

PART D

SUPPLEMENTAL CONDITIONS

PART D - SUPPLEMENTAL CONDITIONS

GENERAL

D1. GENERAL CONDITIONS

- D1.1 In addition to the General Conditions for Construction Contracts, these Supplemental Conditions are applicable to the Work of the Contract.
- D1.2 The General Conditions are amended by striking out "The City of Winnipeg Act" wherever it appears in the General Conditions and substituting "The City of Winnipeg Charter".
- D1.3 The General Conditions are amended by striking out "Tender Package" wherever it appears in the General Conditions and substituting "Bid Opportunity".
- D1.4 The General Conditions are amended by striking out "Tender Submission" wherever it appears in the General Conditions and substituting "Bid Submission".
- D1.5 The General Conditions are amended by deleting GC:6.16 and G.C:6.17.
The City of Winnipeg is now within the jurisdiction of the Manitoba Ombudsman pursuant to The Ombudsman Act.

D2. SCOPE OF WORK

- D2.1 The Work to be done under the Contract shall consist of:
- (a) Major Rehabilitation of Grant Avenue from Shaftesbury Boulevard to Kenaston Boulevard
- D2.2 The major components of the Work are as follows:
- (a) Planing of any existing asphalt overlay;
 - (b) Removal of existing curbs;
 - (c) Construction of new concrete pavement structure (new turn lanes);
 - (d) Installation and adjustment of drainage inlets, manholes, and connection pipe;
 - (e) Full depth concrete repairs of existing slabs and joints;
 - (f) Adjustment of existing drainage inlets, water valves, and manholes;
 - (g) Renewal of existing sidewalk;
 - (h) Construction of splash strip utilizing slip-form paving equipment;
 - (i) Complete renewal of curbs at all intersections and side streets;
 - (j) Renewal of existing miscellaneous concrete slabs, including median slabs;
 - (k) Boulevard grading and sodding;
 - (l) Joint and crack maintenance;
 - (m) Placement of asphalt overlay (average thickness – 90 mm).

D3. CONTRACT ADMINISTRATOR

D3.1 The Contract Administrator is Dillon Consulting Limited, represented by:

David Wiebe, P.Eng.
Project Manager
Suite 200 – 895 Waverley Street
Winnipeg, Manitoba R3T 5P4
Telephone No. (204) 453-2301
Facsimile No. (204) 452-4412

D3.2 At the pre-construction meeting, David Wiebe, P.Eng. will identify additional personnel representing the Contract Administrator and their respective roles and responsibilities for the Work.

D4. CONTRACTOR'S SUPERVISOR

D4.1 At the pre-construction meeting, the Contractor shall identify his designated supervisor and any additional personnel representing the Contractor and their respective roles and responsibilities for the Work.

D4.2 At least two (2) business days prior to the commencement of any Work on the Site, the Contractor shall provide the Contract Administrator with a phone number where the supervisor identified in D4.1 or an alternate can be contacted 24 hours a day to respond to an emergency.

D5. NOTICES

D5.1 Except as provided for in GC:23.2.2, all notices, requests, nominations, proposals, consents, approvals, statements, authorizations, documents or other communications to the Contractor shall be sent to the address or facsimile number identified by the Contractor in Paragraph 2 of Form A: Bid.

D5.2 All notices, requests, nominations, proposals, consents, approvals, statements, authorizations, documents or other communications to the City, except as expressly otherwise required in D5.3, D5.4 or elsewhere in the Contract, shall be sent to the attention of the Contract Administrator at the address or facsimile number identified in D3.1.

