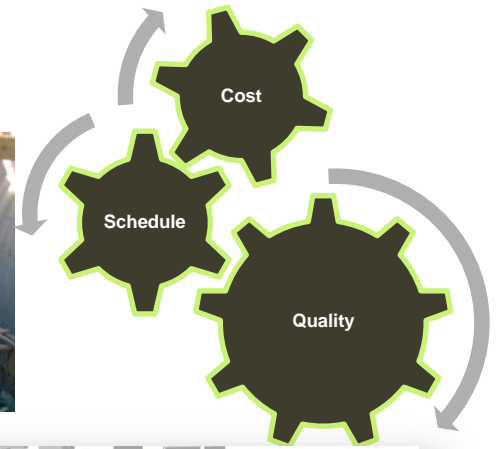


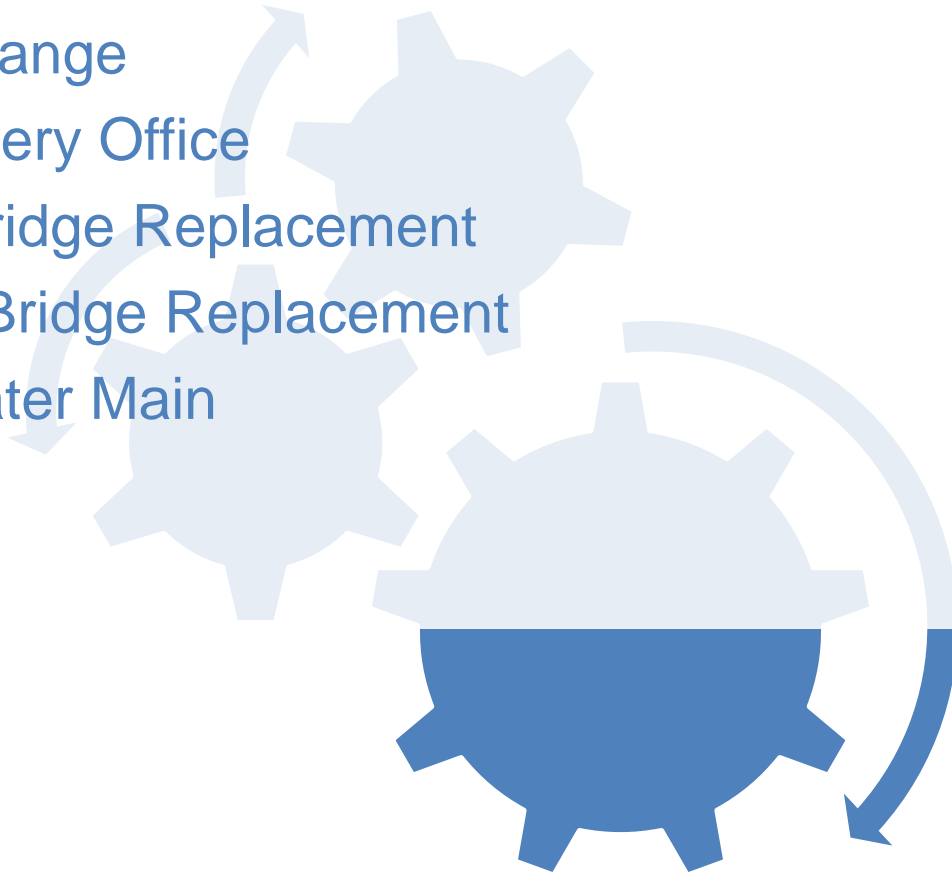
Major Projects Update

February 9, 2016



Outline

- Phibbs Exchange
- Project Delivery Office
- Montroyal Bridge Replacement
- Keith Road Bridge Replacement
- Capilano Water Main





Phibbs Exchange Preliminary Design

Jeffrey Busby, TransLink

Phibbs Exchange



Project Process

WINTER 2012

Phase 1

Conduct site analysis and develop evaluation framework



SPRING 2013 –
FALL 2013

Phase 2-4

Develop and evaluate exchange options. Refine preferred option.



