

APPENDIX C – PROJECT LOCATIONS AND TECHNICAL SCOPING - REVISION 3

See Tables below.

Notes:

The "Additional Information" provided within the following tables relative to specific Project Packages and/or Project Locations contain specific information or issues, known to exist on Site at the time of issuance of this Request for Proposal. This information is not meant to be exhaustive and not meant to take the place of investigations and due diligence required of the Proponent.

The specific utility and agency coordination identified below notwithstanding, the successful Consultant(s) will be required to investigate and coordinate any utility requirements of the Project.

Construction adjacent schools will be avoided during the school year where possible, and otherwise coordinated with the respective school division

Project locations with railway crossings within or adjacent to their limits must have work coordinated with the respective rail authority.

2017 Canada Summer Games - Locations below marked "CSG" are located within a boundary designated as affected by **2017 Canada Summer Games** activities. As the scope of each project as well as the activities and schedule for each CSG location vary, the effects on each location will have to be determined on a project-by-project basis during the project planning phase. **FOR BIDDING PURPOSES**, assume completion of the work as per D14.

Regional Streets - McGillivray / Kenaston						
File No.	Package No.	Location	Treatment	Notes	Construction Estimate	Project Budget
17-C-03	1065-2016.1	McGillivray Bv W/B - Fennell St/Waverley St	Sandwich Rehabilitation	2 3 7 CSG	\$1,300,000.00	\$2,000,000.00
17-C-03	1065-2016.1	McGillivray Bv W/B - Pembina Hw/Fennell St	Sandwich Rehabilitation	3 8 10 14 CSG	\$1,300,000.00	\$2,000,000.00
17-C-03	1065-2016.1	Kenaston Bv S/B - McGillivray Bv/Bishop Grandin Bv	Pavement Widening	9 11 12 13 CSG	\$1,430,000.00	\$2,200,000.00
Regional Streets - McGillivray / Kenaston					Total Project Package Budget	\$6,200,000
					Assumed Working Days	75
Additional Information:						
General * Assume 75 Working Days to Substantial Performance for this package, 35 days of which will be in 2018						
2 Feedermain at Waverley St; Feedermain and aqueduct crossing east of Irene St						
3 Paved shoulders required						
7 Coordination with Water & Waste required for watermain renewal along Waverley St						
8 Coordinate works with South West Bus Rapid Transit project; specifically, complete all works at SWBRT crossing of McGillivray Bv, 200m east of Fennell St, prior to September 1, 2016						
9 Coordination with Manitoba Hydro required for street lighting adjustments/upgrades						
10 Railway crossing renewal not included - coordinate adjacent road work with rail authority						
11 Widen southbound Kenaston Bv by 3.7 m from 150m south of McGillivray to the current north limit of the three-laned section						
12 Geometric improvements required at Scurfield Bv; coordination with Traffic Signals required for the intersections of Scurfield Bv and Kleysen Dr						
13 Refer to T-Drawing, T-3414						
14 Construction of this segment will occur in 2018						

Regional Streets - Salter St						
File No.	Package No.	Location	Treatment	Notes	Construction Estimate	Project Budget
17-C-04	1065-2016.2	Salter St - Inkster Bv/Cathedral Av	Reconstruction	1 2 3 4 5 6	\$2,535,000.00	\$3,900,000.00
Regional Streets - Salter St					Total Project Package Budget	\$3,900,000
					Assumed Working Days	70
Additional Information:						
General * Assume 70 Working Days to Substantial Performance for this package						
1 Consultant to provide a pavement design brief						
2 Feedermain at Inkster Bv						
3 Insulation of some water services required - details to be provided						
4 Boulevards to be hard-surfaced						
5 Coordination with Water & Waste required for watermain renewals along Luxton Av, Atlantic Av, and Bannerman Av						
6 Coordination with Manitoba Hydro required for street lighting upgrades						

