



**PROFESSIONAL**  
**EXCAVATORS & CONSTRUCTION** INC.  
Since 1975

TEMPORARY TRAFFIC  
ACCOMMODATION STRATEGY

TOWN OF CROSSFIELD  
*2020 Railway St. Revitalization*



## **TABLE OF CONTENTS**

1. Introduction
2. Project Location
3. Scope of Work
4. Duration of Work
5. Notification
6. Signage Used
7. Flagging
8. Speed Limits
9. Permits
10. Public & Pedestrian Accommodation
11. Emergency Vehicle Accommodation
12. Road Rehabilitation

### ***Appendices***

- A - Daily Record of Temporary Construction Signs
- B – Phase 1
- C – Phase 2
- D – Phase 3
- E – Phase 4
- F- Signage to Be Used
- G- Emergency Response Plan



## **INTRODUCTION**

The purpose of this Traffic Accommodation Strategy is to ensure that safety of all employees and public throughout the duration of the project. It is the primary goal to provide a construction site that is not only safe to the workers involved, but also to the general public that may be affected by the construction.

For the Duration of the Town of Crossfield Railway St. Revitalization project, the following traffic plan will be implemented and followed for all public and construction traffic travelling around or near the construction areas. The current posted speed of 30km/h will remain in place on the detour routes.

This Traffic Accommodation Strategy follows Alberta Transportation guidelines for temporary traffic accommodation in work zones.

## **PROJECT LOCATION**

Town of Crossfield located in the Province of Alberta.

The traffic accommodation will be separated into 4 phases along Limit Avenue and Railway Street. Phase 3 and 4 will include sub phases that pertain specifically to vehicular/delivery access for businesses.

Phase 1 (Appendix B) – Laut Ave/ Railway St Intersection to the north side of Ross St. Vehicular access will be provided for businesses via a temporary access road east of Railway St.

Phase 2 (Appendix C) – Railway St north of Laut Ave to north of Smith Ave, including west on Smith Ave to the alley. Vehicular access will be provided for businesses via a temporary access road east of Railway St.

Phase 3 (Appendix D) – Railway St north of Grey St to south of Osler St, including west on Smith Ave, Nanton Ave, and Hammond Ave to the alley ways.

Vehicular/Delivery access will be provided for businesses during Phase 3 as follows:

### **Phase 3a)**

- Delivery access for businesses between Grey Ave, and Smith Ave will be via the lane entrance on Grey Ave.
- Delivery access for businesses between Smith Ave and Nanton Ave will be via the lane entrance on Nanton Ave.
- Delivery access for businesses between Nanton Ave and Hammond Ave will be via the lane entrances on both streets.
- Delivery access for businesses between Hammond Ave and Osler Ave will be via the lane entrances on both streets.
- Delivery access for Mountain View Financial will be east of the Osler Ave and Railway St intersection.

### **Phase 3b)**

- Delivery access to businesses between Grey Ave, and Smith Ave will be via the lane entrances on both streets.
- Delivery access to businesses between Smith Ave and Nanton Ave will be via the lane entrance on Smith Ave.



- Delivery access to businesses between Nanton Ave and Hammond Ave will be via the lane entrance on Hammond Ave.
- Delivery access to businesses between Hammond Ave and Osler Ave will be via the lane entrances on both streets.
- Delivery access for Mountain View Financial will be east of the Osler Ave and Railway St intersection.

Phase 3c)

- Delivery access for businesses between Grey Ave, and Smith Ave will be via the lane entrance on Grey Ave.
- Delivery access to businesses between Smith Ave and Nanton Ave will be via the lane entrance on Nanton Ave.
- Delivery access to businesses between Nanton Ave and Hammond Ave will be via the lane entrance on Nanton Ave.
- Delivery access to businesses between Hammond Ave and Osler Ave will be via the lane entrance on Osler Ave.
- Delivery/Vehicular access for Mountain View Financial will be east of the Osler Ave and Railway St intersection.

Phase 3d)

- Delivery access to businesses between Grey Ave, and Smith Ave will be via the lane entrances on both streets.
- Delivery access to businesses between Smith Ave and Nanton Ave will be via the lane entrance on Smith Ave.
- Delivery access to businesses between Nanton Ave and Hammond Ave will be via the lane entrance on Hammond Ave.
- Delivery access to businesses between Hammond Ave and Osler Ave will be via the lane entrances on both streets.
- Delivery/Vehicular access for Mountain View Financial will be east of the Osler Ave and Railway St intersection.

Phase 3e)

- Delivery access to businesses between Grey Ave, and Smith Ave will be via the lane entrances on both streets.
- Delivery access to businesses between Smith Ave and Nanton Ave will be via the lane entrances on both streets.
- Delivery access to businesses between Nanton Ave and Hammond Ave will be via the lane entrance on Nanton Ave.
- Delivery access to businesses between Hammond Ave and Osler Ave will be via the lane entrance on Osler Ave.
- Delivery/Vehicular access for Mountain View Financial will be east of the Osler Ave and Railway St intersection.

Phase 4 (Appendix E) – Railway St north of Nanton Ave to south of Limit Ave, including to the alley on Hammond Ave and Osler Ave. Grey Ave from Railway St to the alley will also be closed.

Vehicular/Delivery access will be provided for businesses during Phase 4 as follows:

Phase 4a)

- Delivery access to businesses between Nanton Ave, and Hammond Ave will be via the lane entrance on Nanton Ave.
- Delivery access to businesses between Hammond Ave and Osler Ave will be via the lane entrance on Osler Ave.
- Delivery access to businesses between Osler Ave and Chisolm Ave will be via the lane entrance on Chisolm Ave.
- Delivery access to Mountain View Financial will be via a temporary access road crossing Railway St from Osler Ave.
- Delivery/Vehicular access to Carmens Bigway Foods Grocery Store will be alternating between temporary access roads crossing Railway St from Chisolm Ave, and Osler Ave, or from the temporary access road heading north from the parking lot.
- Delivery/Vehicular Access to the Shell Gas Station will be via a temporary access road from Limit Ave.

Phase 4b)

- Delivery access to businesses between Nanton Ave, and Hammond Ave will be via the lane entrances on both streets.
- Delivery access to businesses between Hammond Ave and Osler Ave will be via the lane entrance on Hammond Ave.
- Delivery access to businesses between Osler Ave and Chisolm Ave will be via lane entrance on Chisolm Ave.
- Delivery access to Mountain View Financial will be via a temporary access road crossing Railway St from Osler Ave, or from the temporary access road heading north from the parking lot.
- Delivery/Vehicular access to Carmens Bigway Foods Grocery Store will be alternating between temporary access roads crossing Railway St from Chisolm Ave, and Osler Ave.
- Delivery/Vehicular Access to the Shell Gas Station will be via a temporary access road from Limit Ave.

**SCOPE OF WORK**

The work tasks that will be taking place throughout the duration of the project include;

- Mobilization/Demobilization of Equipment to/from site
- Environmental Protection
- Traffic Accommodation



- Asphalt & Concrete Cutting
- Asphalt & Concrete Removal
- Tree Removal
- Transportation of materials to and from site
- Excavate to remove and replace deep utilities
- Install deep utilities
- Install services
- Reconnect residential services to new mains
- Backfill & Compaction
- Place aggregate materials
- Install new concrete
- Install new asphalt surfaces
- Pavement markings
- Landscaping

Heavy equipment will be working on the roadways for the duration of the project including commercial transportation vehicles. Professional Excavators & Construction Inc. will have flag personnel available onsite as needed to assist with traffic control when vehicles are entering and exiting work areas onto public roadways or temporary public roadways.

#### **SUB CONTRACTORS**

TBD

#### **DURATION OF WORK**

The project will be split in two phases.

The first phase is expected to begin on April 13<sup>th</sup>, 2020 and end on October 15<sup>th</sup>, 2020. This phase will consist of the removal of existing trees, concrete, and asphalt, installation of new water main, sanitary sewer, storm sewer, electrical wiring, street lighting, concrete, bottom lift asphalt, temporary pavement markings, and landscaping.

The second phase will be between May 15<sup>th</sup>, 2021 and July 31<sup>st</sup>, 2021. This phase will consist of top lift asphalt and final pavement markings.

The work will be taking place between the hours of 7:00 am to 7:00 pm. This time frame is subject to change in the event of an emergency situation and Professional Excavators & Construction Inc. will communicate with appropriate personnel as required.

#### **NOTIFICATION**

Professional Excavators will be contacting all Emergency Services 3 days prior to the commencement of work and traffic pattern changes. All affected facilities, residents and businesses will also be notified of any interruptions or traffic route changes.

Notification to residences and/or businesses will be provided in writing. Professional Excavators will provide road closure notices to all affected businesses and residences, a minimum, of 24 hours in advance of any road closures.










### SIGNAGE TO BE USED










All signage that will be used on the project will be in compliance with Alberta Transportation guidelines and regulations.

Signs will be placed at heights and spacing between as specified in the Alberta Transportation Traffic Accommodation in Work Zones Manual. Spacing for the Low Volume/Low Speed signage will be 30m apart. On highway 2A, the detour signs will be 75m from the turn, and other signage will be 75m apart unless otherwise indicated. The signs in the Low Volume/Low Speed area will be standard size. The Detour Notification Signage is oversized at be 96"x60". All portable signs will be mounted to A-frame style stands and will be secured where required. All barricades will be equipped with Type A flashing lights when they will be in place during periods of darkness.