FALL 2013

Phase 5

Complete final exchange concept and phasing plan



FALL 2014 –
FALL 2015

Phase 1-2

Refine concept design and complete schematic design

Stakeholder engagement

Public engagement



Council
update
June 2012



Council
update
May 2013



Council
update
Dec 2013



Council
update
Feb 2016

Design Partnership

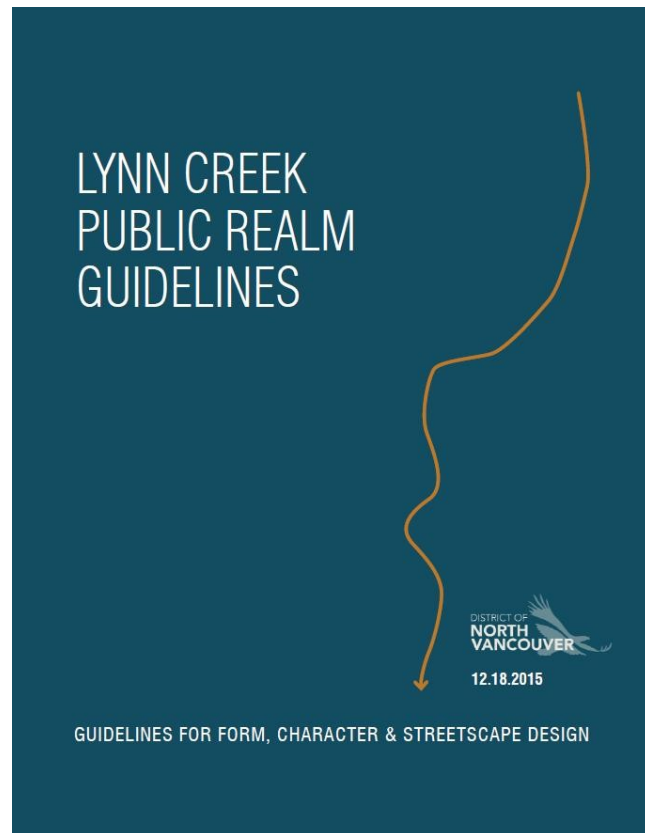
District of North Vancouver

TransLink

**Ministry of Transportation
and Infrastructure**



Design Partnership



Preliminary Design



Next Steps



Funding Strategy



Questions?



Project Delivery Office – What is it?

- Established in 2015
- Project Management Approach
- Capacity Building



Manager
Project Delivery

Development
Services
& Town Centres

Project Delivery
Services
(2015)