Regional Streets - Ellice Av						
File No.	Package No.	Location	Treatment	Notes	Construction Estimate	Project Budget
17-C-05	1065-2016.3	Ellice Av - Dominion St/Arlington St	Reconstruction	1 2 3 4 5 7	\$4,095,000.00	\$6,300,000.00
17-C-05	1065-2016.3	Ellice Av - Erin St/Dominion St	Rehabilitation	3 4 6 7 8	\$1,495,000.00	\$2,300,000.00
Regional Streets - Ellice Av					Total Project Package Budget	\$8,600,000
					Assumed Working Days	80
Additional Information:						
General * Assume 80 Working Days to Substantial Performance for this package						
1 Consultant to provide a pavement design brief						
2 Feedermain at Ingersoll St						
3 Coordination with watermain renewal required						
4 Required consultation with West End BIZ						
5 Insulation of some water services required - details to be provided						
6 Railway crossing renewal; coordinate with rail authority						
7 Coordinate traffic management with AECOM Canada Ltd. regarding the rehabilitation (2016 contract) of St Matthews Av between Dominion St and Goulding St						
8 Consultant to conduct a safety audit at the intersections of Ellice Av at Erin St and Wall St during the preliminary design						

Regional Streets - Provencher, Mill & Fills, Intersection						
File No.	Package No.	Location	Treatment	Notes	Construction Estimate	Project Budget
17-C-06	1065-2016.4	Provencher Bv E/B - East limit of RRX/Archibald St	Rehabilitation	1 9	\$1,105,000.00	\$1,700,000.00
17-C-06	1065-2016.4	Lagimodiere Bv N/B - Dugald Rd/Regent Av W	Mill & Fill	CSG	\$455,000.00	\$700,000.00
17-C-06	1065-2016.4	Broadway - Portage Av/Sherbrook St	Mill & Fill	2 4 CSG	\$520,000.00	\$800,000.00
17-C-06	1065-2016.4	McPhillips St N/B - Redwood Av/College Av	Mill & Fill		\$130,000.00	\$200,000.00
17-C-06	1065-2016.4	McPhillips St S/B - Mountain Av/Redwood Av	Mill & Fill		\$195,000.00	\$300,000.00
17-C-06	1065-2016.4	Ness Av E/B - Moray St/Braintree St	Mill & Fill	3	\$130,000.00	\$200,000.00
17-C-06	1065-2016.4	Lagimodiere Bv/Sage Creek Bv	Intersection Improvement	5 6 7 8	\$325,000.00	\$500,000.00
Regional Streets - Provencher, Mill & Fills, Intersection					Total Project Package Budget	\$4,400,000
					Assumed Working Days	60
Additional Information:						
General * Assume 60 Working Days to Substantial Performance for this package						
1 Railway crossing renewal not included - coordinate adjacent road work with rail authority						
2 Planned sewer lining in 2017 - coordination with Water & Waste Department required						
3 Adjacent to feedermain at Moray Av						
4 Required consultation with West Broadway BIZ						
5 Adjacent to feedermain on the west side of Lagimodiere Bv						
6 Provision of southbound double-left turn lanes; associated geometric improvements and Traffic Signals coordination required						
7 Overhead sign structure and crash attenuation required						
8 Refer to T-Drawing, T-3405						
9 Limits include the roadway crossing the buried arch culvert; The city will provide reference drawings for the structure and the sidewalk to the successful proponent; the sidewalk crossing the structure is 150mm reinforced concrete-on-grade						