D5.3 All notices of appeal to the Chief Administrative Officer shall be sent to the attention of the Chief Financial Officer at the following address or facsimile number:

The City of Winnipeg
Chief Administrative Officer Secretariat
Administration Building, 3rd Floor
510 Main Street
Winnipeg MB R3B 1B9
Facsimile No.: (204) 949-1174

D5.4 All notices, requests, nominations, proposals, consents, approvals, statements, authorizations, documents or other communications required to be submitted or returned to the City Solicitor shall be sent to the following address or facsimile number:

The City of Winnipeg
Corporate Services Department
Legal Services Division
185 King Street, 3rd Floor
Winnipeg MB R3B 1J1
Facsimile No.: (204) 947-9155

D6. FURNISHING OF DOCUMENTS

- D6.1 Upon award of the Contract, the Contractor will be provided with five (5) complete sets of the Bid Opportunity. If the Contractor requires additional sets of the Bid Opportunity, they will be supplied to him at cost.

SUBMISSIONS

D7. PERFORMANCE SECURITY

- D7.1 The Contractor shall provide and maintain performance security until the expiration of the warranty period in the form of:
- (a) a performance bond of a company registered to conduct the business of a surety in Manitoba, in the form attached to these Supplemental Conditions (Form H1: Performance Bond), in the amount of fifty percent (50%) of the Contract Price; or
 - (b) an irrevocable standby letter of credit issued by a bank or other financial institution registered to conduct business in Manitoba and drawn on a branch located in Manitoba, in the form attached to these Supplemental Conditions (Form H2: Irrevocable Standby Letter of Credit), in the amount of fifty percent (50%) of the Contract Price; or
 - (c) a certified cheque or draft payable to "The City of Winnipeg", drawn on a bank or other financial institution registered to conduct business in Manitoba, in the amount of fifty percent (50%) of the Contract Price.
- D7.2 If the bid security provided in his Bid Submission was not a certified cheque or draft pursuant to B10.1(c), the Contractor shall provide the City Solicitor with the required performance security within seven (7) Calendar Days of notification of the award of the Contract by way of letter of intent and prior to the commencement of any Work on the Site and in no event later than the date specified in the GC:4.1 for the return of the executed Contract.

D8. INSURANCE

- D8.1 The Contractor shall provide and maintain the following insurance coverage:
- (a) commercial general liability insurance, in the amount of at least two million dollars (\$2,000,000.00) all inclusive, with The City of Winnipeg being named as an additional insured, with a cross-liability clause, such liability policy to also contain a contractual liability, an unlicensed motor vehicle liability and a completed operations endorsement to remain in place at all times during the performance of the Work and throughout the warranty period;
 - (b) automobile liability insurance for owned and non-owned automobiles used for or in connection with the Work in the amount of at least two million dollars (\$2,000,000.00) at all times during the performance of the Work and until the date of Total Performance;
- D8.2 Deductibles shall be borne by the Contractor.
- D8.3 The Contractor shall provide the City Solicitor with a certified true copy or a certificate of insurance of each policy, in a form satisfactory to the City Solicitor, at least two (2) Business Days prior to the commencement of any Work on the Site but in no event later than the date specified in the GC:4.1 for the return of the executed Contract.
- D8.4 The Contractor shall not cancel, materially alter, or cause each policy to lapse without providing at least fifteen (15) Calendar Days prior written notice to the Contract Administrator.

D9. SUBCONTRACTOR LIST

D9.1 The Contractor shall provide the Contract Administrator with a complete list of the Subcontractors whom the Contractor proposes to engage (Form J: Subcontractor List) at or prior to a pre-construction meeting, or at least two (2) Business Days prior to the commencement of any Work on the Site but in no event later than the date specified in the GC:4.1 for the return of the executed Contract.

D10. EQUIPMENT LIST

D10.1 The Contractor shall provide the Contract Administrator with a complete list of the equipment which the Contractor proposes to utilize (Form K: Equipment List) at or prior to a pre-construction meeting, or at least two (2) Business Days prior to the commencement of any Work on the Site but in no event later than the date specified in the GC:4.1 for the return of the executed Contract.