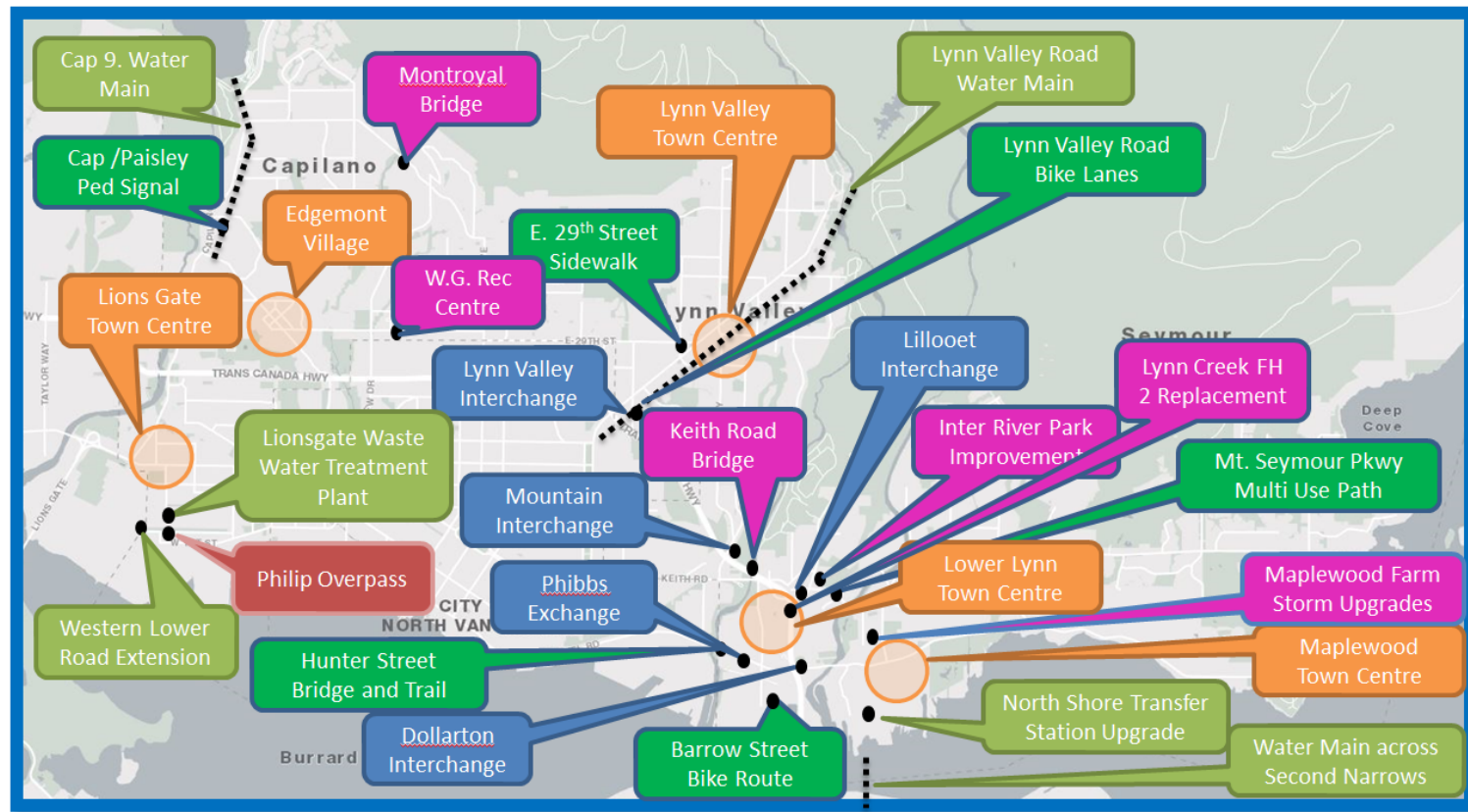
Traffic
Management
Services
(2014)



