

# DUNDAS ST RECONSTRUCTION PHASE 2

Presentation By:



## MANAGEMENT AND PROJECT TEAM

Gordon Barr Ltd. will be celebrating its 70th year in the industry in 2019 and has completed countless reconstruction projects over its lifetime. The management team and on site Project Team shall consist of the following key members and subcontractors:



# MANAGEMENT TEAM

## CORPORATE SUPPORT

### BRENT BARR – PRESIDENT, OWNER, FIELD OPERATIONS MANAGER

#### ▶ Profile

- ▶ Known for direct interaction in day-to-day operations and project flow and an ability to deliver on contractual obligations while nurturing strong working relationships
- ▶ Responsible for direct interaction in day-to-day operations and project flow with specific emphasis on equipment and manpower utilization and/maximization.

#### ▶ Experience & Skills

- ▶ With over 40 years of experience in the industry, there are very few situations Brent has not encountered, providing him with the ability to quickly and effectively produce solutions to on-site issues as well as the ability to identify and avoid potential issues before they arise. Brent possesses a unique ability to remain focused on the long-term goals allowing conflicts and disputes to be resolved quickly and with minimal impact on the project. Respected by his peers as a consummate professional and 'old-style' business person who always does what he says he will.
- ▶ During our peak season Brent is responsible for managing and distributing a work force of over 100 employees, as well as distributing over 70 pieces of heavy equipment.

# MANAGEMENT TEAM

## CORPORATE SUPPORT

### IAN DENNISON –PROJECT MANAGER/ESTIMATOR

#### ▶ Profile

- ▶ With 22 years of experience with Gordon Barr Ltd. , he is responsible for estimating and submitting our tender proposals as well as active project co-ordination after contract award.

#### ▶ Experience

- ▶ Gordon Barr Ltd, 1996 to present
- ▶ Project Coordinator and Estimator for large Private, ICI, Federal and Municipal infrastructure projects of up to 15 million dollars in value.
- ▶ These types of projects have included but are not limited to the following:
  - ▶ Complete street reconstruction for various municipalities, including all types of underground utilities
  - ▶ Various site work projects for buildings, including site clearing/grubbing, excavation/backfill, site services, utility relocations, shoring, fencing and demolition of existing structures
  - ▶ Pumping Stations

# MANAGEMENT TEAM CORPORATE SUPPORT JEFF BROWN – HEALTH & SAFETY COORDINATOR

## ▶ Profile

- ▶ 16 years of experience as HR manager and Safety coordinator for Gordon Barr Ltd. Completing courses to satisfy Construction Safety Officer designation through the IHSA and acts as Health and Safety Coordinator for Gordon Barr Ltd.

# MANAGEMENT TEAM

## FIELD OPERATIONS

### JASON DAVIS–SITE SUPERINTENDENT

- ▶ 17 years experience as a site supervisor for Gordon Barr Ltd.. Skilled time manager with a demonstrated ability to balance the needs of different sub-trades and stakeholders while expediting the project schedule. Is able to visualize the contract to completion during the tender process and can often propose non-typical work procedures to give a competitive edge in our work proposals.
- ▶ Experience & Skills
  - ▶ RONA Kingston
    - ▶ Site Superintendent responsible for all on-site operations and management of concrete, asphalt and electrical sub-trades. Key in drafting the accelerated work schedule that allowed completion of the contract within the required timelines.
  - ▶ Lowes Kingston
    - ▶ Site Supervisor responsible for all on-site operations and management of concrete, asphalt, and electrical sub-trades. Drafted the modified work schedule which allowed for the major completion of the two year project in one year.
  - ▶ K Rock Center Kingston
    - ▶ Site Supervisor responsible for all on-site operations and management of concrete, asphalt and electrical sub-trades. Key in drafting the accelerated work schedule that allowed for major completion of the contract in 1 year.
  - ▶ Walmart Kingston
    - ▶ Site Supervisor responsible for all on-site operations and management of concrete, asphalt and electrical sub-trades.
  - ▶ Numerous phases of subdivision construction throughout Kingston and the surrounding area

# MANAGEMENT TEAM

## FIELD OPERATIONS

### JORDAN BARR– PIPE SUPERVISOR

- ▶ 3 years of experience as Site Supervisor for Gordon Barr Ltd. Jordan began working as a laborer on a pipe crew 11 years ago, at the age of 16. Jordan has worked through out all aspects of the business during his summer holidays, until graduating from university 3 years ago and was made a full time site supervisor. Creative work-planner who is willing to try new strategies and listen to outside-the-box ideas that may improve performance. Able and willing to communicate with concerned stakeholders and ensure that any issues that arise are communicated and dealt with to the satisfaction and understanding of the stakeholders involved.
- ▶ Experience & Skills
  - ▶ University Street Reconstruction, Kingston
    - ▶ Full reconstruction of sanitary and storm sewers, and water main. Operated Excavator ahead of mainline, exposing and disconnecting existing water and sanitary services at property limits
  - ▶ MB-5511 Kingston Military Base communications building construction
    - ▶ Site Superintendent responsible for all on-site operations and management of concrete, asphalt and electrical sub-trades. Key in drafting the accelerated work schedule that allowed completion of the contract within the required time lines.
  - ▶ Multiple phases of subdivision work
    - ▶ New construction of water and sewer mains, including management of concrete, asphalt and electrical sub-trades in many subdivisions throughout Kingston and Belleville.
  - ▶ North Murray Street Reconstruction, Trenton
    - ▶ Full reconstruction of sanitary and storm sewers, water main, concrete sidewalk and asphalt.