Two variable message boards will be set up on Highway 2A for phases 1 and 2 to notify motorists that Railway St will be accessible via Limit Ave only. Access to Railway St will be closed at Laut Ave. The VMB's will read: No Access to Railway St via Laut Ave. Access Railway St via Limit Ave. One VMB will be set up 75m south of Laut Ave/Highway 2A intersection to notify north bound motorists. The other VMB will be set up 75m north of Limit Ave/Highway 2A intersection to notify south bound motorists.

Portable signs that will be used include;

Sign Code	Description	Image
WD-101	Construction Ahead	
WD-154	Construction Ends	
WD-116-2	Road Closed Barricade	
WDA-43-L	Roadside Diversion Left	
WDA-43-R	Roadside Diversion Right	
NS-52	No Thru Traffic	
NOTHRU-L	No Thru Traffic Left	
NOTHRU-R	No Thru Traffic Right	
ID-1R	Detour Right Arrow	

ID-1L	Detour Left Arrow	
RDCLOSEA/75	Road Closed Ahead	
RB-11R	No Right Turn	
RB-11L	No Left Turn	
RB-14L	Turn Left	
RB-14R	Right Turn	
LTO	Local Traffic Only	
WD-A-45	Flagger Ahead <i>*when required</i>	
WD-103	Detour Ahead	

### FLAGGING

Flaggers will not be permanently stationed at any of the phases within this project. Flaggers may be used if onsite supervisor feels that there is a safety concern when trucks are entering or exiting the work area onto public roadways.

Where flaggers are required, they will be stationed appropriate distance from work zones. All personnel flagging traffic will don appropriate reflective clothing as per Alberta Transportation Traffic Accommodation in Work Zones Specifications. Flagger personnel will also be certified to do such job.

### SPEED LIMITS

All current posted speed limits will remain in force throughout the duration of the project. If the onsite supervisor feels that a restriction in speed limit is necessary for the safety of workers onsite or the public around the work area, they will notify the contract owner.

### PERMITS

The following permit(s) are active for the Project;

Permit/File #	Description	Location
TBD	Alberta Transportation	Limit Avenue (Hwy 574)

### PUBLIC & PEDESTRIAN ACCOMMODATIONS





Professional Excavators & Construction Inc. is committed to ensuring the safety of all public that will be affected by the Project. To maintain the safety of all personnel affected by the Project, the Contractor will ensure the following;

- Provide posted notice to all public traffic affected by the project 5 days prior to commencement of work activities affecting the regular flow of traffic.
- Provide written notice to all affected residents and businesses within town limits, a minimum of 24 hours in advance of any interruptions – Notices shall be approved by the Town of Crossfield prior to being provided to residences and businesses.
- Maintain pedestrian access to surrounding buildings during construction at all times. This includes all residential properties and businesses. A portion of sidewalk connected to the buildings on Railway St. and the side streets will remain functional until the roadway is paved. Once the roadway is paved, a fenced off walkway will be available to pedestrians to access all businesses while the remaining sidewalk is removed and replaced. Alternating temporary pedestrian access pathways will also be provided during Phase 3 and 4 from the parking lot east of Railway St.
- Set up temporary 6' fencing around all active work areas to prevent egress from public.
- Signage for clarification to public.

#### **EMERGENCY VEHICLE ACCOMMODATION**

Professional Excavators will maintain emergency vehicle access to all buildings on the west side of Railway St via the rear laneways while Railway St. is closed. Buildings east of Railway St. will have access through one of the alternating crossings across Railway St from one of the side streets. These will be clearly marked with signage and communicated with all emergency services before changes are made.

#### **EMERGENCY RESPONSE PLANNING**

Listed below is the Contractor's generic emergency response procedure to be followed on all jobsites, unless otherwise stated. All Emergency Contact information is available on APPENDIX G

1. As soon as the incident is noticed, jobsite activities must be stopped. Notify Site Superintendent immediately.
2. Qualified contractors, workers and sub-trades to provide appropriate help to eliminate risks and damage if safe to do so (i.e.: first aid to injured worker, extinguish active fires, shut off valves, provide traffic control, etc.)
3. Incident area to be cordoned off.
4. Call Police, Ambulance, Fire, Hospital, etc. – as per Emergency Contact List located in Appendix G.
5. Other workers to gather at specified Muster Point, and, if there is no safe way of controlling the situation, all workers to evacuate site to Muster Point.
6. Call Project Manager and Safety Manager.
7. Produce Incident Report and forward to Project Manager and Safety Manager.
8. Ensure site is safe and obtain permission from Project Manager to resume work.
9. Perform a thorough incident investigation as soon as possible, with corrective recommendations implemented immediately.
10. Incident findings to be reviewed with workers at the next Safety Meeting.

Site Specific Emergency Response Plan attached as Appendix G



### **Emergency Reporting**

Any incident involving injury, illness to personnel, loss of revenue or damage to company property or personal property while working must be reported as soon as practical, if not immediately. Any Near Misses that occur during company time must be reported and documented appropriately.

All incidents on the Project will be immediately reported to the Town and Stantec, and the scene will be frozen until direction is provided.

All Sub-contractors must report all incidents as soon as practical to the contractor designated site safety representative or HSE Manager. All reports must be followed up by appropriate documentation within 48 hrs of initial incident.

A written report must be created that includes: a description of the incident, any photographs or other evidence that may assist in determining the cause or causes of the incident, an explanation of the cause or causes of the incident, the immediate corrective action(s) taken, and any long-term action(s) that will be taken to prevent the occurrence of a similar incident or the reasons for not taking action. This written report will be provided to Stantec and the Town of Crossfield within 72 hours of the incident.

### **ROAD REHABILITATION**

Upon completion of each phase throughout the project, the road will be resurfaced with Asphalt and road lines marked as required for the type of roadway. If there are any delays in paving, such as inclement weather, the road will be resurfaced with road gravel until the conditions improve to pave the area.



**APPENDIX A**



Project: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Start Date: \_\_\_\_\_  
 Type of Work: \_\_\_\_\_

**DAILY RECORD OF TEMPORARY CONSTRUCTION SIGNS**

SIGNS ON SITE: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

SPECIAL NOTES (windy conditions, rainy, heavy traffic, secured signs with sand bags, etc.): \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

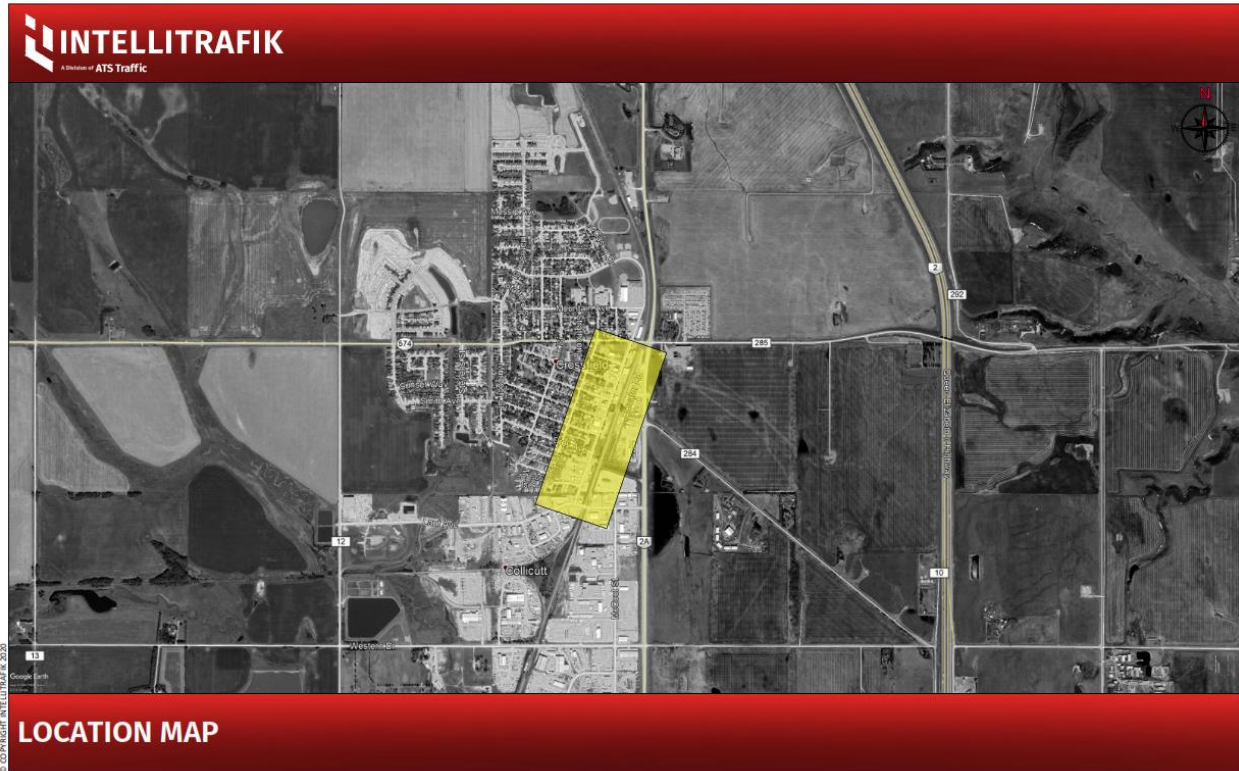
DAILY CHECK OF SIGNS:  
 (Tipped over, dirty, unable to read, not in correct spot of work area, etc.)

