



North East Link Bentley Presentation

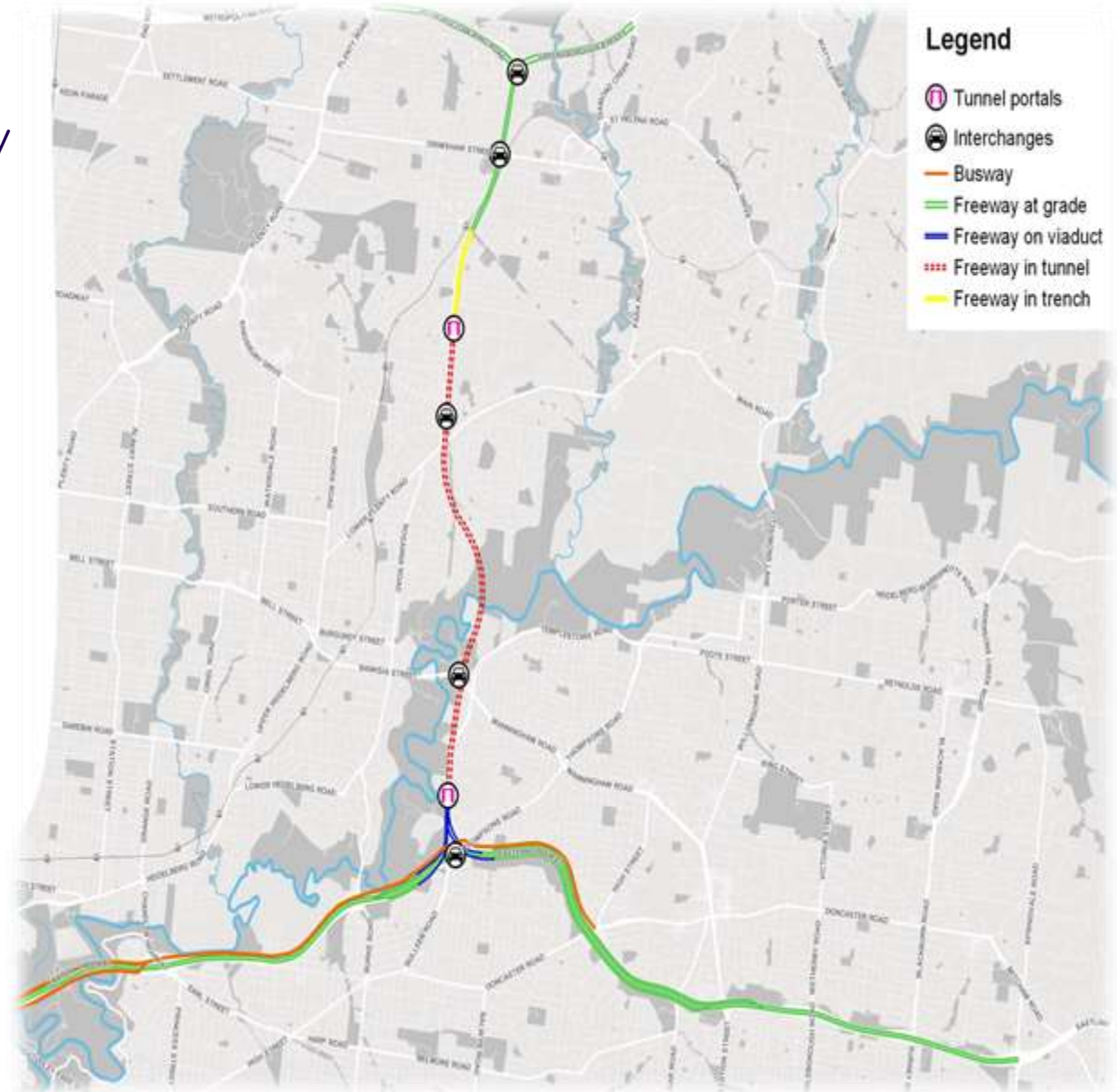
27 November 2019

**VICTORIA'S
BIG BUILD**



Project Overview

- 12 km link between the M80 and Eastern Freeway
- 5 new interchanges:
 - M80 Ring Road
 - Grimshaw Street
 - Lower Plenty Rd/Greensborough Rd
 - Manningham Road/Bulleen Road
 - Eastern Freeway
- 6 km of twin 3-lane tunnels
- 15 km upgrade to the Eastern Freeway
- 11 km dedicated Doncaster Busway
- 25 km of new and improved shared use paths
- Fully Managed Motorway



Design

- Project Co to Design the complete corridor, but construct PPP Section only
- Secondary Packages will be majority construct only

Design Review

- Design Packages will be reviewed by NELP, Stakeholders and Independent Reviewer (IREA)
- Design Packages will incorporate PDF, CAD, GIS and Digital Engineering from the commencement of project which includes Tender Phase
- CAD and Digital Engineering deliveries will be reviewed by NELP and IREA
- Design CAD and Digital Engineering Classification / Naming Convention to be consistent throughout Project lifecycle
- Design to be incorporated into an Asset Management Database (State Government VDAS Framework)

Design CAD Challenges

- Project design disciplines include Road, Structures, Rail, Melbourne Water, Multiple Councils and Utility Services Providers
- Current DoT Roads (VicRoads) Drawing / Delivery Guidelines are outdated and inadequate to meet our project requirements
- Stakeholders have their own delivery and CAD guidelines
- Roads and Rail workspaces do not correlate with each other
- Design House Consultants have developed their own systems including Digital Engineering Classifications and CAD Naming Conventions
- Construction Companies / Surveyors have developed their own systems including Classifications and Naming Conventions
- All disciplines use different software

NELP Design Requirements

- Digital Engineering Classifications and CAD Naming Conventions to be consistent and to be transferred to an Asset Management System
- NELP Specification has stated their requirements for Digital Engineering, CAD and GIS
- Bidders need to provide their proposed framework for Digital Engineering, CAD and GIS in December 2019
- NELP has provided a NELP CAD Naming Convention for all bidders as an example, but will review any potential changes or alternate Classifications and CAD Naming Convention
- NELP are willing to share any potential system and learnings with DoT Roads (VicRoads), MRPV and consultants

Thank You - Questions