D11. DETAILED WORK SCHEDULE

D11.1 The Contractor shall provide the Contract Administrator with a Detailed Work Schedule (Form L: Detailed Work Schedule) at least two (2) Business Days prior to the commencement of any Work on the Site but in no event later than the date specified in the General Conditions for the return of the executed Contract.

SCHEDULE OF WORK

D12. COMMENCEMENT

D12.1 The Contractor shall not commence any Work until he is in receipt of a letter of intent from the Award Authority authorizing the commencement of the Work.

D12.2 The Contractor shall not commence any Work on the Site until:

- (a) the Contract Administrator has confirmed receipt and approval of:
 - (i) evidence that the Contractor is in good standing under The Corporations Act (Manitoba), or properly registered under The Business Names Registration Act (Manitoba), or otherwise properly registered, licensed or permitted by law to carry on business in Manitoba;
 - (ii) evidence of the workers compensation coverage specified in GC:6.14;
 - (iii) the performance security specified in D7;
 - (iv) evidence of the insurance specified in D8;
 - (v) the subcontractor list specified in D9;
 - (vi) the equipment list specified in D10;
 - (vii) the Detailed Work Schedule specified in D11; and
 - (viii) the twenty-four (24) hour emergency response phone number specified in D4.2.
- (b) the Contractor has attended a pre-construction meeting with the Contract Administrator, or the Contract Administrator has waived the requirement for a pre-construction meeting.

D12.3 The Contractor shall not commence the Work on the Site before May 10, 2004, and shall commence the Work on Site no later than May 21, 2004, as directed by the Contract Administrator and weather permitting.

D12.4 The City intends to award this project by May 7, 2004.

D13. WORKING DAYS

D13.1 Further to GC:1.1(gg);

D13.1.1 The Contract Administrator will determine daily if a Working Day has elapsed and will record his assessment. On a weekly basis the Contract Administrator will provide the Contractor with a record of the Working Days assessed for the preceding week. The Contractor shall sign each report signifying that he agrees with the Contract Administrator's determination of the Working Days assessed for the report period.

D13.1.2 Work done to restore the Site to a condition suitable for Work, shall not be considered "Work" as defined in the definition of a Working Day.

D14. RESTRICTED WORK HOURS

D14.1 Further to clause 3.10 of CW 1130, the Contractor shall require written permission 48 hours in advance from the Contract Administrator for any work to be performed between 2000 hours and 0700 hours, or on Saturdays, Sundays, Statutory Holidays and or Civic Holidays.

D15. WORK BY OTHERS

D15.1 Work by others on or near the Site will include but not necessarily be limited to:

- (a) City of Winnipeg Traffic Signals – Underground traffic loops and signal pole replacement will be undertaken at the Grant/Park Avenue East intersection throughout the duration of the project due to the construction of the new turn lanes. Pavement rehabilitation and boulevard restoration at this location must be co-ordinated with Traffic Signals so that their appurtenances can be installed.
- (b) City of Winnipeg Traffic Signals – Preformed and sawcut traffic loops will need to be replaced near the Grant/Shaftesbury intersection and Grant/Kenaston intersection due to full depth concrete repairs. Preformed loop leads must be protected during pavement rehabilitation until they can be run to their final location. Pavement rehabilitation at these locations must be co-ordinated with Traffic Signals so that the traffic loops can be installed.
- (c) City of Winnipeg Traffic Signals – Pedestrian crosswalk pole replacement will be undertaken at the Grant/Laidlaw intersection. Pavement rehabilitation and boulevard restoration at this location must be co-ordinated with Traffic Signals so that their appurtenances can be installed.
- (d) MTS – Miscellaneous adjustments to manholes or other appurtenances may be required. These adjustments should be co-ordinated with the adjustment of drainage inlets and manholes.
- (e) Manitoba Hydro – Miscellaneous adjustments to manholes or other appurtenances may be required. These adjustments should be co-ordinated with the adjustment of drainage inlets and manholes.
- (f) City of Winnipeg Forestry Branch – Tree removal and/or relocation is required in the Grant Avenue median east of Shaftesbury Boulevard where the turn lane is to be extended. The trees should be relocated/removed prior to construction. Work cannot proceed on turn lane construction until Forestry Branch has completed their work.