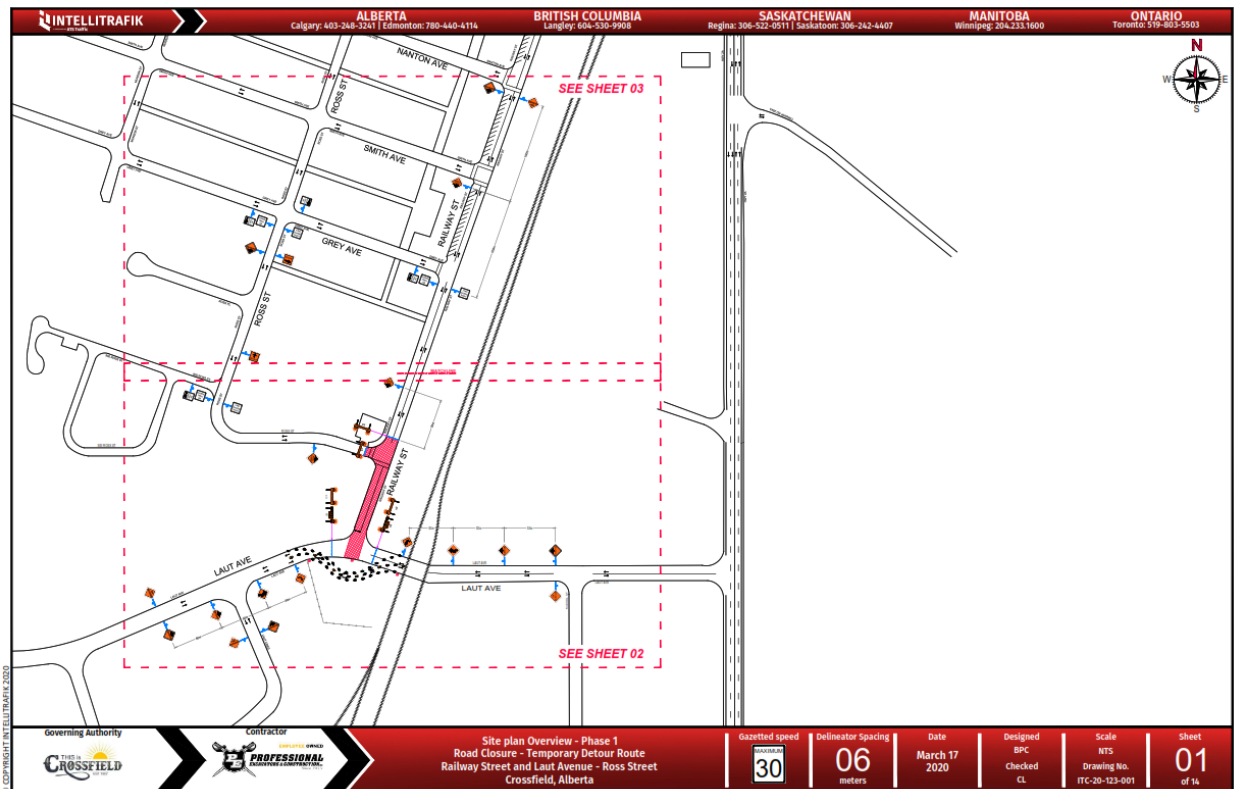
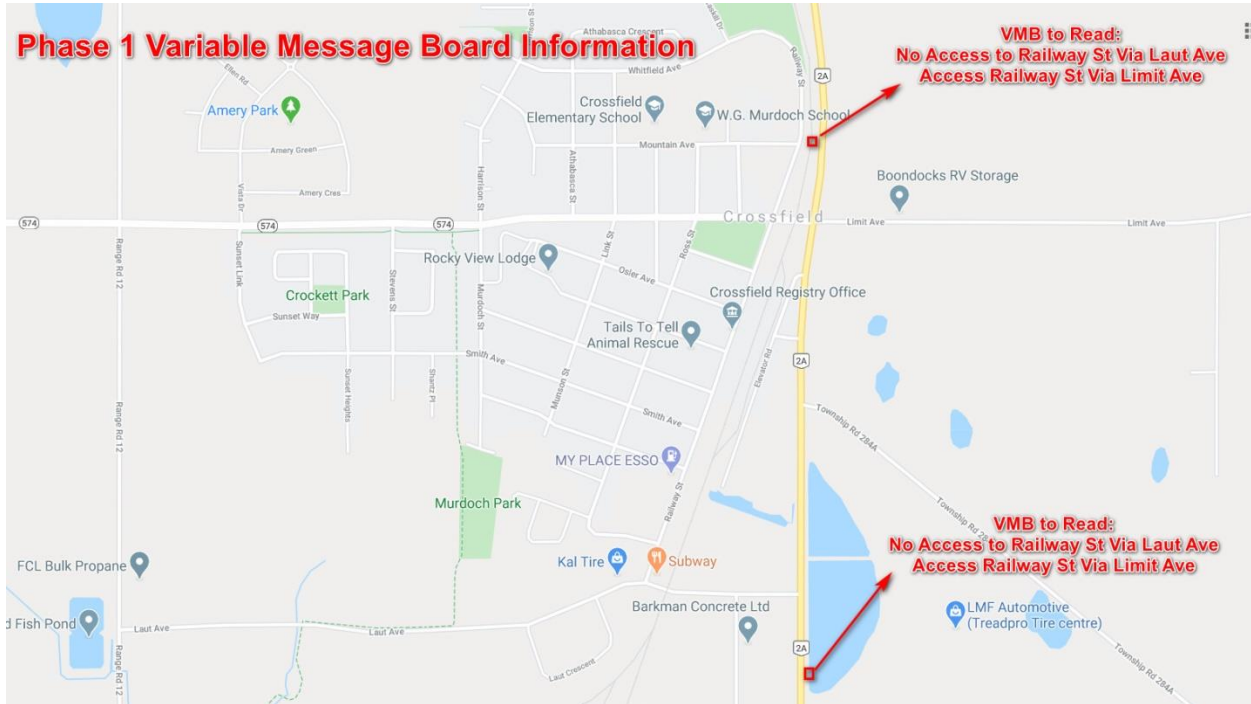
DATE	CHECKED	COMMENTS	INITIALS

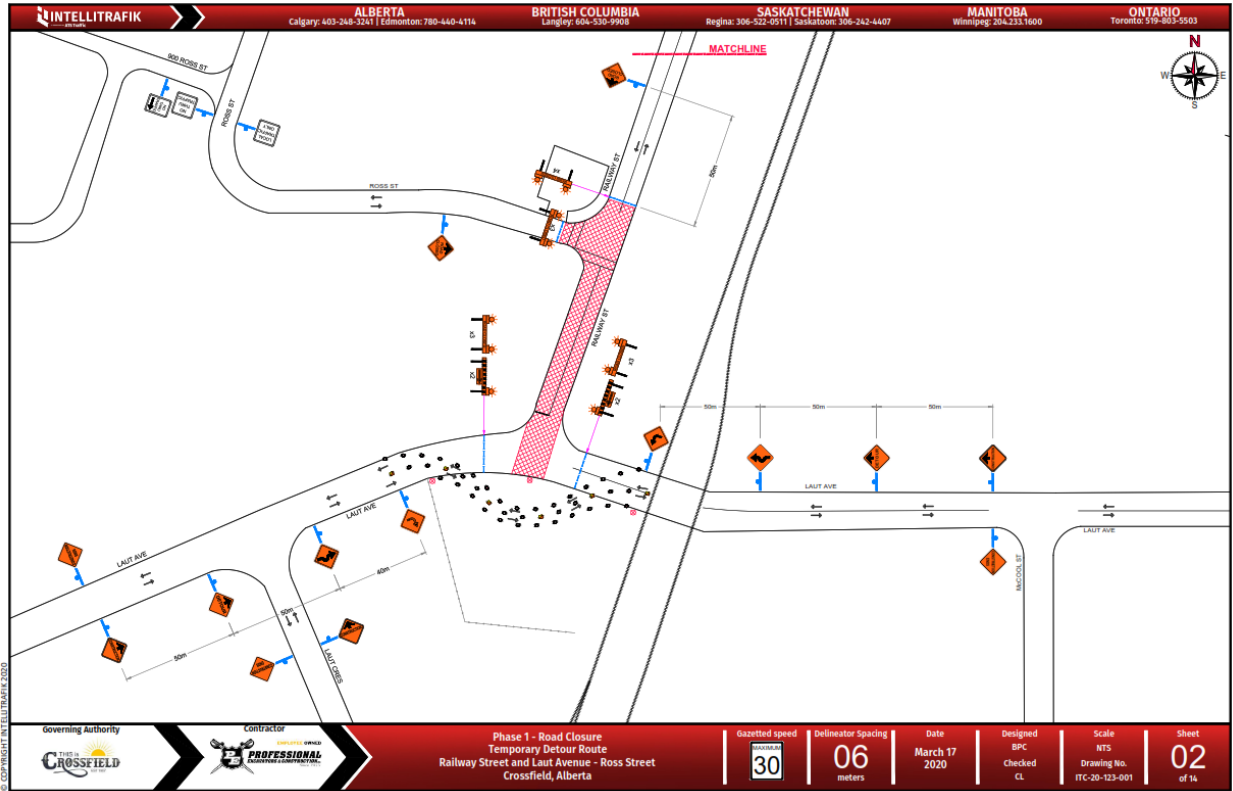
- \*\*AN INITIAL CONFIRMS THAT THE FOLLOWING ITEMS HAVE BEEN CHECKED\*\***
- All traffic control devices conform to the Traffic Accommodation Strategy and the Contract Specifications.
  - All traffic control devices are clean, unobstructed and clearly visible.
  - All traffic control devices are properly located, in good condition and secured as best as possible.
  - All necessary flashers are properly working.
  - Temporary lane marking is in place (where necessary).