Local Streets Package - 17-R-02						
File No.	Package No.	Location	Treatment	Notes	Construction Estimate	Project Budget
17-R-02	1065-2016.5	Amelia Cr - Tu-Pelo Av/McCreedy Rd	Rehabilitation	1	\$566,092.80	\$870,912.00
17-R-02	1065-2016.5	Chornick Dr - McIvor/Gilmore Av	Rehabilitation		\$404,352.00	\$622,080.00
17-R-02	1065-2016.5	Chrislind St - Ravelston Av W/Regent Av W	PCC Reconstruction	2 4 5 CSG	\$876,512.00	\$1,348,480.00
17-R-02	1065-2016.5	Kernaghan Av - Plessis Rd/Robson St	AC Reconstruction	4 CSG	\$320,112.00	\$492,480.00
17-R-02	1065-2016.5	McCreedy Rd - Amelia Cr (N Leg)/Tu-Pelo Av	Rehabilitation		\$254,404.80	\$391,392.00
17-R-02	1065-2016.5	Moncton Av - Grey St/Gateway Rd	Rehabilitation	3	\$259,459.20	\$399,168.00
17-R-02	1065-2016.5	Pincrest By - Donwood Dr/Donwood Dr	AC Reconstruction	6	\$446,472.00	\$686,880.00
					Total Project Package Budget	\$4,811,392
					Assumed Working Days	75

Additional Information:

General * **Assume 75 Working Days to Substantial Performance for this package**

- Radius improvements required - review pavement geometry
- Project to include the construction of new sidewalk on both sides of the roadway
- Coordination with watermain renewal required
- Insulation of some water services required - details to be provided
- Feedermain on Ravelston Av W
- This location will have street lighting work (including the installation of bases and wiring and the replacement of lamp standards) completed under the roadworks construction contract. Co-ordination with Manitoba Hydro will be required. Lighting design will be completed by Manitoba Hydro and inspection will be provided by Manitoba Hydro after each phase of work. Layout will be performed by the successful Proponent. Quantities to be included in the Bid Opportunity and typical Manitoba Hydro specifications for all works to be included will be supplied to the successful Proponent. Work will be required to insert documents into the construction Bid Opportunity.

Local Streets Package - 17-R-03						
File No.	Package No.	Location	Treatment	Notes	Construction Estimate	Project Budget
17-R-03	1065-2016.6	Crystal Av - St Anne's Rd/St Thomas Rd	Rehabilitation	1	\$266,198.40	\$409,536.00
17-R-03	1065-2016.6	Drake Bv - Elizabeth Rd/Autumnwood Dr	Rehabilitation	6	\$558,230.40	\$858,816.00
17-R-03	1065-2016.6	Lakewood Bv N/B & S/B - Farmor Av/Weatherstone Pl (S Leg)	Rehabilitation	3 5	\$606,528.00	\$933,120.00
17-R-03	1065-2016.6	Rue Aulneau - Hamel Av/Dollard Bv	Rehabilitation		\$372,434.40	\$572,976.00
17-R-03	1065-2016.6	Rue Des Meurons - Vivian Av/Regal Av	Rehabilitation	2 7	\$1,265,846.40	\$1,947,456.00
17-R-03	1065-2016.6	Speers Rd - Cottonwood Rd/Crestwood Cr	Rehabilitation	4 8	\$403,509.60	\$620,784.00
					Total Project Package Budget	\$5,342,688
					Assumed Working Days	75

Additional Information:

General * **Assume 75 Working Days to Substantial Performance for this package**

- Insulation of some water services required - details to be provided
- Sewer lining on Harrowby Av in 2017 - coordination with Water & Waste Department required
- Feedermain at Farmor Av
- Feedermain on Speers Rd
- Pedestrian crossing improvements required at Farmor Av
- Intersection improvements required at Drake Bv and Elizabeth Rd and Drake Bv and Autumnwood Dr, in consultation with Public Works Transportation Division
- Coordinate pedestrian and cycling facilities resulting from current Des Meurons Study
- Investigate raised intersections at Monterey Rd and Crestwood Cr