Major Projects Update - 2016



Sample of Major Projects in DNV – Next 5 years



MoTI Infrastructure
DNV Transportation Infrastructure

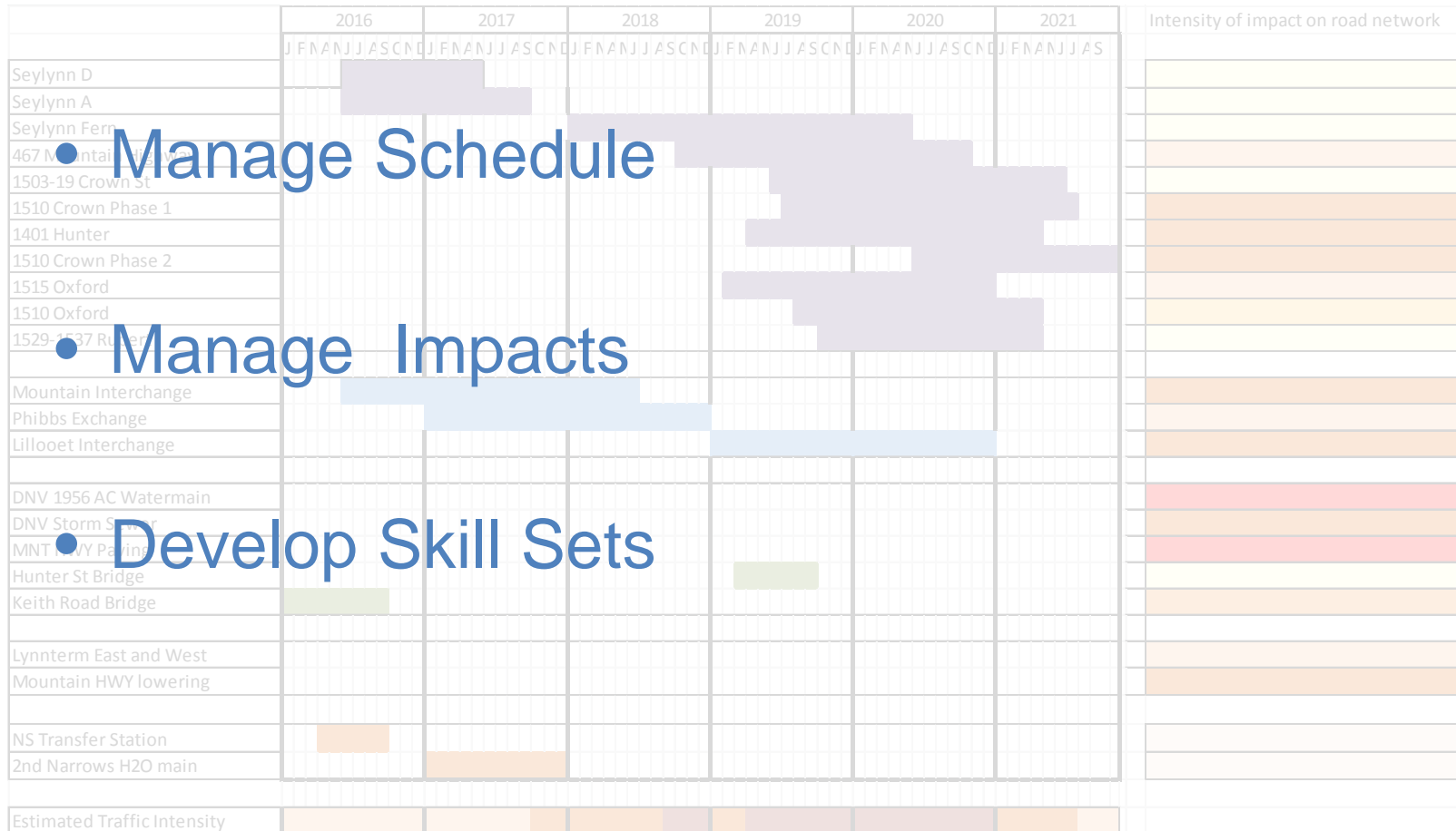
Major DNV Infrastructure
Port Metro Vancouver Infrastructure

Metro Vancouver Infrastructure
Town Centre / Development Area



Major Projects Update - 2016

2016 & Beyond



• Manage Schedule

• Manage Impacts

• Develop Skill Sets



Montroyal Bridge

- 60 Years Old
- Load Restricted
- Low earthquake resiliency
- In poor condition



Montroyal Bridge



Marr Creek Bridge – British Properties West Vancouver

75 year life

Bike lanes

Sidewalks

Improved Trail
Experience



Major Projects Update - 2016



Major Projects Update - 2016

Montroyal Bridge

Challenges:

- Constrained Project Site
- Traffic Management
- 3rd Party Utility Coordination



Montroyal Bridge



Montroyal Bridge

Current Status

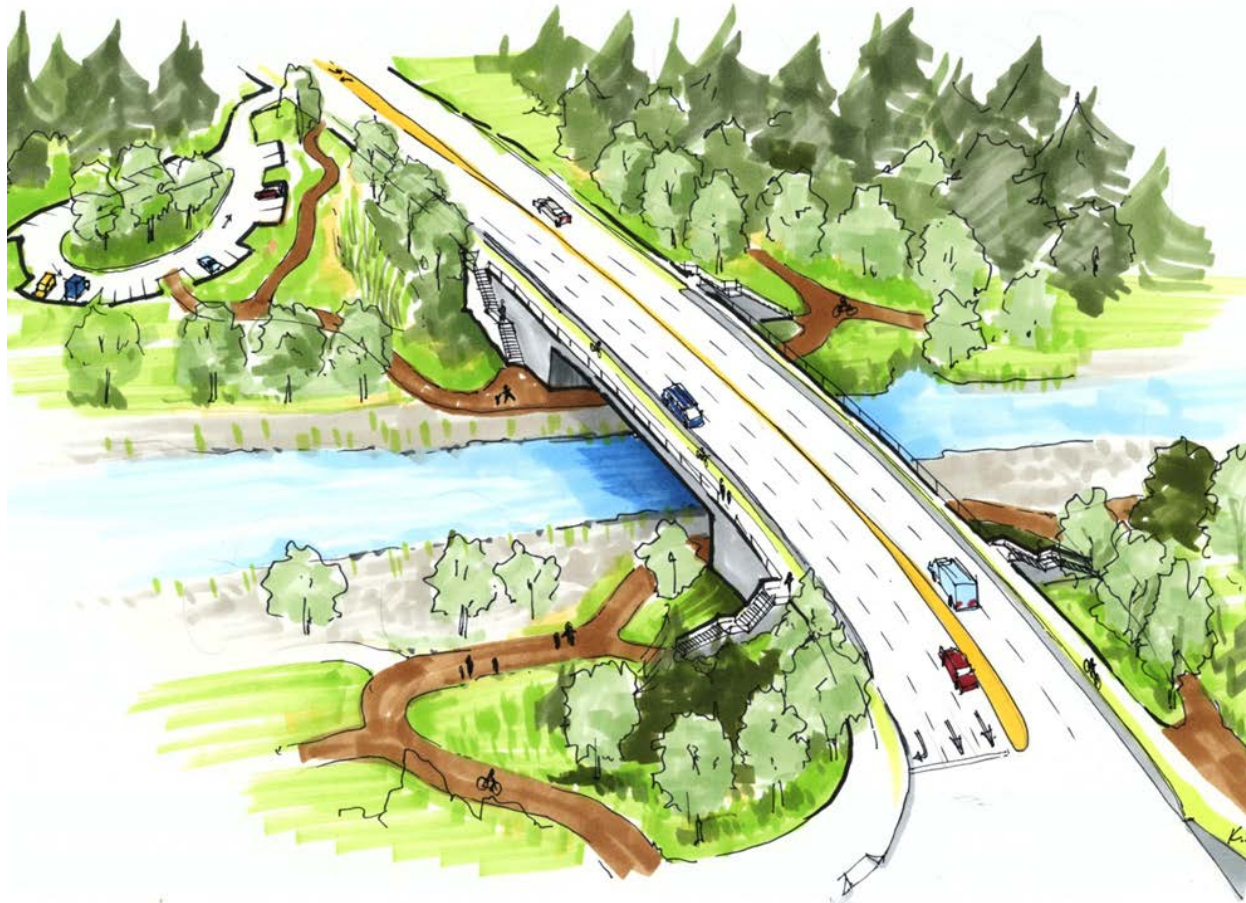
- Preliminary Design Stage
- Design Builder Selected
- Target Completion – December 2016

Budget

- Total Project Cost \$4.6M



Keith Road Bridge



Keith Road Bridge

Started: May 2015

Target Completion:
September 2016

Budget: \$14.5M



Keith Road Bridge

Challenges:

- Constrained Project Site
- Traffic Management
- Third Party Utility Coordination



Keith Road Bridge

Successes:

- Pre-qualified Contractor
- Construction Traffic Management
- Communication
- Stakeholder Engagement
- Improved park and trails