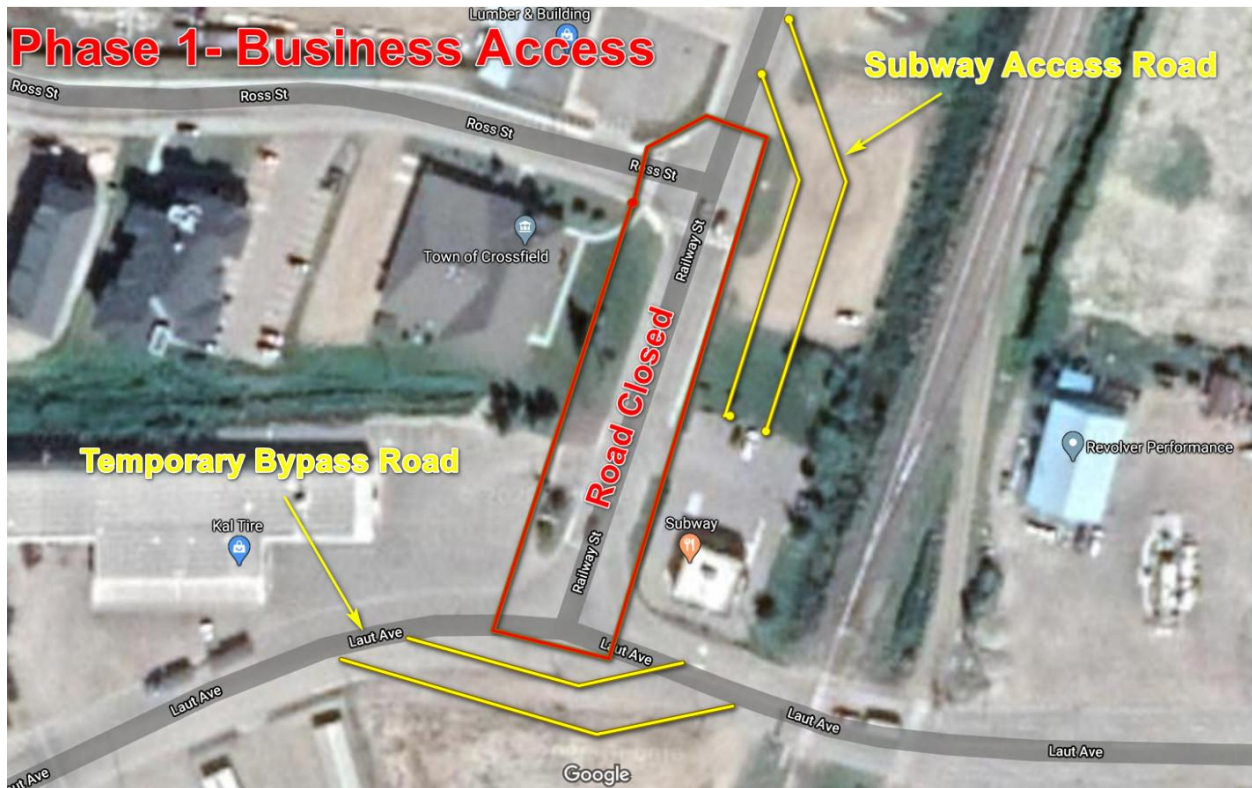
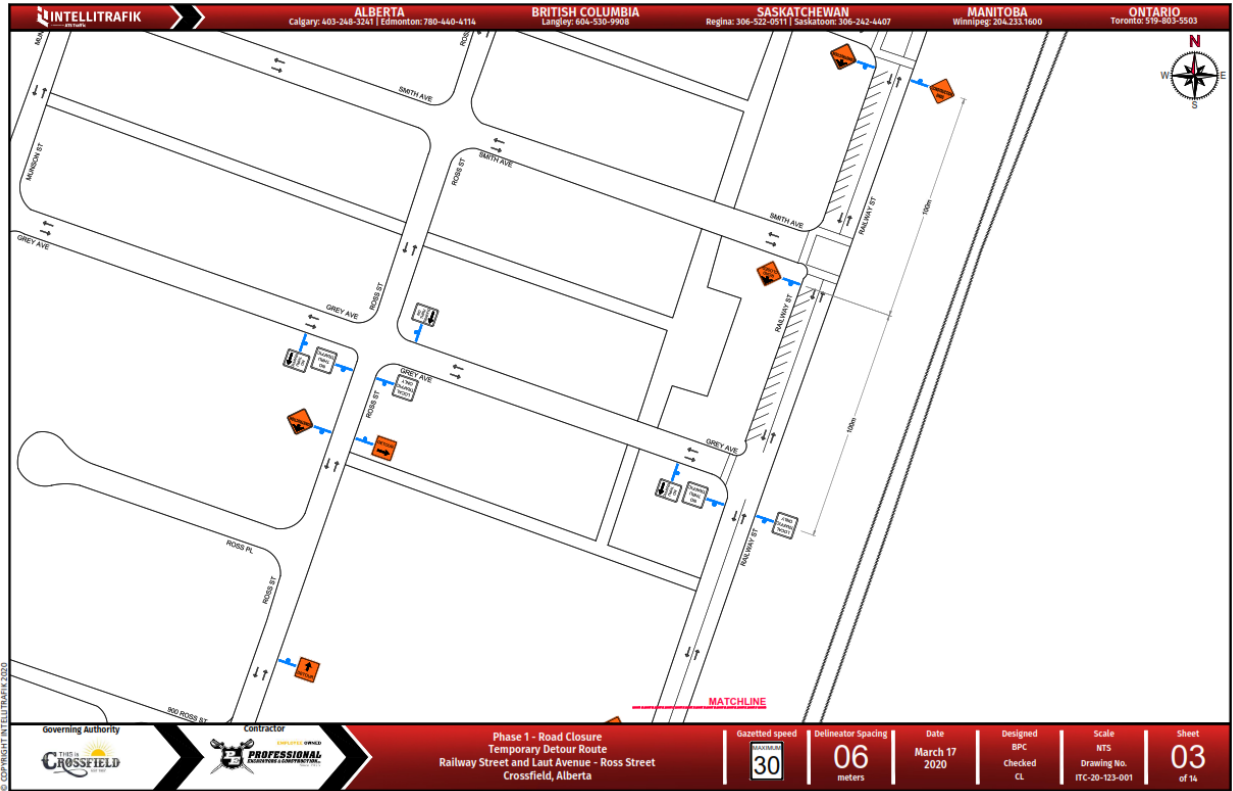
APPENDIX B

