

# PROJECT UPDATE

## WEST JASPER PLACE/SHERWOOD

### What's happening?

#### 151 Street sewer rehabilitation (Existing Work Site #1)

The shaft at 99 Avenue and 151 Street will remain an active work site. The crew will continue to use this shaft for access to rehabilitate the 99 Avenue sewer tunnel.

#### 94 Avenue/95 Avenue/97 Avenue sewer diversions

Sewer diversions at all three locations have been completed. Paving of the road surface at both Location #1 and Location #2 is complete, and barricades have all been removed. The sections of sidewalk that were removed as a result of this construction have been temporarily restored with asphalt. The asphalt will be removed and replaced with concrete.

#### 99 Avenue rehabilitation

After completing the 151 Street rehabilitation, the crew began to excavate deeper within the shaft at 151 Street and 99 Avenue to reach the 99 Avenue sewer tunnel. The crew has now completed cutting and removing deteriorated concrete from the tunnel and begun rehabilitation of the wye chamber before installing the new liners within the existing tunnel.

There is no additional public impact expected. The air scrubber will continue to operate as it does currently.

This original scope of work is expected to be completed by the end of June, weather permitting.

#### Constructing shaft and connection at 99 Avenue and 150 Street (Work Site #2)

The shaft at 99 Avenue and 150 Street will need to remain open in order to complete the additional 71m repair of the 99 Avenue trunk sewer.

Upon completion of the additional repair, a manhole structure within this shaft will be constructed up to the road surface. This is expected to be completed in September 2018.

Once the manhole structure is complete, EPCOR will remove all equipment and material from the work area and complete the surface restoration.

#### Inspection east along 99 Avenue to shaft at 150 Street

The change order was approved to proceed with the rehabilitation of an additional 71m of the 99 Avenue trunk sewer from the wye chamber up to the shaft near 150 Street and 99 Avenue. The same technique being used to rehabilitate the first portion of the 99 Avenue trunk sewer will be used east of the wye chamber. This will involve over-excavating and removing the deteriorated concrete while constructing a new tunnel in its place. Once the new tunnel is constructed using steel ribs and timber boards, a corrosive-resistant pipe will be installed inside the tunnel as the final liner.

Impacts to the community are:

- 99 Avenue will remain closed until the rehabilitation is complete
- Dump trucks carrying excavated material will be travelling to and from the work sites
- Concrete mixer trucks and concrete pump trucks will be moving in and out of the area

- Boom trucks or flat deck trucks will be used to deliver construction material to site
- Trades workers will visit the site on occasion
- Welding trucks and/or pickup trucks may be temporarily parked on site
- The air scrubber at 151 Street and 99 Avenue will continue operation

It is still expected that the repair to the east of the wye chamber up to the shaft at 150 Street will be completed by the end of September.

The results from the inspection of the trunk sewer on 151 Street south of 99 Avenue have not yet been received by the project team.

### **Abandonment of 151 Street trunk sewer north of 100 Avenue**

The abandonment of a section of the 151 Street trunk sewer north of 100 Avenue is expected to begin in June.

This work will involve two phases similar to the sewer diversions between 94 Avenue and 95 Avenue. The first phase will involve open cut trenching to divert sewage to the new manhole constructed north of 100 Avenue. This is scheduled to start on June 18, weather permitting and is expected to take approximately 2 weeks.

Once the flow is diverted, a drilling contractor will install a pipe down to the existing tunnel. This pipe will be used to backfill and abandon a section of the deteriorated trunk sewer. The second phase is expected to take 2 weeks.

While work is underway, a full road closure will be in effect on 151 Street north of 100 Avenue.

### **Surface restoration of drainage utility cuts by EPCOR**

Surface restoration of the roadway cuts made as a result of the work by EPCOR is expected to be complete by the end of September 2018. The City of Edmonton is expected to complete the remainder of the neighbourhood reconstruction. This will involve removal and replacement of sidewalks and paving of streets.

## **Schedule**

### **June**

Rehabilitation east along 99 Avenue to the shaft at 150 Street (Work Site #2) will be ongoing.

Abandonment of a section of trunk sewer along 151 Street north of 100 Avenue will begin.

### **July / August**

Rehabilitation east along 99 Avenue to the shaft at 150 Street (Work Site #2) will be ongoing.

Abandonment of a section of trunk sewer along 151 Street north of 100 Avenue will be completed.

### **September**

Rehabilitation east along 99 Avenue to the shaft at 150 Street (Work Site #2) will be approaching completion.

Once the rehabilitation is complete, the crew will begin building the manhole up to the surface for Existing Work Site #1 and Work Site #2 shafts. The road will be restored once the manholes are complete.

Surface restoration of drainage utility cuts by EPCOR

- Start – September
- Expected completion – end of September
- The City of Edmonton is expected to complete the remainder of the neighbourhood reconstruction in 2019. This will involve removal and replacement of sidewalks and paving of streets.

Once the surface restoration is complete, all roads will be fully open to traffic.

## **Traffic accommodation**

There are no changes to the traffic accommodation currently in place for existing work.