Local Streets Package - 17-R-04						
File No.	Package No.	Location	Treatment	Notes	Construction Estimate	Project Budget
17-R-04	1065-2016.7	Bryce St - Roslyn Rd/River Av	Rehabilitation	1	\$113,724.00	\$174,960.00
17-R-04	1065-2016.7	Byng Pl - Riverside Dr/Pembina Hw	AC Reconstruction	2 4 CSG	\$55,165.00	\$854,100.00
17-R-04	1065-2016.7	Hector Av - Stafford St/Wilton St	PCC Reconstruction	2 3 4	\$967,824.00	\$1,488,960.00
17-R-04	1065-2016.7	Kingsway - Cambridge St/Oak St	Rehabilitation		\$560,476.80	\$862,272.00
17-R-04	1065-2016.7	Roslyn Rd - Osborne St/E End	Rehabilitation	1	\$416,215.80	\$640,332.00
17-R-04	1065-2016.7	Silverstone Av - Cornell Dr/King's Dr	Rehabilitation		\$888,638.40	\$1,367,136.00
					Total Project Package Budget	\$5,387,760
					Assumed Working Days	75

Additional Information:

General * **Assume 75 Working Days to Substantial Performance for this package**

- Painted sharrows to be included
- Insulation of some water services required - details to be provided
- Sewer lining on Hector Av, W of Stafford St in 2017 - coordination with Water & Waste Department required
- This location will have street lighting work (including the installation of bases and wiring and the replacement of lamp standards) completed under the roadworks construction contract. Co-ordination with Manitoba Hydro will be required. Lighting design will be completed by Manitoba Hydro and inspection will be provided by Manitoba Hydro after each phase of work. Layout will be performed by the successful Proponent. Quantities to be included in the Bid Opportunity and typical Manitoba Hydro specifications for all works to be included will be supplied to the successful Proponent. Work will be required to insert documents into the construction Bid Opportunity.

Local Streets Package - 17-R-05						
File No.	Package No.	Location	Treatment	Notes	Construction Estimate	Project Budget
17-R-05	1065-2016.8	Apple Ln - Quail Ridge Rd (E Leg)/Hamilton Av	Rehabilitation	2	\$439,732.80	\$676,512.00
17-R-05	1065-2016.8	Dale Bv - Rannock Av/#955 Dale Bv	Rehabilitation	7	\$386,275.50	\$594,270.00
17-R-05	1065-2016.8	Deer Lodge Pl - Portage Av/Portage Av	AC Reconstruction	3 4	\$738,732.80	\$1,136,512.00
17-R-05	1065-2016.8	Moorgate St - Bruce Av/Lodge Av	AC Reconstruction	4 6	\$449,280.00	\$691,200.00
17-R-05	1065-2016.8	Olive St - Lodge Av/Portage Av	AC Reconstruction	5 6	\$707,616.00	\$1,088,640.00
17-R-05	1065-2016.8	Savoy Cr - Scotswood Dr/N End	Rehabilitation		\$390,873.60	\$601,344.00
17-R-05	1065-2016.8	Stonebridge Cr - Dale Bv/Mosswood Pl	Rehabilitation		\$74,973.60	\$115,344.00
17-R-05	1065-2016.8	Westwood Dr N/B - Sansome Av/Byrd Av	Rehabilitation	1	\$492,804.00	\$758,160.00
17-R-05	1065-2016.8	Westwood Dr S/B - Byrd Av/Sansome Av	Rehabilitation	1	\$492,804.00	\$758,160.00
					Total Project Package Budget	\$6,420,142
					Assumed Working Days	60x2

Additional Information:

General * **Assume two construction contracts, with 60 Working Days to Substantial Performance for each contract, for this package**

- Painted sharrows to be included
- Project to include the construction of new sidewalk on the south side of the roadway
- Coordination with watermain renewal required
- Insulation of some water services required - details to be provided
- Sewer lining in alley off of Portage Av in 2017 - coordination with Water & Waste Department required
- This location will have street lighting work (including the installation of bases and wiring and the replacement of lamp standards) completed under the roadworks construction contract. Co-ordination with Manitoba Hydro will be required. Lighting design will be completed by Manitoba Hydro and inspection will be provided by Manitoba Hydro after each phase of work. Layout will be performed by the successful Proponent. Quantities to be included in the Bid Opportunity and typical Manitoba Hydro specifications for all works to be included will be supplied to the successful Proponent. Work will be required to insert documents into the construction Bid Opportunity.
- New sidewalk required along one side