Phase 1 Detour



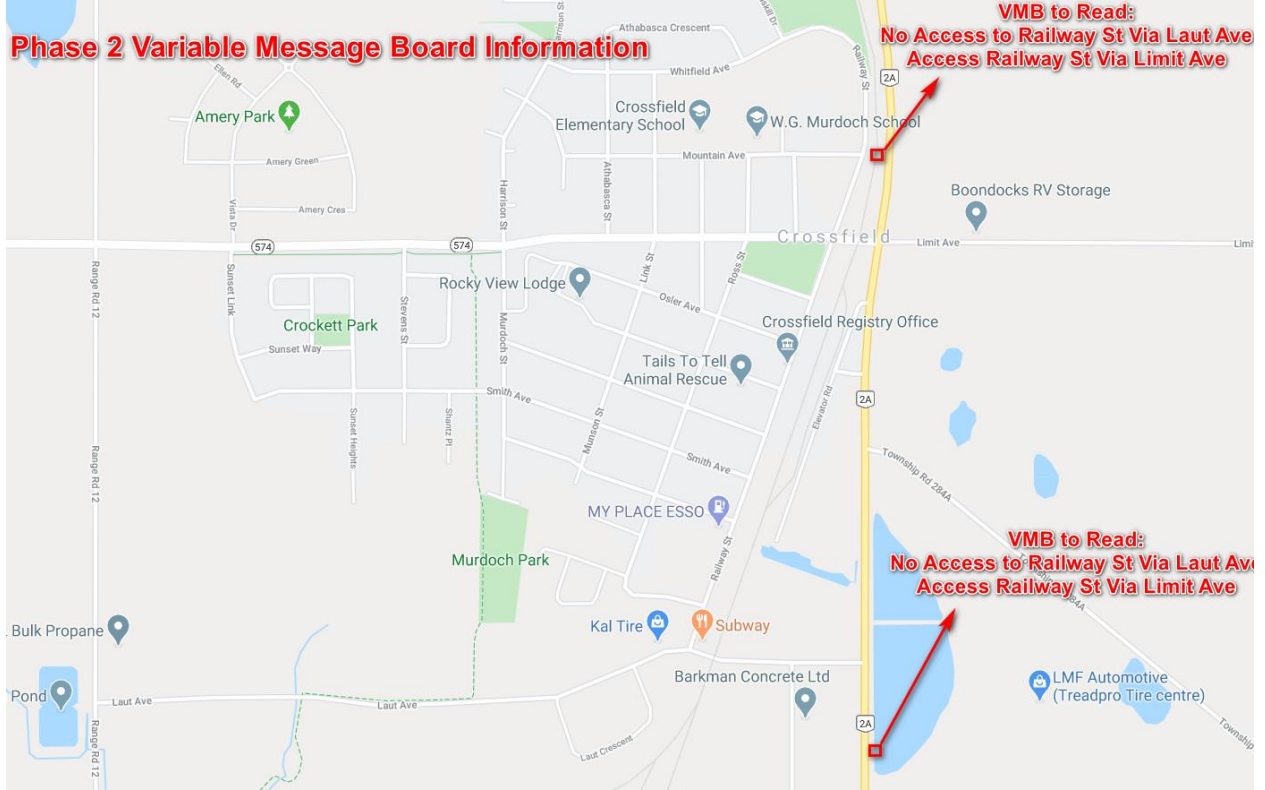




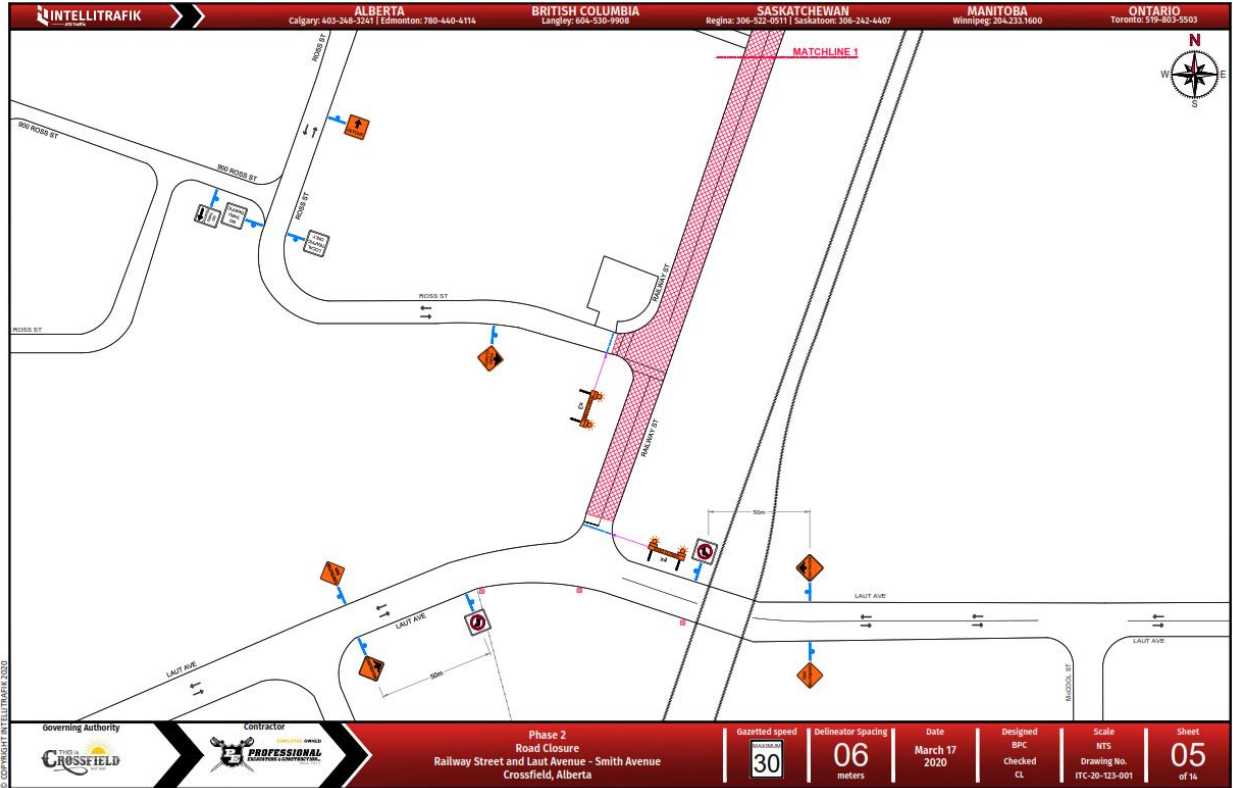
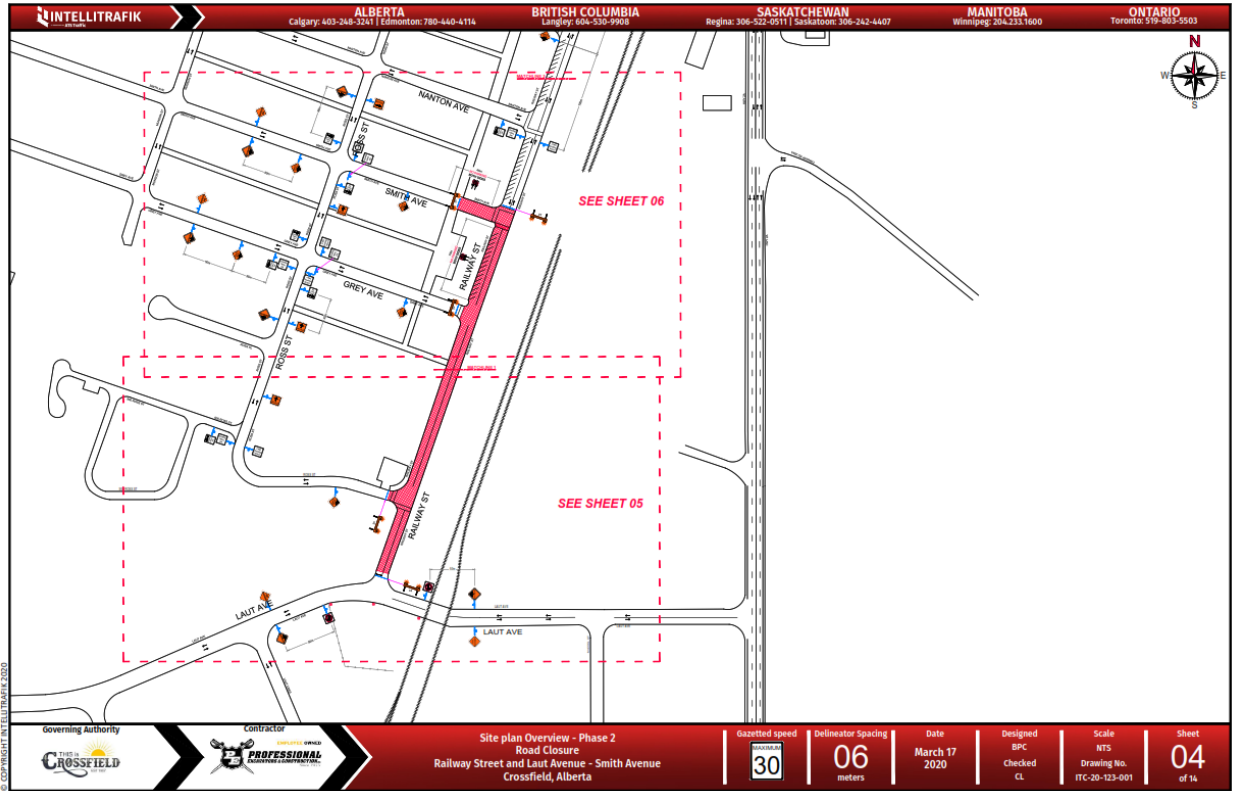


