

# ANTHONY HENDAY DRIVE



## HIGHLIGHTS:

### DESCRIPTION:

Highway construction and reconstruction works

### LOCATION:

Edmonton, AB

### CLIENT:

Alberta Transportation

### PROJECT COMPLETED:

October 2016

### NU GIRDERS USED:

860 ranging from 25M to 58M Long

### TOTAL LENGTH GIRDERS PLACED END TO END:

34KM

## THE PROJECT

Anthony Henday Drive (Highway 216) is a barrier free, free flow highway that is 78-kilometre long and represents Alberta's first completed ring road. The urban freeway project included 78 km of newly constructed six and eight-lane divided freeway. It also involved 44 bridge structures using precast concrete NU Girders.

## THE SCOPE

The project consisted of roadway construction, grade separation (underpass, overpass, and tunnels), rail works, utility works and demolition. In addition, the project required expertise in project management, construction staging, a good health and safety track record, overcoming environmental challenges, traffic management, and the employment of local workforce and a multi-disciplinary construction team.

## LAFARGE PARTICIPATION

Lafarge was a design-build joint venture partner on the two stages of the project (SEAHD & NEAHD) and we supplied aggregates, ready mix concrete, concrete pipe, precast girders, precast MSE wall panels, Precast soffit panels, and roadway barriers on all stages. Lafarge also provided construction services for trenchless utilities, concrete curb, gutter and sidewalk, asphalt paving and operation & maintenance (O&M) services.



Alberta Transportation initiated the project with construction starting on the South West section of the Anthony Henday Drive. The remaining sections including the SouthEast, North East, North West and Stoney Plain interchange were all completed through a Public-Private-Partnership (P3) process with the South East section of the Anthony Henday also being Alberta's first P3 project.

For the NEAHD section of the project, Lafarge supplied materials and elements included 100,000 m<sup>3</sup> ready mix concrete, 3.7M tonnes of road base aggregate, 1M tonnes of asphalt, 12,000 tonnes of concrete pipe, over 400 bridge girders and 165 lane km of roadway maintenance during construction.