Local Streets Package - 17-R-06						
File No.	Package No.	Location	Treatment	Notes	Construction Estimate	Project Budget
17-R-06	1065-2016.9	Aikins St - McAdam Av/Carruthers Av	AC Reconstruction	3	\$207,792.00	\$319,680.00
17-R-06	1065-2016.9	Aikins St - Mountain Av/Redwood Av	AC Reconstruction	3	\$387,504.00	\$596,160.00
17-R-06	1065-2016.9	Alsip Dr - Tallman St/Lucas Av	Rehabilitation	3	\$342,342.00	\$526,680.00
17-R-06	1065-2016.9	Hartford Av - McGregor St/CPR Winnipeg Beach	AC Reconstruction	4	\$504,036.00	\$775,440.00
17-R-06	1065-2016.9	Leamen Cr - Doubleday Dr/Pipeline Rd	AC Reconstruction	1 3 4	\$454,896.00	\$699,840.00
17-R-06	1065-2016.9	Powers St - Enniskillen Av/Smithfield Av	AC Reconstruction		\$315,900.00	\$486,000.00
17-R-06	1065-2016.9	Sasaki Cr - Sorokin St/Adsum Dr	Rehabilitation		\$219,866.40	\$338,256.00
17-R-06	1065-2016.9	Sinclair St - Selkirk Av/Jarvis Av	Rehabilitation	2	\$379,922.40	\$584,496.00
17-R-06	1065-2016.9	Sorokin St - Adsum Dr/Margate Rd	Rehabilitation		\$285,573.60	\$439,344.00
17-R-06	1065-2016.9	Tanoak Park Dr - Hillhouse Rd/Hillhouse Rd	Rehabilitation	4	\$381,607.20	\$587,088.00
Local Streets Package - 17-R-06					Total Project Package Budget	\$5,352,984
					Assumed Working Days	50x2
Additional Information:						
General * Assume two construction contracts, with 50 Working Days to Substantial Performance for each contract, for this package						
1 Radius improvements required - review pavement geometry						
2 Project to include the construction of new sidewalk on the east side of the roadway, from Jarvis to the bus stop						
3 Insulation of some water services required - details to be provided						
4 This location will have street lighting work (including the installation of bases and wiring and the replacement of lamp standards) completed under the roadworks construction contract. Co-ordination with Manitoba Hydro will be required. Lighting design will be completed by Manitoba Hydro and inspection will be provided by Manitoba Hydro after each phase of work. Layout will be performed by the successful Proponent. Quantities to be included in the Bid Opportunity and typical Manitoba Hydro specifications for all works to be included will be supplied to the successful Proponent. Work will be required to insert documents into the construction Bid Opportunity.						