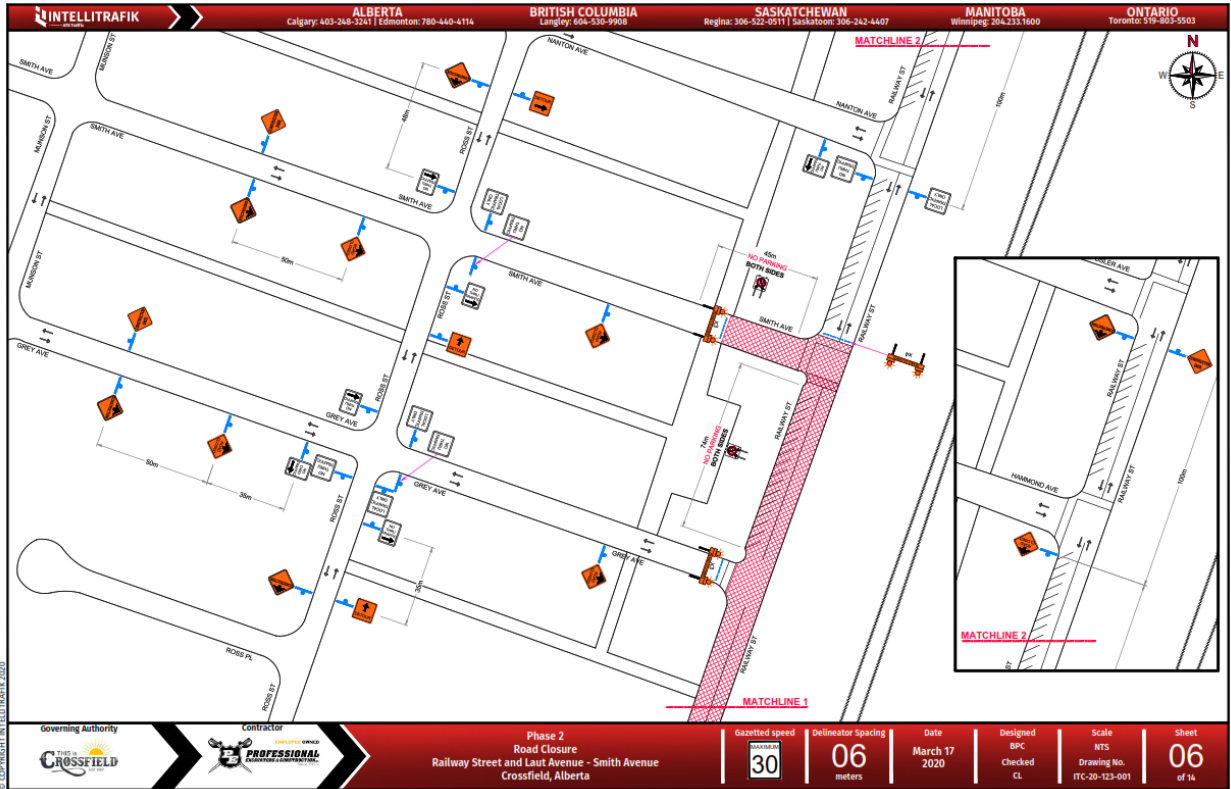
**APPENDIX C**

**Phase 2 Detour**



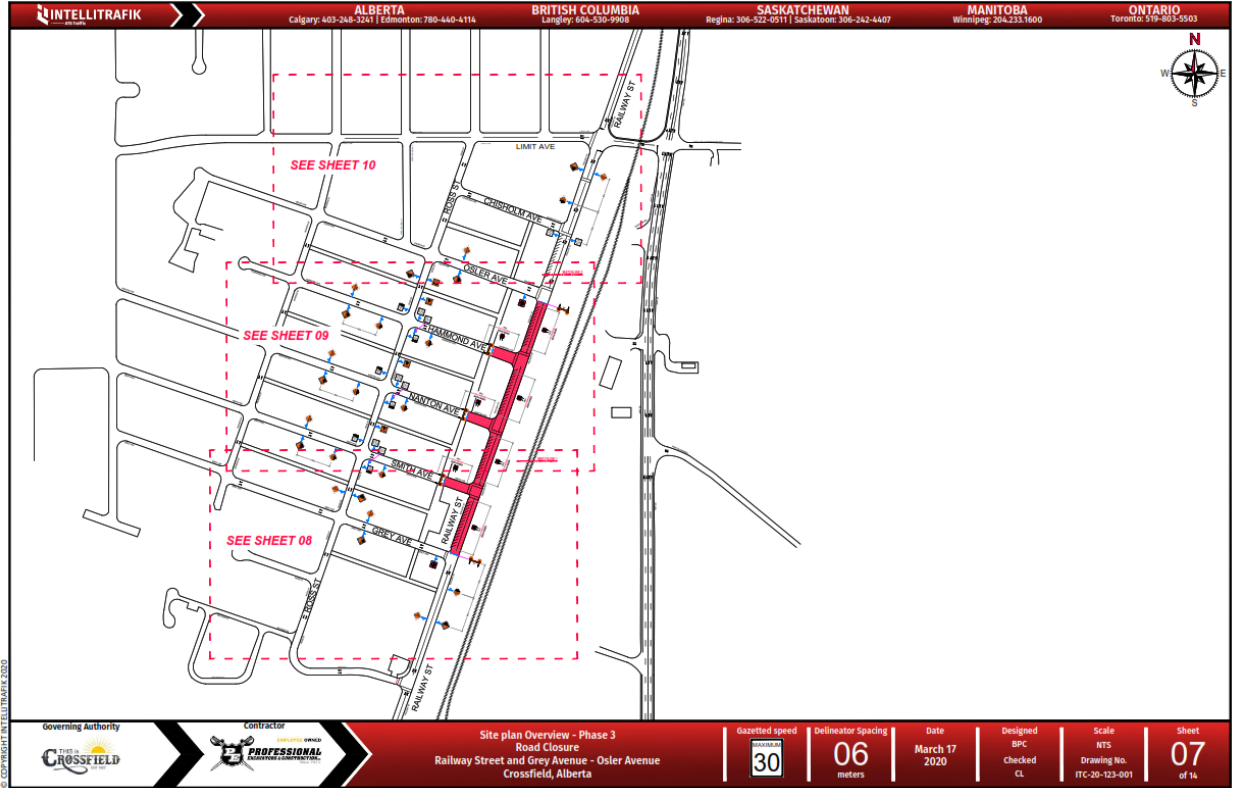


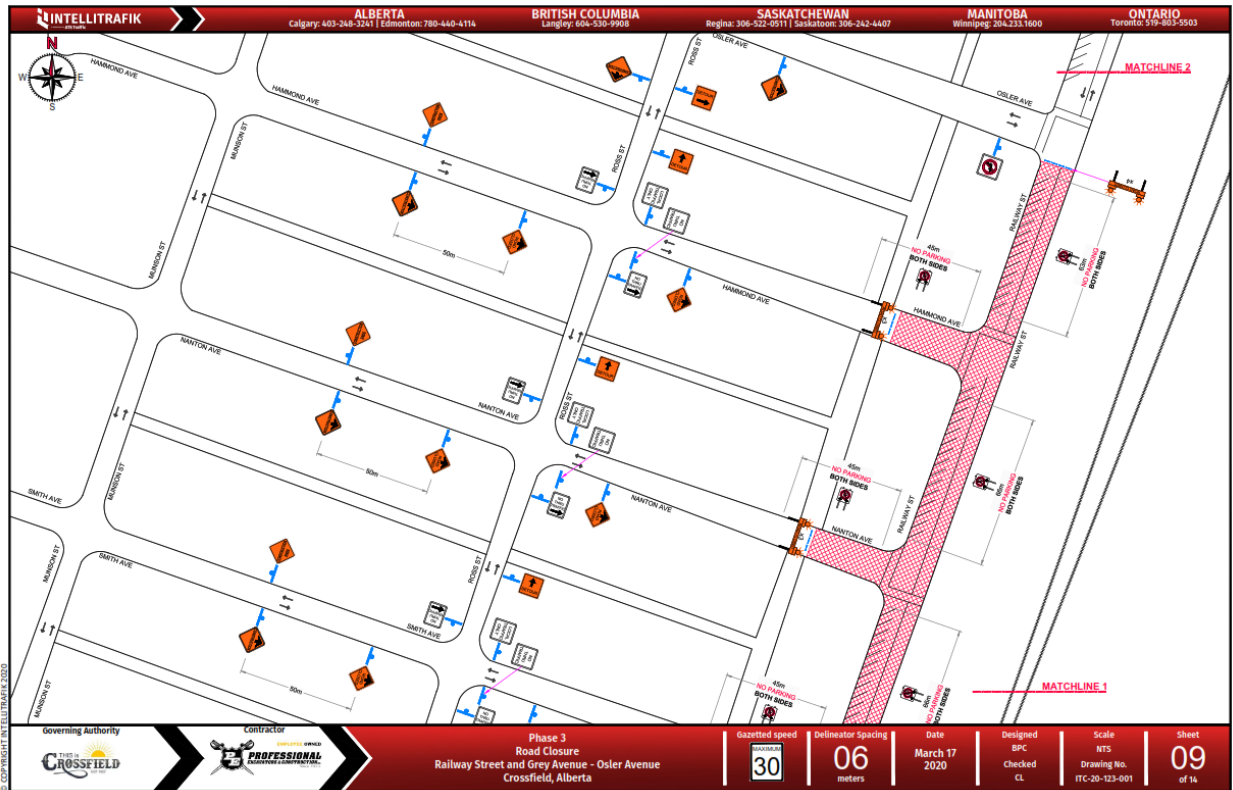
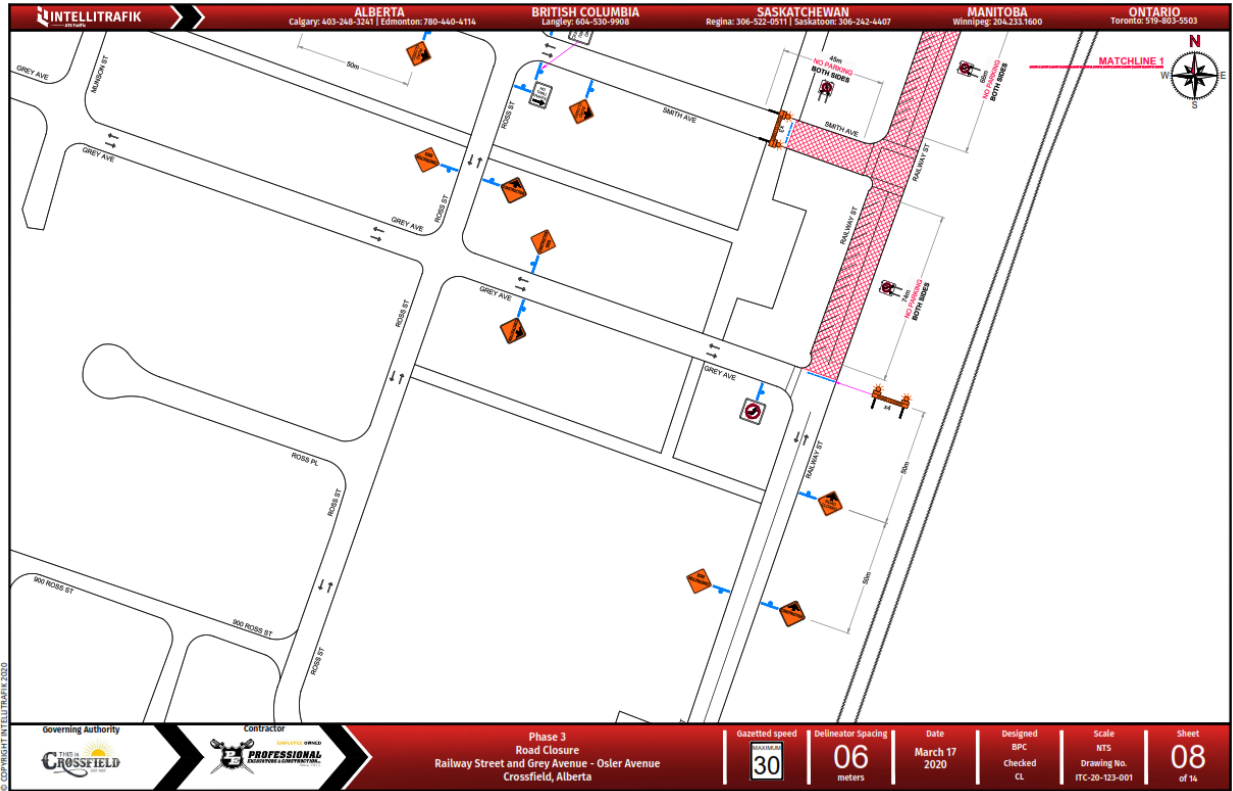




