. Public notification methods and schedule
4. List of affected emergency services and the schedule for notification
5. List of affected agencies or private owners and the method(s) and schedule for notification
6. Description of additional public information surveys to be performed, if required
7. List of any potential safety hazards to which the public may be exposed
8. Proposed revisions to the Accepted TCP or current MHT
9. Proposed duration of closure, detour, or phasing change for which a variance is requested

The Contractor shall allow CDOT a minimum of 14 Days for review and Approval of any MOT variance requests. The Contractor shall obtain Local Agency approval for detours utilizing non-State owned facilities. If Local Agency approvals are necessary, they shall be obtained prior to submittal of the MOT to CDOT.

**16.1.1.8 Contractor Response Time**

The Contractor shall have at least one employee on call, via cellular phone, that can respond to an incident within 30 minutes. Upon arrival at the incident site, that employee shall assess the situation and immediately notify the appropriate personnel to implement the IMP. Upon notification of the incident, the Contractor shall immediately undertake actions necessary to restore traffic operations to the maximum extent practicable.

**16.1.1.9 Special Events**

The Contractor shall coordinate with CDOT, ~~CCD and all other the~~ local agencies, ~~along with~~ the Public Information Officer as specified in Book 2 Section 4 to develop a list and schedule of special events. The Contractor shall update the list as events are identified or scheduled. The special event calendar shall be a standing agenda item at the Maintenance of Traffic Task Force meetings.

The Contractor shall identify and implement necessary changes in Work progress to accommodate traffic to and from special events. No lane closures shall be permitted on the day of the event unless Approved by CDOT. Work outside the travel lanes, ramps and shoulders will be permitted during special events.

**16.1.1.10 RTD Transit System**

The Contractor shall coordinate with RTD to minimize any impacts to the RTD Transit System including bus routes, station access, bus stop locations, and other RTD services.

## 16.2.4 Design Speed and Posted Speed

Minimum design and posted speeds for Work zones shall conform to Table 16.2.

| Table 16.2<br>DESIGN AND POSTED SPEEDS FOR WORK ZONES   |                    |                    |
|---|--------------------|--------------------|
| Location  | Design Speed (mph) | Posted Speed (mph) |
| US 6 Mainline east of I25 (Match Existing posted speed) | 55                 | 45                 |
| US 6 Mainline west of I25 (Match Existing posted speed) | 65                 | 55                 |
| Ramps and collector-distributor roads                   | 25                 | 25                 |
| I-25  | 55                 | 55                 |
| Federal Boulevard*                                      | 35                 | 35                 |
| Local Streets*  | 25                 | 25                 |

\* The Contractor shall provide existing design and posted speed whenever it can be reasonably maintained on the local system.

## 16.2.5 Minimum Lane Requirements

### 16.2.5.1 Lane Restrictions

Before any travel lanes or shoulders are closed, the Contractor shall submit an appropriate MHT or TCP to CDOT for Acceptance. The MHT/TCP shall be developed in accordance with CDOT Regions 6 Lane Closure Strategies and Local Agency guidelines.

Lane restrictions must be submitted to CDOT by the Contractor by Thursday 10:30 a.m. of the week in advance of the work (for work Sunday through Saturday), unless required by construction emergencies or other reasonably unforeseen events.

#### 16.2.5.1.1 Lane Restrictions

Minimum lane widths for travel lanes on US 6 shall be 11 feet. Minimum outside shoulder widths on US 6 shall be 8 feet. Outside shoulder widths of less than 8 feet may be used, to a minimum shoulder width of 2 feet when emergency pullouts are provided. Inside shoulder widths shall be a minimum of 2 feet.

**During all non-working hours** The contractor shall maintain two through lanes at all times on eastbound and westbound US6 from the South Platte River to the east project limit.

**During all non-working hours** The contractor shall maintain three through lanes at all times on eastbound and westbound US6 from the west project limit to the South Platter River.

When travel on US 6 mainline is reduced to a single lane in one direction, the Contractor shall provide a minimum clear width of 16 feet to accommodate oversize vehicles.

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All lane closures on US6 shall be consistent with the Region Six Lane Closure Strategy.

Minimum lane widths for travel lanes on I25 shall be 11 feet. Minimum outside shoulder widths on I25 shall be 8 feet. Outside shoulder widths of less than 8 feet may be used, to a minimum shoulder width of 2 feet when emergency pullouts are provided. Inside shoulder widths shall be a minimum of 2 feet.

During all non-working hours the contractor shall maintain 4 through lanes of traffic on I25 in each direction. Acceleration, deceleration and ramp lanes shall not be considered as through lanes.

When travel on I25 mainline is reduced to a single lane in one direction, the Contractor shall provide a minimum clear width of 16 feet to accommodate oversize vehicles.

All lane closures on I25 shall be consistent with the Region Six Lane Closure Strategy.

#### 16.2.5.1.2 Ramps, Collector-distributor and Frontage Roads

Minimum lane widths for ramps, collector-distributor and frontage roads shall be 11 feet. Minimum shoulder width is 2 feet.

A minimum of one lane shall remain open on all eastbound collector-distributor roads.

A minimum of one lane in each direction shall remain open on all frontage roads.

~~Closure of the ramp from I25 northbound to US6 eastbound, and the ramp from I25 southbound to US6 eastbound shall not occur concurrently.~~

~~During non-closure periods of time one lane on of all ramps shall remain open at all times.~~

#### 16.2.5.1.3 Local Roads

The contractor shall maintain two through lanes of traffic on Federal Boulevard at all times.

Minimum lane widths for through lanes and turn lanes on Federal Boulevard shall be 10.5 feet with additional 1 foot inside and outside shoulders.

A Turn lane from north bound Federal Boulevard to US6 westbound shall be provided for at all times.

Any and all variances for Federal Boulevard lane closures and lane reductions shall be Approved by the City and County of Denver Traffic Engineering Services.

One lane in each direction shall remain open on all Local Streets at all times. Minimum lane widths shall be 11 feet with minimum shoulder widths of 2 feet. One lane in each direction shall remain open at all times.

## 16.4 Deliverables

The Contractor shall submit the following to CDOT (and CCD TES when applicable) for review, Approval, and/or Acceptance:

| Deliverable   | rReview, Acceptance, or Approval | Schedule  |
|---|----------------------------------|---|
| List of MOT Task Force members  | Acceptance                       | Within 30 Days following NTP1   |
| Traffic Management Plan (TMP)   | Acceptance                       | 30 Days prior to NTP2   |
| Requests to CDOT CTMC and Local Agencies for modifications to traffic signals, timing, and VMS messages | rReview                          | 14 Days prior to the requested date for modifications                       |
| Incident Management Plan (IMP)  | Acceptance                       | Within 30 Days after NTP2   |
| TDM Program   | Acceptance                       | Within 30 Days after NTP2   |
| MOT variance request  | Approval                         | 14 Days prior to the requested date for the change                          |
| Traffic Control Plan (TCP)  | Acceptance                       | At least 14 Days prior to implementation of the TCP                         |
| Method of Handling Traffic (MHT)  | Acceptance                       | At least 2 Days prior to implementation of the MHT requiring a lane closure |
| Temporary Signal Timing   | Approval                         | At least 14 days prior to implementation of timing                          |

All deliverables shall also conform to the requirements of Book 2, Section 3, Quality Management.