For the abandonment of 151 Street trunk sewer north of 100 Avenue, a full road closure will be required.

## **Safety**

The construction areas will be fenced and/or marked as restricted areas. We will take every precaution to ensure public safety, and we also need your assistance in keeping children and pets a safe distance from the construction site and the equipment.

We thank you for your patience and understanding as we continue this necessary work.

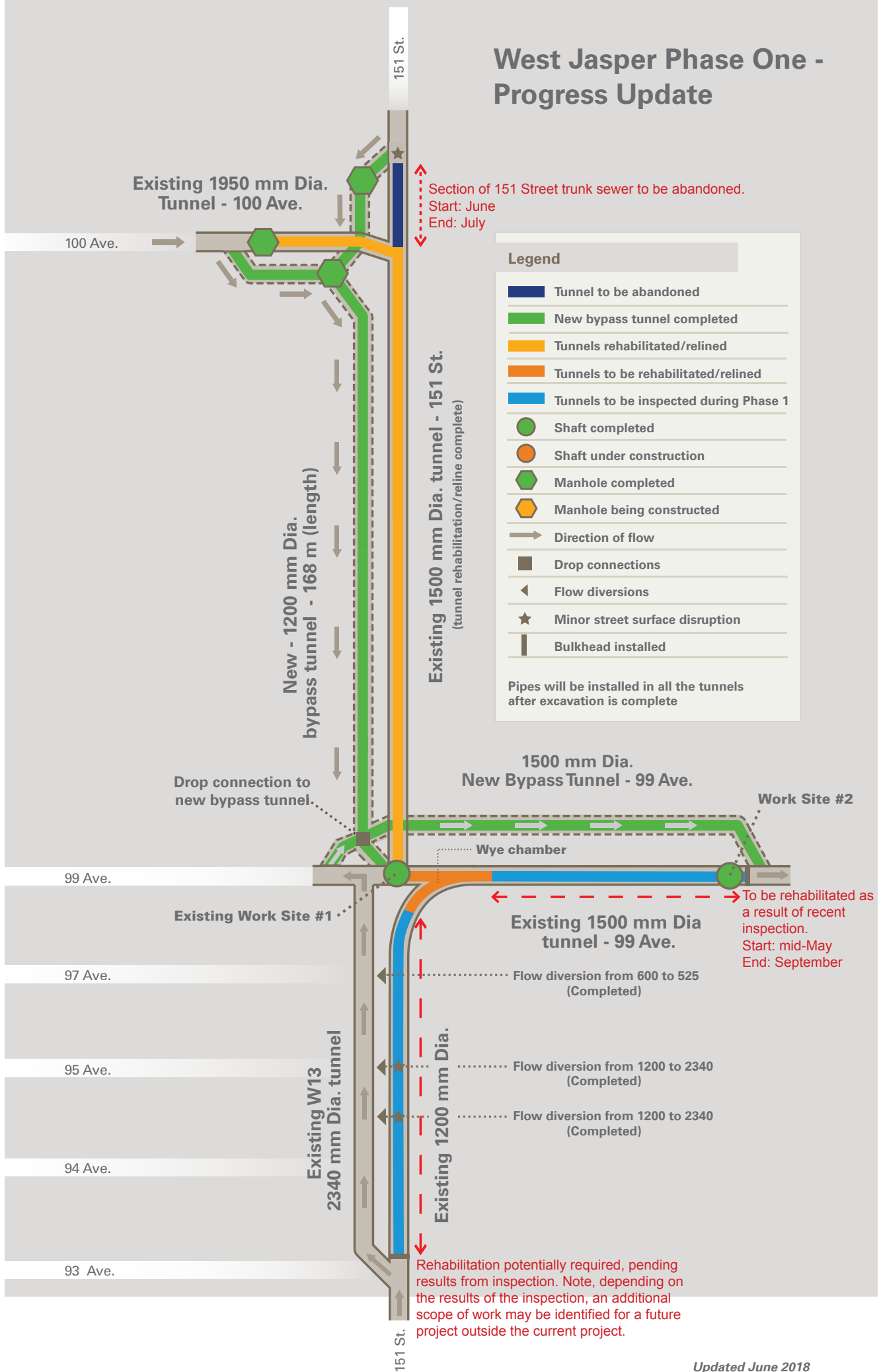
## **Who do I contact for more information?**

EPCOR Drainage Services

Tel: (780) 509-8080

E-mail: [EPCORdrainage@epcor.com](mailto:EPCORdrainage@epcor.com)

# West Jasper Phase One - Progress Update



## Legend

- Tunnel to be abandoned
- New bypass tunnel completed
- Tunnels rehabilitated/relined
- Tunnels to be rehabilitated/relined
- Tunnels to be inspected during Phase 1
- Shaft completed
- Shaft under construction
- Manhole completed
- Manhole being constructed
- Direction of flow
- Drop connections
- Flow diversions
- Minor street surface disruption
- Bulkhead installed

Pipes will be installed in all the tunnels after excavation is complete