# **SCOPE OF WORK:**

#### A. Riverbank Stabilization (Fall 2016 – March 15, 2017)

- (i) Implement traffic and pedestrian control measures & mobilize.
- (ii) Construction of temporary access ramp(s) and working platform. (iii) Drilling of rockfill column shafts.
- (iv) Supply, placement and compaction of rockfill for rockfill columns.
- (v) Supply and placement of rip rap erosion protection. (vi) Removal of temporary access ramp(s) and reshaping of riverbank.
- (vii) Construction of limestone terrace below elevation 225.00.
- (viii) Installation of riverbank erosion control blanket. (ix) Removal of traffic and pedestrian control measures.

## B. Riverbank Grading and Trail Construction (Spring 2017 – July 2017)

- (i) Implement traffic and pedestrian control measures.
- (ii) Riverbank grading including demolition of existing wall.
- (iii) Construction of gravel riverbank trail including gabion wall alcoves. (iv) Construction of limestone terrace above elevation 225.00.
- (v) Site restoration, topsoil and plantings.

## C. Road and Sidewalk Works (June 19, 2017 - September 1, 2017)

- (i) Removal of existing asphalt pavement and curbs.
- (ii) Milling of existing asphalt pavement.
- (iii) Installation of catch basins, subdrains and sewer service pipe.
- (iv) Curb and gutter installation (100 mm curb height). (v) Installation of new street lighting (cables, bases and poles).
- (vi) Placement of geotextile fabric, subbase material, and base course for sidewalk.
- (vii) Implement pedestrian control measures.
- (viii) Widen existing roadway (excavation, subgrade compaction, geotextile fabric, subbase material and base course).
- (ix) Installation of catchpits and drainage connection pipe.
- (x) Curb and gutter installation (100 mm curb height).
- (xi) Placement of asphalt pavement (Type 1A, 100 mm thick (2 lifts)).
- (xii) Adjustment of existing manholes and appurtenances.
- (xiii) Placement of asphalt overlay (Type 1A, average thickness 50 mm (1 lift)).
- (xiv) Boulevard restoration (including private approaches and sidewalks) and landscaping.
- (xv) Placement of asphalt pavement for sidewalk (Type 1A, 75 mm thick (1 lift)). Note: Riverbank grading and trail construction must be complete prior to paving the asphalt sidewalk.
- (xvi) Removal of traffic and pedestrian control measures.

### TRAFFIC MANAGEMENT:

Time Frame	Traffic on Lyndale Drive	Pedestrian Access
Fall 2016 - March 15, 2017	Closed between Monck and Gauvin	2 m Pedestrian corridor maintained along existing north gutter
Spring 2017 - June 18, 2017	Closed between Monck and Gauvin (must re-open for Manitoba Marathon on June 18, 2017)	2 m Pedestrian corridor maintained along existing north gutter
June 19 - September 1, 2017	Closed between Monck and Gauvin (with short term closures of Monck and Gauvin)	2 m pedestrian corridor maintained along existing north gutter until new sidewalk base course is constructed  Pedestrians utilize new sidewalk (on base course) until end of construction.

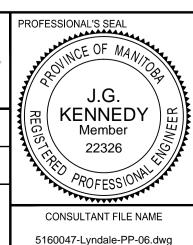
Note: If no Work is occurring for a significant period of time (ie. in the spring of 2017), the Contractor shall open Lyndale Drive to traffic and pedestrians as approved by the Contract Administrator.

> Certificate of Authorization MORRISON HERSHFIELD No. 1736

BID OPPORTUNITY No. 721-2016

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**PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION** LYNDALE DRIVE RIVERBANK STABILIZATION

AND ASSOCIATED WORKS **MONCK AVENUE TO GAUVIN STREET** 

**EXISTING CONDITIONS** 

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