

B.C. MINISTRY OF TRANSPORTATION

SA04 – Local Area Specification #3

BRIDGE AND TUNNEL MONITORING SERVICES

1. OBJECTIVE

To detect traffic flow restrictions or obstructions; to control counterflow lane change signalization and timing; to coordinate traffic patrol or traffic control operations at the Bridge and tunnel; and to communicate with patrols, the Provincial Highways Condition Centre, police and the media.

2. GENERAL PERFORMANCE SPECIFICATIONS

2.1 Routine Maintenance Services

All services for this Local Area Specification are Routine.

The Contractor must perform Bridge and Tunnel Monitoring Services in accordance with this Local Area Specification at the following locations:

1. Lion's Gate Bridge control tower
2. Cassiar Tunnel control room

2.2 Quantified Maintenance Services

Not applicable to this Local Area Specification.

3. DETAILED PERFORMANCE SPECIFICATIONS

3.1 Routine Maintenance Services

The Contractor must:

- a) perform all aspects of Bridge/tunnel monitoring services in accordance with this Local Area Specification and in accordance with the Province's Counterflow Operations Manuals; (which are available by contacting the District office) as they may be amended from time to time;
- b) staff the two locations with qualified console operators;

- c) ensure that the qualified console operator at each location:
 - i. performs dispatching duties for patrols in the event of any detected traffic accident or obstruction to traffic flow, or during counterflow lane change operations at Lion's Gate Bridge and the Cassiar Connector centres;
 - ii. monitors traffic and completes report logs on a schedule as required by the Province, noting all incidents and their circumstances;
 - iii. communicates with the Provincial Highways Condition Centre and completes reports on a schedule as required by the Province;
 - iv. contacts police or other agencies as required in the event of a motor vehicle accident or suicide attempt;
 - v. assesses weather conditions, road surface conditions and traffic congestion in conjunction with operators of patrol vehicles to determine counterflow lane change requirements as required by the Province;
 - vi. operates the counterflow system when counterflow lane changing is required;
 - vii. responds to requests or inquiries from the media regarding traffic conditions at the structure as required by the Province; and
 - viii. performs specific tasks in the event of a power failure to correct traffic signalization interruption as required by the Province.

3.1.1 Performance Time Frames

The Contractor must:

- a) staff the two locations with qualified console operators 24 hours per day;
- b) immediately initiate communication with the patrols and the police upon detection or notification of a motor vehicle incident or police incident, and report to the Provincial Highways Condition Centre immediately after the patrols and police have been notified;

- c) initiate counterflow lane change operations at the Lion's Gate Bridge within 5 minutes of conditions warranting such operations and communicate with patrols and the Provincial Highways Condition Centre immediately;
- d) in the event of a power failure, immediately initiate corrective actions;
- e) immediately communicate incidents such as fires or unusual activity affecting traffic flow to the Provincial Highways Condition Centre;
- f) perform scheduled counterflow lane change operations and patrol dispatching in accordance with the Province's Counterflow Operations Manuals unless specific circumstances prohibit such action; and
- g) complete traffic monitoring report logs, and provide verbal and written reports to the Provincial Highways Condition Centre and reports to radio stations or other media agencies at frequencies as required by the Province.

3.2 Quantified Maintenance Services

Not applicable to this Local Area Specification.

3.3 Materials

Not applicable to this Local Area Specification.

4. WARRANTY

Not applicable to this Local Area Specification.