APPENDIX D

Phase 3 Detour













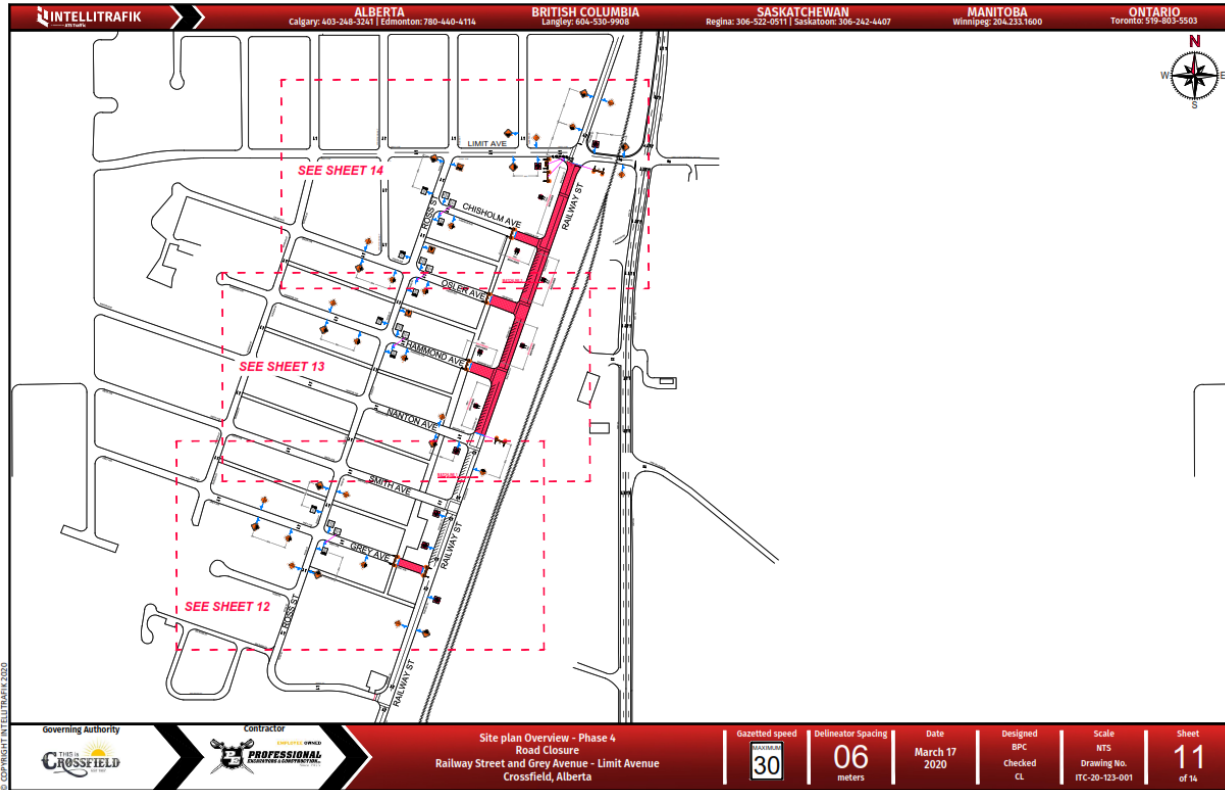


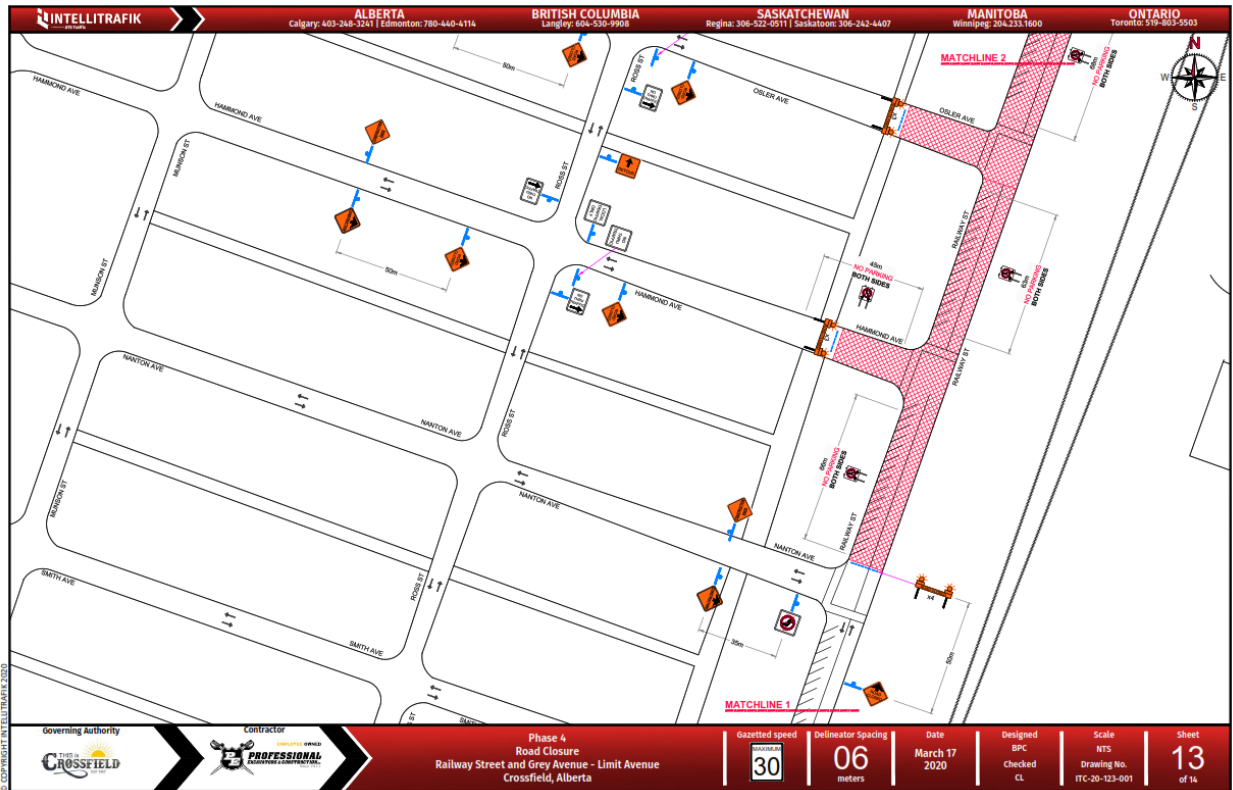
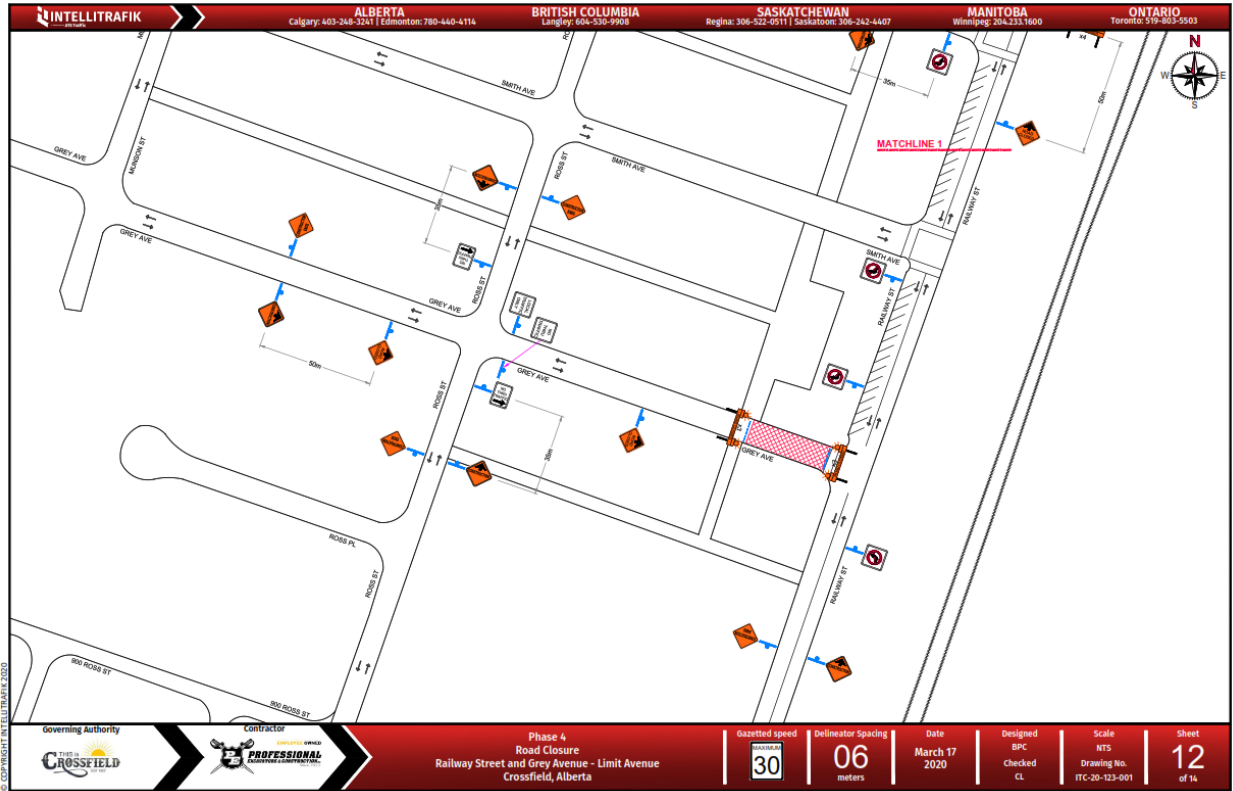