D16. SEQUENCE OF WORK

D16.1 Further to GC 6.1 and the Traffic Management listed in E5, the sequence of Work shall be as follows:

D16.1.1 Construction will be by the lane-at-a-time method.

- D16.1.2 The Work shall be divided into three Stages. Each Stage is further subdivided into major items of work.
- D16.1.3 In both Stage I and Stage II, a maximum of 600 metres of each lane being rehabilitated in each direction can be closed to traffic at any one time for joint, slab, curb, and sidewalk repairs. This ensures that long areas of the lane are not closed to traffic when no work is being performed in those areas. These are referred to as sub-stages in Form L: Detailed Work Schedule.
- D16.1.4 The Contract Administrator may increase the maximum length of the lane closures depending on the number of concrete crews working on the project at any one time.
- D16.1.5 It should be noted that more than one concrete crew may be required at any one time to complete the project works within the allotted number of Working Days.
- D16.1.6 **Stage I** – Median Lanes Rehabilitation
- (a) Planing of any existing asphalt overlay in project area excluding Shaftesbury Boulevard intersection and cross street tie-ins;
 - (b) Removal of existing median lane curbs and bullnoses;
 - (c) Construction of new left turn lanes at Shaftesbury and Park Boulevard East intersections;
 - (d) Installation of catchbasins, catchpits, and connection pipe;
 - (e) Full depth concrete repairs of existing slabs and joints;
 - (f) Adjustment of existing drainage inlets, water valves, and manholes;
 - (g) Construction of splash strip utilizing slip-form paving equipment;
 - (h) Renewal of curbs, bullnoses, and monolithic median slabs;
 - (i) Boulevard grading and sodding;
 - (j) Joint and crack maintenance.
- D16.1.7 **Stage II** – Gutter Lanes Rehabilitation
- (a) Removal of existing gutter lane curbs monolithic curb and sidewalks;
 - (b) Installation of catchbasins, catchpits, and connection pipe;
 - (c) Full depth concrete repairs of existing slabs and joints;
 - (d) Adjustment of existing drainage inlets, water valves, and manholes;
 - (e) Renewal of existing sidewalk and monolithic curb and sidewalks;
 - (f) Construction of splash strip utilizing slip-form paving equipment;
 - (g) Renewal of curbs and bullnoses;
 - (h) Boulevard grading and sodding;
 - (i) Joint and crack maintenance;
 - (j) Planing of Shaftesbury intersection, cross street tie-ins and any remaining locations.
- D16.1.8 **Stage III** – Asphalt Works
- (a) Placement of asphalt scratch course;
 - (b) Placement of moisture barrier/stress absorption geotextile fabric as shown on construction drawings;
 - (c) Placement of final lift of asphalt overlay utilizing automatic grade control for all mainlines;

- (d) Placement of asphalt overlay in all median openings, cross streets, and private approaches;
- (e) Site cleanup and demobilization.

- D16.1.9 Finish grading, topsoil placement, and sodding of all boulevard and median areas shall be completed prior to commencing construction of the asphaltic concrete overlay in the adjacent lane, including the scratch course.
- D16.1.10 At the end of any day, there shall be no drop-off along any longitudinal joint, excepting the longitudinal joint between the gutter and approaches.
- D16.1.11 Immediately following the completion of the Stage III works, the Contractor shall clean up the Site and remove all plant, surplus material and waste and debris.

