

Expanded Information Summary – Whitemud Drive/17 Street Interchange Construction

Whitemud Drive is the main east-west route and part of the inner ring road in the southern half of Edmonton. It functions as a major east-west express connector and is a significant goods movement corridor within the city. This route serves the adjacent industrial, business and residential communities that border it.

The Transportation Master Plan 2009 has identified Whitemud Drive as part of the Inner Ring road with higher standards of free flowing traffic. 17 Street is also identified as an arterial roadway within the City's arterial network plan.

The current intersection type for Whitemud Drive – 17 Street is a diamond at-grade design. Upgrading and widening of the interchange and roadways are required to enhance goods movement in the City of Edmonton.

The budget for this project was approved in the City's 2009-2011 Capital Budget plan in December 2008.

SCOPE OF WORK - 2 Year Contract

Items related to construction of the bridge structure include, but are not limited to, the following:

- Excavation
- Backfill
- Installation of HP 310 x 125 Piles
- Construction of concrete abutments
- Supply, fabrication, delivery and erection of girders (concrete)
- Construction of concrete deck, median barrier and barriers
- Construction of concrete approach slabs and sleeper slabs
- Construction of Mechanically Stabilized Earth (MSE) walls
- Miscellaneous iron
- Reinforcing steel
- Filter fabric and perforated PVC drain with filter sock
- Ducts and conduits
- Concrete sealer
- Approach transition rail (Modified Thrie Beam Connection)
- PMA wearing surface (on bridge deck and approach slabs)
- Pile Driving Analyzer (PDA) Testing
- Scour Stop (Drain Trough)

Items Related to the Construction of the Roadway include, but are not limited to, the following:

- Removal of the existing roadway, including asphalt removal, concrete removal, and common excavation.
- Surface and underground drainage works.
- Protection of underground utilities.
- Erosion and sedimentation control measures.
- Placement of fill, granular base, concrete flatwork and curb and gutter, asphalt concrete pavement.
- Site restoration.
- Traffic accommodation, including maintenance of construction access roads.
- Stripping and grubbing of areas to be excavated or filled.
- Installation of median barriers
- Placement of temporary barriers