- ▶ Electrical contractor , with offices throughout North America, which specializes in:
  - ▶ • Underground duct bank installation
  - ▶ • Direct burial cable installation
  - ▶ • Underground structure work
  - ▶ • Pole installations





# JM CONTRACTOR

681183 ONT. INC.

- ▶ Local concrete contractor which specializes in:
  - ▶ • Concrete walks
  - ▶ • Curbs
  - ▶ • Retaining walls
- ▶ J M Contractor is a family owned and operated business that has been providing quality concrete services since 1983.



- ▶ Local asphalt contractor which specializes in:
  - ▶ • Asphalt production and placement
  - ▶ • Aggregate production
  - ▶ • Road construction
- ▶ Fitzgibbon construction is located out of Belleville Ontario and has been providing quality service since 1945



## ▶ PROJECT EXECUTION OVERVIEW

- ▶ This phase of the “Diggin’ Downtown” will be broken up into 3 blocks;; Center to John, John to East, and East to Adelphi. Work in each block will be separated into stages. As construction progresses throughout each block, there will be many stages of construction underway at all times,

# BUSINESS SIGNAGE

- ▶ • All businesses within the construction limits will have a maximum of 2 (12" x 12") signs with their name on it. These signs will be placed at strategic locations to help customers find the desired business.
- ▶ • Large signs will be placed on the outskirts of the construction limits advising people that the affected businesses are still open.
- ▶ • Public relations staff will be available to help pedestrians navigate the walkways.



# STAGE 1 - PREPARATORY

- ▶ • Crews will mobilize to the site and set-up construction fencing and detour traffic around the site.
- ▶ • Service excavations will be dug at each building from the building face and out 2.5m. The new water services will be installed through the foundation wall and everything will be reinstated for pedestrian access
- ▶ • Temporary watermains will be set up, tested, and hooked up to each individual building
- ▶ • Temporary sanitary diversion will be set up to allow crews to manage the flows in the ditch.



# STAGE 2 – REPLACEMENT OF MUNICIPAL INFRASTRUCTURE IN ROADWAY

- ▶ • Large excavation equipment is mobilized to the site and work begins in the roadway.
- ▶ • Our equipment includes a hydraulic breaker attached to a large excavator as blasting is not permitted in this contract
- ▶ • Our work hours are from 7am-5:30/6pm Mon-Thurs and 7am-3:30/4pm of Fridays. Longer work hours or Saturday work will be considered if it becomes necessary to stay on schedule
- ▶ • The modular fencing will create a 1.8m wide walk alongside the buildings and access to businesses will remain uninterrupted.





# STAGE 3 – TESTING AND RECONNECTING TO MUNICIPAL LINES

- ▶ • Once a certain amount of watermain has been installed, approximately 1 block, that section will be pressure and bacteria tested to ensure it was installed correctly and that it is safe to reconnect
- ▶ • Once all the tests are passed the new section of pipe must be connected back to the municipal infrastructure system and each property disconnected from the temporary water line and reconnected to their permanent supply
- ▶ • This allows electrical infrastructure and surface restoration to begin.





# STAGE 4 – ELECTRICAL INFRASTRUCTURE AND CONCRETE RESTORATION

- ▶ • Electrical work will follow close behind the mainline construction.
- ▶ • Electrical crews will initially pour the new pole bases first and install the direct buried concrete poles. They will then proceed with the interconnecting duct installation.
- ▶ • After the pole bases have sufficiently cured, the traffic poles will be mounted to the bases and the light hardware will be installed.



# STAGE 4 – ELECTRICAL INFRASTRUCTURE AND CONCRETE RESTORATION

- ▶ • Ideally, concrete work follows after all of the water hook-ups and buried electric utility installations are completed.
- ▶ • Concrete pouring is EXTREMELY WEATHER DEPENDENT.
- ▶ • Curbs will follow shortly after electrical work and water main testing is complete
- ▶ • After curb is in a 1.8m strip of sidewalk will be poured against the face of the buildings. This work will be part of the finished concrete and will ensure uninterrupted access to local buildings for customers and residents for the remaining duration of the project.



# STAGE 5 – ASPHALT AND FINAL RESTORATION

- ▶ • Once the concrete is in place we will begin preparation for asphalt placement. A large Motograder will arrive onsite and grade the gravel in the roadway
- ▶ • Asphalt is placed in two levels: a base layer (2 lifts in total) and a surface course. The first layer of base coat can be laid in light rain or drizzle provided that it is not too cold. The second layer of base and the surface course of asphalt is EXTREMELY WEATHER DEPENDENT and can only be laid when it is dry and above certain ambient temperatures.
- ▶ • A few days after the 2nd base asphalt lift has been placed, workers will cut holes in the new asphalt in order to set covers on the manholes and catchbasins to finish grade elevation. This work flow is normal and does not indicate there has been a mistake.
- ▶ • Surface course asphalt will not be laid until all 3 blocks of construction are complete.



# STAGE 5 – ASPHALT AND FINAL RESTORATION

- ▶ • After the surface course of asphalt has been placed, crews will arrive onsite to install the textured crosswalks.
- ▶ • This is a multi-stepped and involved process.
- ▶ • The first step involves reheating the asphalt and pressing the design into the surface using vibratory compactors
- ▶ • Once the design is stamped into the asphalt, coloured stain will be applied to the surface.