Photo courtesy of NS News.
Mike Wakefield, Photographer



Keith Road Bridge



Major Projects Update - 2016

Capilano Water Main

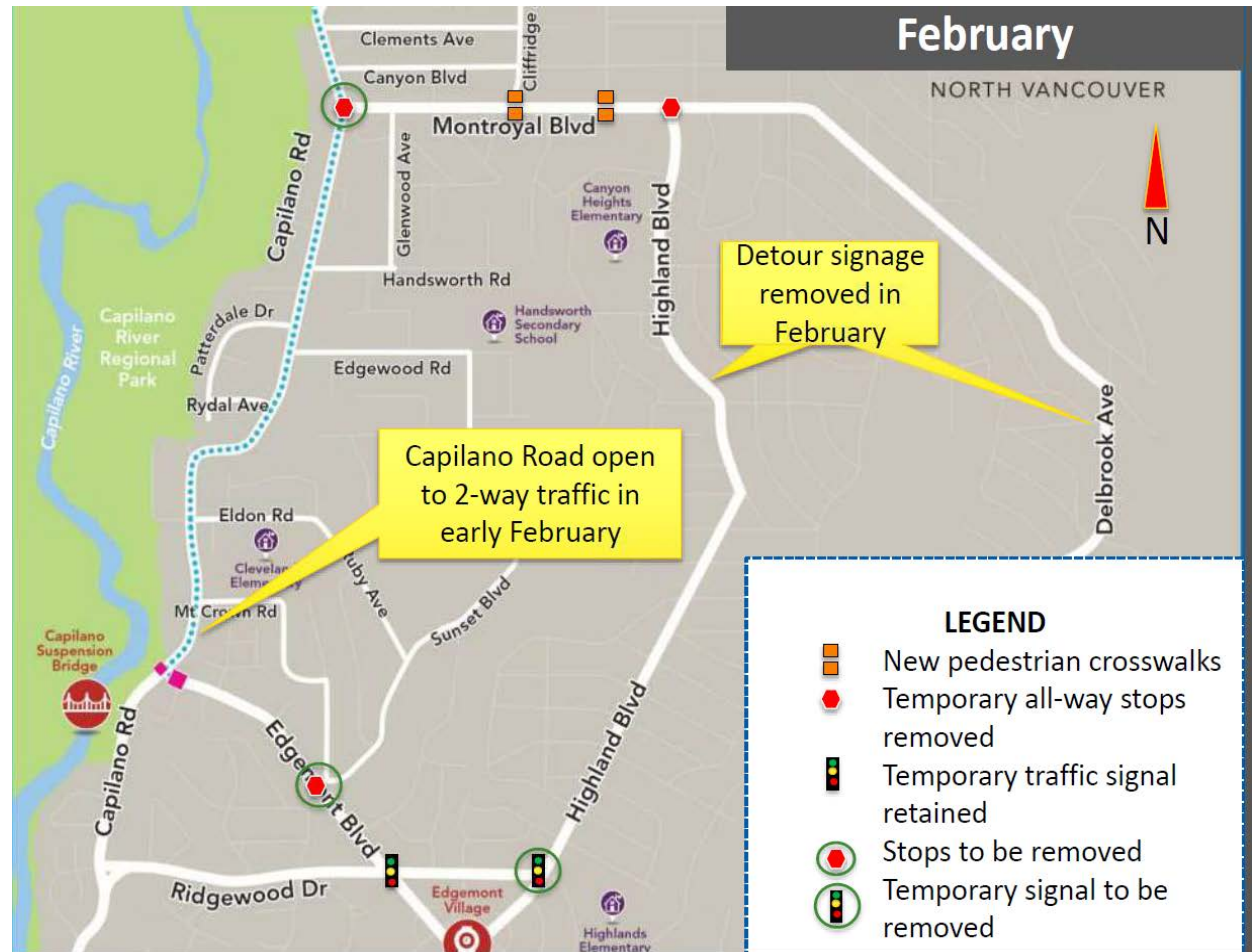


Major Projects Update - 2016



Major Projects Update - 2016

Detour Removal



Source: Metro Vancouver, Community Working Group, January 27, 2016



Capilano Road Improvements

New sidewalks

Bicycle lanes and signage

Highland Boulevard plan

Sidewalk near Highland Elementary

MacKay Creek Trail
environmental restoration



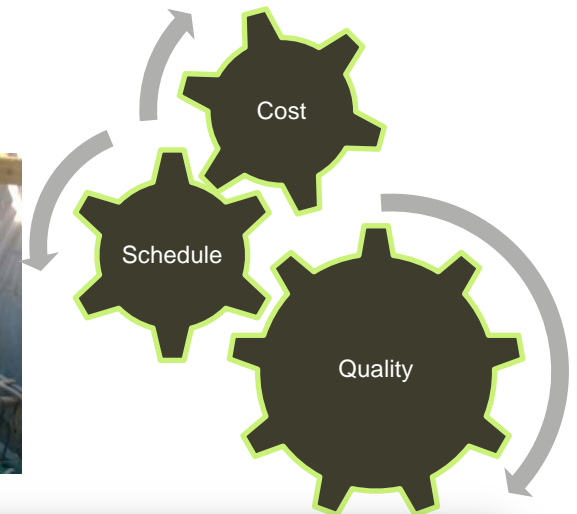
East side of Capilano Road
to get a new sidewalk