D17. SUBSTANTIAL PERFORMANCE

- D17.1 The Contractor shall achieve Substantial Performance within sixty five (65) consecutive Working Days of the commencement of the Work as specified in D12.
- D17.2 When the Contractor considers the Work to be substantially performed, the Contractor shall arrange, attend and assist in the inspection of the Work with the Contract Administrator for purposes of verifying Substantial Performance. Any defects or deficiencies in the Work noted during that inspection shall be remedied by the Contractor at the earliest possible instance and the Contract Administrator notified so that the Work can be re-inspected.
- D17.3 The date on which the Work has been certified by the Contract Administrator as being substantially performed to the requirements of the Contract through the issue of a certificate of Substantial Performance is the date on which Substantial Performance has been achieved.

D18. TOTAL PERFORMANCE

- D18.1 The Contractor shall achieve Total Performance within seventy (70) consecutive Working Days of the commencement of the Work as specified in D12.
- D18.2 When the Contractor or the Contract Administrator considers the Work to be totally performed, the Contractor shall arrange, attend and assist in the inspection of the Work with the Contract Administrator for purposes of verifying Total Performance. Any defects or deficiencies in the Work noted during that inspection shall be remedied by the Contractor at the earliest possible instance and the Contract Administrator notified so that the Work can be re-inspected.
- D18.3 The date on which the Work has been certified by the Contract Administrator as being totally performed to the requirements of the Contract through the issue of a certificate of Total Performance is the date on which Total Performance has been achieved.

D19. LIQUIDATED DAMAGES

- D19.1 If the Contractor fails to achieve Substantial Performance in accordance with the Contract by the day fixed herein for Total Performance, the Contractor shall pay the City one thousand, six hundred seventy dollars (\$1,750) per Working Day for each and every Working Day following the day fixed herein for Substantial Performance during which such failure continues.
- D19.2 The City may reduce any payment to the Contractor by the amount of any liquidated damages assessed.

D20. SCHEDULED MAINTENANCE

- D20.1 The Contractor shall perform the following scheduled maintenance in the manner and within the time periods required by the Specifications:
- (a) Reflective Crack Maintenance (during one year warranty period) as specified in CW 3250-R5;
 - (b) Sodding (maintenance period) as specified in CW 3510-R7.
- D20.2 Determination of Substantial Performance and Total Performance shall be exclusive of scheduled maintenance identified herein. All scheduled maintenance shall be completed prior to the expiration of the warranty period. Where the scheduled maintenance cannot be completed during the warranty period, the warranty period shall be extended for such period of time as it takes the Contractor to complete the scheduled maintenance.

CONTROL OF WORK

D21. JOB MEETINGS

- D21.1 Regular weekly job meetings will be held at the Site. These meetings shall be attended by a minimum of one representative of the Contract Administrator, one representative of the City and one representative of the Contractor. Each representative shall be a responsible person capable of expressing the position of the Contract Administrator, the City and the Contractor respectively on any matter discussed at the meeting including the Work schedule and the need to make any revisions to the Work schedule. The progress of the Work will be reviewed at each of these meetings.
- D21.2 The Contract Administrator reserves the right to cancel any job meeting or call additional job meetings whenever he deems it necessary.

D22. PRIME CONTRACTOR – THE WORKPLACE SAFETY AND HEALTH ACT (MANITOBA)

- D22.1 Further to GC:6.26, the Contractor shall be the Prime Contractor and shall serve as, and have the duties of the Prime Contractor in accordance with The Workplace Safety and Health Act (Manitoba).

WARRANTY

D23. WARRANTY

- D23.1 Notwithstanding GC:13.2, the warranty period shall begin on the date of Total Performance and shall expire one (1) year thereafter unless extended pursuant to GC:13.2.1 or GC:13.2.2, in which case it shall expire when provided for thereunder.
- D23.1 Notwithstanding GC:13.2 or D23.1, the Contract Administrator may permit the warranty period for a portion or portions of the Work to begin prior to the date of Total Performance if:
- (a) a portion of the Work cannot be completed because of unseasonable weather or other conditions reasonably beyond the control of the Contractor but that portion does not prevent the balance of the Work from being put to its intended use; or

In such case the date specified by the Contract Administrator for the warranty period to begin shall be substituted for the date specified in GC:13.2 for the warranty period to begin.