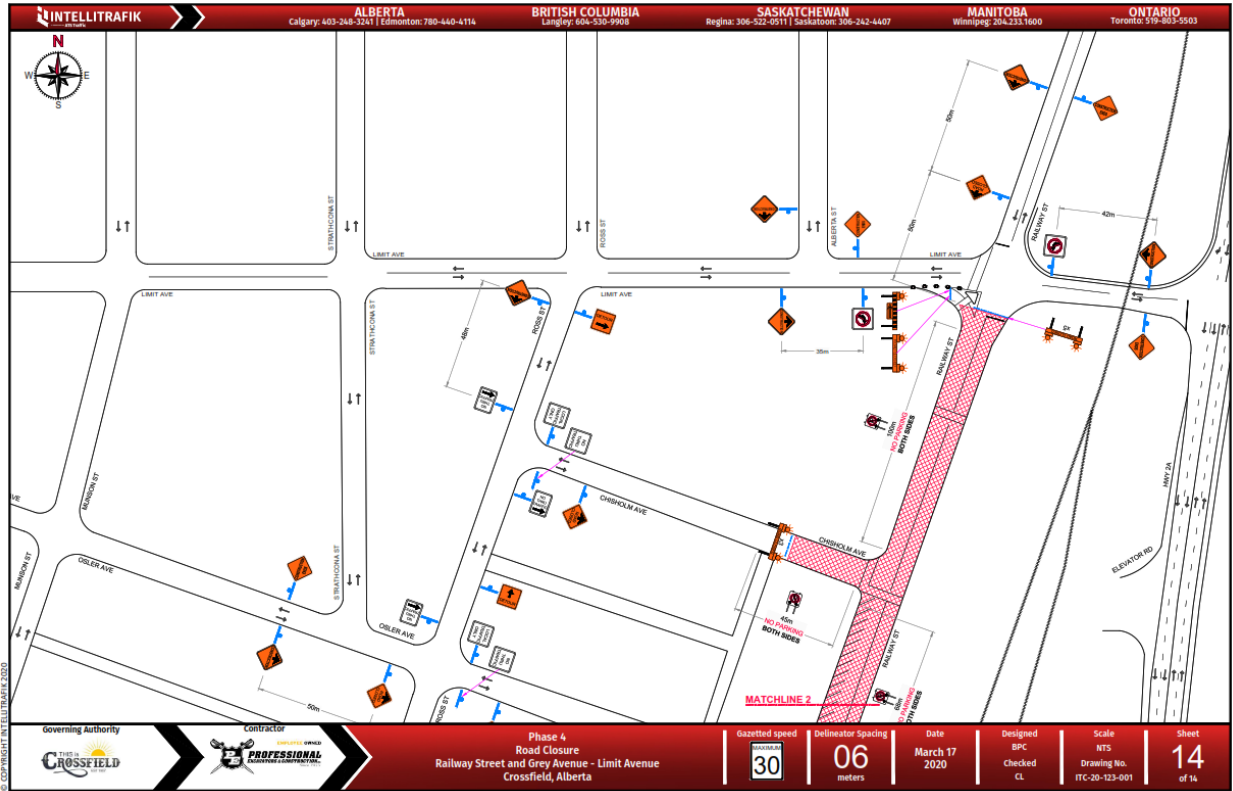


**APPENDIX E**

**Phase 4 Detour**



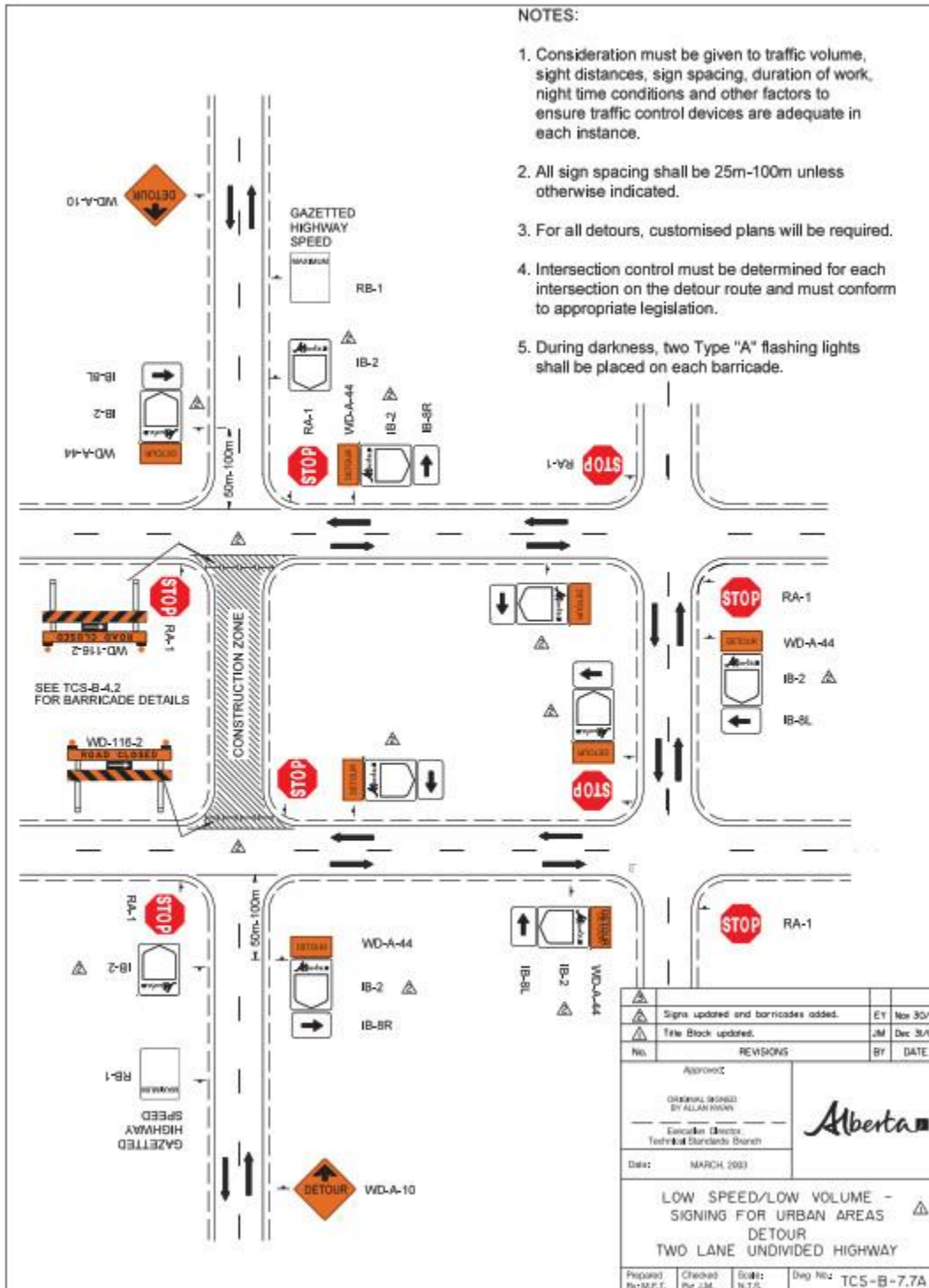








APPENDIX F-Signage to Be Used







**APPENDIX G- Emergency Response Plan**



HEALTH, SAFETY & ENVIRONMENTAL PROGRAM

EMERGENCY RESPONSE PLAN

Project Name: Railway St. Revitalization Job #: 4714

Location/Address to Project: Crossfield, Alberta

Designated Clinic: **Any worker needing medical attention shall contact Safety Department to arrange transportation and determine facility location.**

Nearest Hospital: Airdrie Community Health Center

Address: 604 Main Street S. Airdrie, AB Phone: 403 912 8400

**ANY WORKER REQUIRING ATTENTION FROM A HOSPITAL MUST BE TRANSPORTED TO THE FACILITY BY AMBULANCE**

Muster Point(s) Onsite: Job Trailer- Parking Lot North of Subway

Fire Extinguisher Location(s): All equipment, vehicles, and job trailer

First Aid Kit Location(s): All vehicles on site and job trailer

*First Aid Personnel onsite to be listed daily on site specific PSI.*

<b>Ambulance / Police / Fire</b>	<b>911</b>	<b>Gas &amp; Power</b>	<b>403-245-7222</b>
<b>City of Calgary</b>	<b>311</b>	<b>Alberta Environmental</b>	<b>1-800-272-9600</b>
<b>Occupational Health &amp; Safety</b>	<b>1-866-415-8690</b>	<b>Other</b>	

	<b>Name</b>	<b>Phone</b>
Project Lead	Mike Herrick	403-880-5153
Operations Manager	Scott Nyrose	403-512-2925
HSE Manager (24 Hours)	Kelsey Webster	403-863-8653
Project Manager/Business Liason	Scott Jenks	403-312-2832
Site Foreman	Ron Cail	587-583-4632
Town Of Crossfield	Mustafa Hashimi	403-629-6045
Stantec- Project Manager	Ben Haeusler	403-356-3273
Stantec-Project Coordinator	Graeme Nickle	403-312-0528

**EMERGENCY NUMBER FOR  
 FIRE - AMBULANCE - POLICE - HAZARDOUS MATERIALS SPILLS  
 911**