Thank you



Project Delivery



Major Projects Update - 2016

Philip Overpass



Major Projects Update - 2016

Philip Overpass

- Opening June 2016
- \$26.6M Budget
 - DNV contributes 1%



North Shore Transfer Station

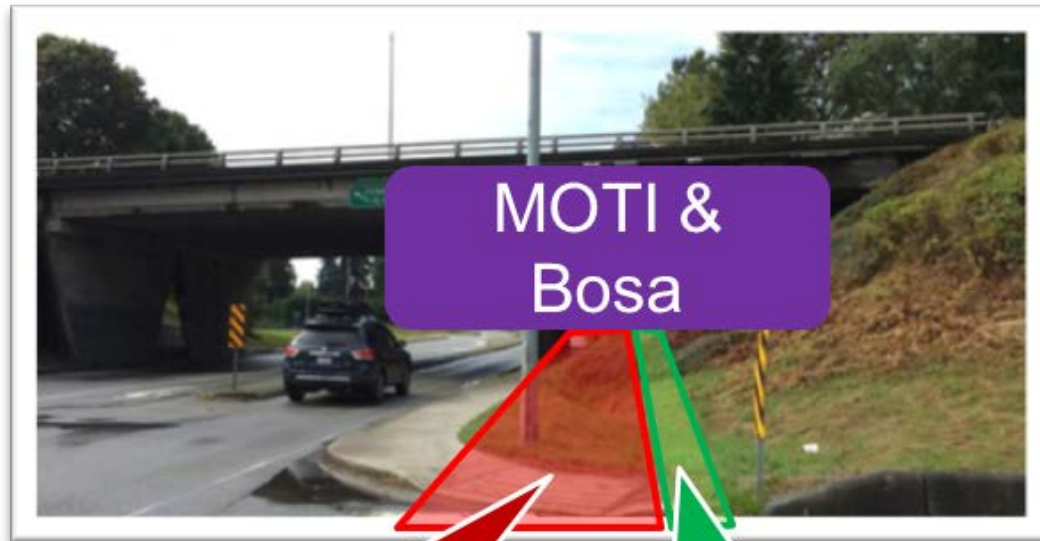
Reconfiguration
of existing
facility

Spring 2016



Major Projects Update - 2016

Lynn Valley Road Underpass



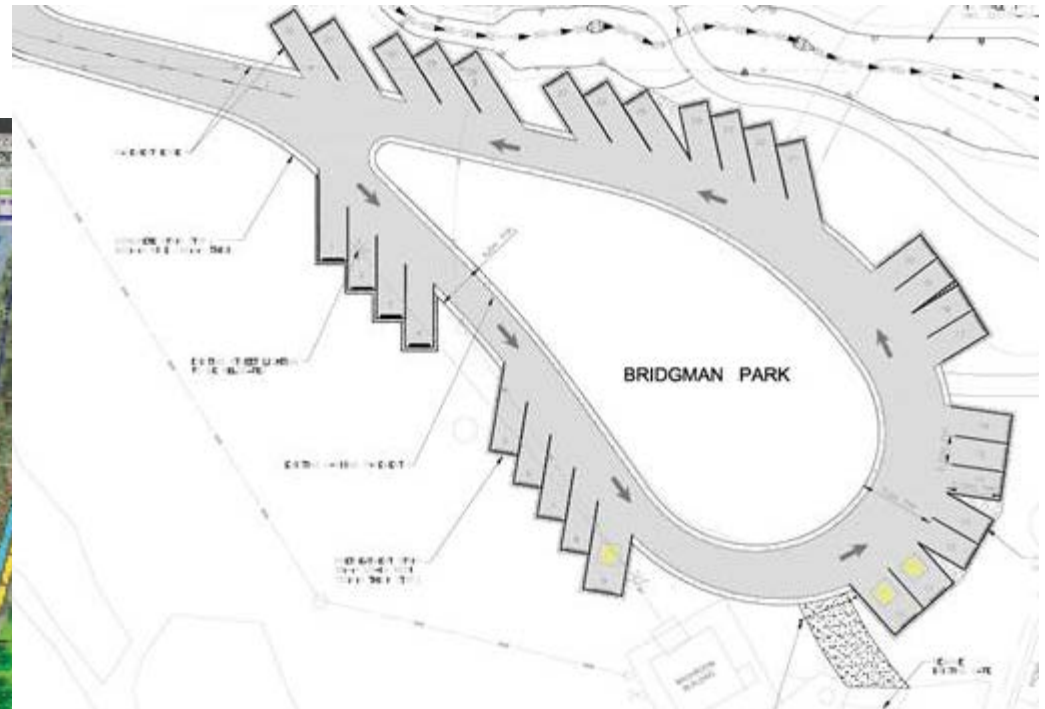