FORM H1: PERFORMANCE BOND
(See D7)

KNOW ALL MEN BY THESE PRESENTS THAT

_____ ,
(hereinafter called the "Principal"), and

_____ ,
(hereinafter called the "Surety"), are held and firmly bound unto **THE CITY OF WINNIPEG** (hereinafter
called the "Obligee"), in the sum of

_____ dollars (\$_____.)

of lawful money of Canada to be paid to the Obligee, or its successors or assigns, for the payment of which
sum the Principal and the Surety bind themselves, their heirs, executors, administrators, successors and
assigns, jointly and severally, firmly by these presents.

WHEREAS the Principal has entered into a written contract with the Obligee dated the

_____ day of _____, 20____, for:

BID OPPURTUNITY NO. 89-2004

GRANT AVENUE – SHAFTESBURY BOULEVARD TO KENASTON BOULEVARD – CONCRETE
REPAIRS AND ASPHALT OVERLAY

which is by reference made part hereof and is hereinafter referred to as the "Contract".

NOW THEREFORE the condition of the above obligation is such that if the Principal shall:

- (a) carry out and perform the Contract and every part thereof in the manner and within the times set forth in the Contract and in accordance with the terms and conditions specified in the Contract;
- (b) perform the Work in a good, proper, workmanlike manner;
- (c) make all the payments whether to the Obligee or to others as therein provided;
- (d) in every other respect comply with the conditions and perform the covenants contained in the Contract; and
- (e) indemnify and save harmless the Obligee against and from all loss, costs, damages, claims, and demands of every description as set forth in the Contract, and from all penalties, assessments, claims, actions for loss, damages or compensation whether arising under "The Workers Compensation Act", or any other Act or otherwise arising out of or in any way connected with the performance or non-performance of the Contract or any part thereof during the term of the Contract and the warranty period provided for therein;

THEN THIS OBLIGATION SHALL BE VOID, but otherwise shall remain in full force and effect. The Surety shall not, however, be liable for a greater sum than the sum specified above.

AND IT IS HEREBY DECLARED AND AGREED that the Surety shall be liable as Principal, and that nothing of any kind or matter whatsoever that will not discharge the Principal shall operate as a discharge or release of liability of the Surety, any law or usage relating to the liability of Sureties to the contrary notwithstanding.

IN WITNESS WHEREOF the Principal and Surety have signed and sealed this bond the

_____ day of _____, 20____.

SIGNED AND SEALED
in the presence of:

(Witness)

(Name of Principal)

Per: _____ (Seal)

Per: _____

(Name of Surety)

By: _____ (Seal)
(Attorney-in-Fact)

**FORM H2: IRREVOCABLE STANDBY LETTER OF CREDIT
(PERFORMANCE SECURITY)**
(See D7)

(Date)

The City of Winnipeg
Corporate Services Department
Legal Services Division
185 King Street, 3rd Floor
Winnipeg MB R3B 1J1

RE: PERFORMANCE SECURITY – 89-2004

GRANT AVENUE – SHAFTESBURY BOULEVARD TO KENASTON BOULEVARD – CONCRETE
REPAIRS AND ASPHALT OVERLAY

Pursuant to the request of and for the account of our customer,

(Name of Contractor)

(Address of Contractor)

WE HEREBY ESTABLISH in your favour our irrevocable Standby Letter of Credit for a sum not exceeding
in the aggregate

_____ Canadian dollars.

This Standby Letter of Credit may be drawn on by you at any time and from time to time upon written demand for payment made upon us by you. It is understood that we are obligated under this Standby Letter of Credit for the payment of monies only and we hereby agree that we shall honour your demand for payment without inquiring whether you have a right as between yourself and our customer to make such demand and without recognizing any claim of our customer or objection by the customer to payment by us.