Alley Renewal Package - 17-RL-01						
File No.	Package No.	Location	Treatment	Notes	Construction Estimate	Project Budget
17-RL-01	1065-2016.10	Waterloo St/Ash St Alley - Academy Rd/Kingsway	PCC Reconstruction		\$451,280.70	\$694,278.00
17-RL-01	1065-2016.10	Waverley St/Oxford St Alley - Academy Rd/Kingsway	PCC Reconstruction		\$451,280.70	\$694,278.00
17-RL-01	1065-2016.10	Arlington St/Alverstone St Alley - Notre Dame Av/Adele Av	PCC Reconstruction		\$385,979.10	\$593,814.00
17-RL-01	1065-2016.10	Chestnut St/Walnut St Alley - Westminster Av/Wolseley Av	PCC Reconstruction		\$268,203.00	\$412,620.00
17-RL-01	1065-2016.10	Dorchester Av/McMillan Av Alley - Lilac St/Arbutnot St	PCC Reconstruction		\$209,289.60	\$321,984.00
17-RL-01	1065-2016.10	Erin St/Clifton St Alley - Ellice Av/St Matthews Av	PCC Reconstruction		\$415,131.60	\$638,664.00
17-RL-01	1065-2016.10	Garfield St N/Sherburn St Alley - Notre Dame Av/Grundy Av	PCC Reconstruction		\$202,901.40	\$312,156.00
17-RL-01	1065-2016.10	Jefferson Av/Seven Oaks Av Alley - McGregor St/Powers St	PCC Reconstruction		\$509,535.00	\$783,900.00
17-RL-01	1065-2016.10	Lipton St/Banning St Alley - Yarwood Av/Notre Dame Av	PCC Reconstruction		\$426,792.60	\$656,604.00
17-RL-01	1065-2016.10	Ingersoll St/Lipton St Alley - Yarwood Av/Notre Dame Av	PCC Reconstruction		\$464,107.80	\$714,012.00
17-RL-01	1065-2016.10	Logan Av/Alexander Av Alley - Laura St/Patrick Av	PCC Reconstruction		\$150,426.90	\$231,426.00
17-RL-01	1065-2016.10	Renfrew By (E)/Renfrew By (W) Alley - Taylor Av/Renfrew By (S)	PCC Reconstruction		\$79,294.80	\$121,992.00
17-RL-01	1065-2016.10	Lewis St/Clarke St Alley - Stradbrook Av /River Av	PCC Reconstruction		\$103,428.00	\$159,120.00
17-RL-01	1065-2016.10	William Av/Elgin Av Alley - Gertie St/Ellen St	PCC Reconstruction		\$187,742.10	\$288,834.00
Alley Renewal Package - 17-RL-01					Total Project Package Budget	\$6,623,682
					Assumed Working Days	65x2
Additional Information:						
General * Assume two construction contracts, with 65 Working Days to Substantial Performance for each contract, for this package						

Local Improvements Package - 17-LI-01						
File No.	Package No.	Location	Treatment	Notes	Construction Estimate	Project Budget
17-LI-01	1065-2016.11	Calrossie Bv/Byng Pl Alley - Pembina Hw/Riverside Dr	Alley LI-AC Reconstruction	CSG	\$182,000.00	\$280,000.00
17-LI-01	1065-2016.11	Somerville Av/Somerset Av Alley - Point Rd/Riverside Dr	Alley LI-AC Reconstruction		\$151,450.00	\$233,000.00
17-LI-01	1065-2016.11	Havelock Av/Portland Av Alley - St Andrew Rd/St George Rd	Alley LI-AC Reconstruction		\$111,800.00	\$172,000.00
17-LI-01	1065-2016.11	Lawndale Av/Birchdale Av Alley - Highfield St/Coniston St	Alley LI-AC Reconstruction	1	\$128,700.00	\$198,000.00
17-LI-01	1065-2016.11	Monck Av/Ciaremont Av Alley - Kirkdale St/Highfield St	Alley LI-AC Reconstruction	1	\$141,700.00	\$218,000.00
17-LI-01	1065-2016.11	Rue Dumoulin/Provencher Bv Alley - Rue Langevin/Rue St Jean Baptiste	Alley LI-AC Reconstruction	1	\$130,000.00	\$200,000.00
17-LI-01	1065-2016.11	Ferndale Av/Lawndale Av Alley - Kirkdale St/Highfield St	Alley LI-AC Reconstruction	1 CSG	\$142,350.00	\$219,000.00
Local Improvements Package - 17-LI-01					Total Project Package Budget	\$1,520,000
					Assumed Working Days	65
Additional Information:						
General * Assume 65 Working Days to Substantial Performance for this package						
* All lanes identified above are to be constructed with a 125mm asphalt pavement surface. Drawings with exact limits and pavement widths will be provided to the successful proponent						
* There is no existing land drainage sewer in any of the lanes listed. It is anticipated that there will be land drainage sewer work required. Fees for land drainage sewer design and construction should be included. The proposed budget does not include the required land drainage sewer work.						
1 Locations have not been formally adopted by By-Law. By-Law must be in place prior to construction contract being advertised. See clause B21.9						