MOTI &
Bosa

2nd Vehicle
lane

Bike/
pedestrian
facility



Keith Road Bridge



Major Projects Update - 2016

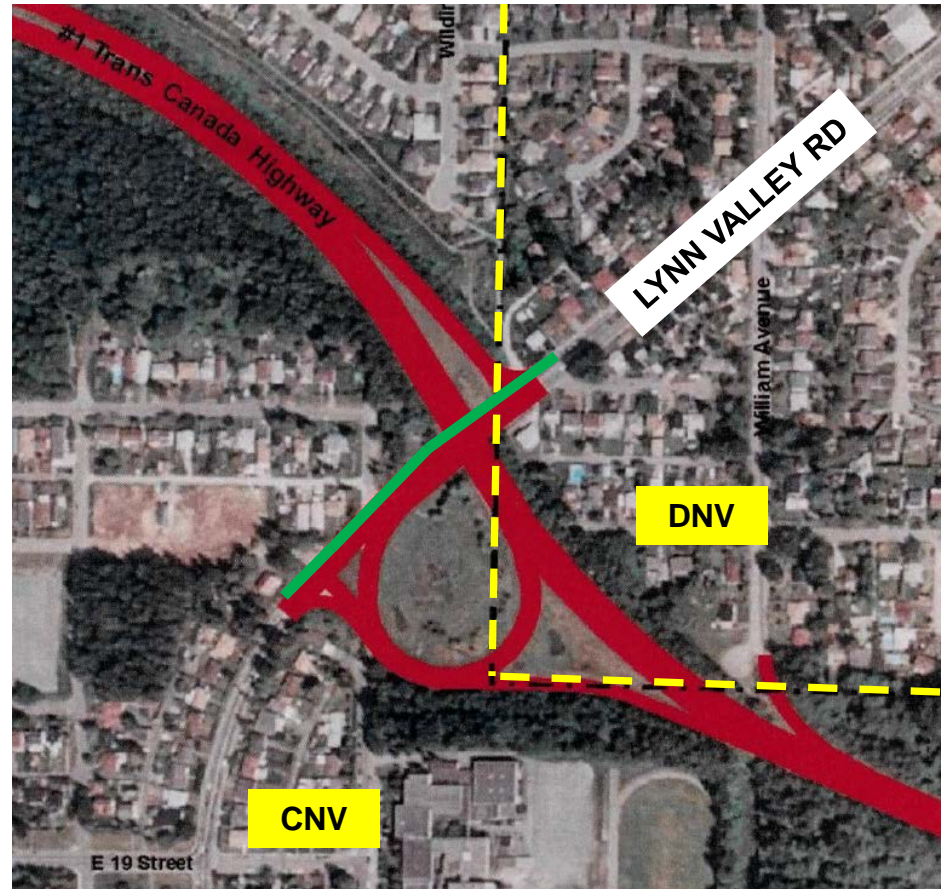
Keith Road Bridge



Major Projects Update - 2016

Lynn Valley Road Underpass

- Stakeholders
- Resource Requirements
- Traffic Management



Lynn Valley Road Underpass

- \$1.6M - Bosa
- Additional s/b lanes
- Bike Lane
- Pedestrian safety