The amount of this Standby Letter of Credit may be reduced from time to time only by amounts drawn upon it by you or by formal notice in writing given to us by you if you desire such reduction or are willing that it be made.

Partial drawings are permitted.

We engage with you that all demands for payment made within the terms and currency of this Standby Letter of Credit will be duly honoured if presented to us at:

(Address)

and we confirm and hereby undertake to ensure that all demands for payment will be duly honoured by us.

All demands for payment shall specifically state that they are drawn under this Standby Letter of Credit.

Subject to the condition hereinafter set forth, this Standby Letter of Credit will expire on

(Date)

It is a condition of this Standby Letter of Credit that it shall be deemed to be automatically extended from year to year without amendment from the present or any future expiry date, unless at least 30 days prior to the present or any future expiry date, we notify you in writing that we elect not to consider this Standby Letter of Credit to be renewable for any additional period.

This Standby Letter of Credit may not be revoked or amended without your prior written approval.

This credit is subject to the Uniform Customs and Practice for Documentary Credit (1993 Revision), International Chamber of Commerce Publication Number 500.

(Name of bank or financial institution)

Per: _____
(Authorized Signing Officer)

Per: _____
(Authorized Signing Officer)

FORM K: EQUIPMENT
(See D10)

**GRANT AVENUE – SHAFTESBURY BOULEVARD TO KENASTON BOULEVARD – CONCRETE
REPAIRS AND ASPHALT OVERLAY**

<p>1. Category/type: LDS Works</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p>
<p>2. Category/type: Earthmoving/Excavation</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p>
<p>3. Category/type: Compaction</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p>

FORM K: EQUIPMENT
(See D10)

GRANT AVENUE – SHAFTESBURY BOULEVARD TO KENASTON BOULEVARD – CONCRETE
REPAIRS AND ASPHALT OVERLAY

<p>4. Category/type: Concrete Restoration and Concrete Paving</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p>
<p>5. Category/type: Asphalt Paving</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p>
<p>6. Category/type: Miscellaneous</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p> <p>Make/Model/Year: _____ Serial No.: _____</p> <p>Registered owner: _____</p>

FORM L: DETAILED WORK SCHEDULE

(See D11)

GRANT AVENUE – SHAFTESBURY BOULEVARD TO KENASTON BOULEVARD – CONCRETE REPAIRS AND ASPHALT OVERLAY

For each item of Work, indicate the cumulative percentage proposed to be completed by the end of each time period until 100% completion is achieved.							
Items of Work	Time Period in Working Days						
	10	20	30	40	50	60	70
STAGE 1 – MEDIAN LANES REHABILITATION							
Planing of any existing asphalt overlay in project area							
Removal of existing median lane curbs and bullnoses							
Construction of new left turn lanes							
Installation of catchbasins, catchpits, and piping							
Full depth concrete repairs of existing slabs and joints							
Adjustment of existing pavement appurtenances							
Construction of splash strips, curbs, and bullnoses							
Boulevard grading and sodding							
Joint and crack maintenance							
STAGE II – GUTTER LANES REHABILITATION							
Removal of existing gutter lane curbs and sidewalks							
Installation of catchbasins, catchpits, and piping							
Full depth concrete repairs of existing slabs and joints							
Adjustment of existing pavement appurtenances							
Renewal of existing sidewalks							
Construction of splash strips, curbs, and bullnoses							
Boulevard grading and sodding							
Joint and crack maintenance							
Planing of Shaftsbury intersection and tie-ins							
STAGE III – ASPHALT WORKS							
Placement of asphalt scratch course							
Placement of pavement geotextile fabric							
Placement of final lift of asphalt overlay for mainlines							
Placement of final lift of asphalt overlay for tie-ins							
Site cleanup and demobilization							
Schedule is based on _____ concrete crews. Schedule is based on _____ sub-stages.							