LAFARGE

OPERATIONS & MAINTENANCE

SOUTHEAST ANTHONY HENDAY DRIVE

RING ROAD

EDMONTON, AB

QUICK FACTS

AVERAGE ANNUAL DAILY TRAFFIC:
125,000

TOTAL CONTRACT TERM:
30 YEARS

CONTRACT MODEL:
PERFORMANCE

LAFARGE'S ROLE:
O&M CONTRACTOR

PROJECT OVERVIEW

Southeast Anthony Henday Drive is a portion of Edmonton's massive ring road. Lafarge maintains and repairs this roadway as part of a 30-year contract with Alberta Transportation.

The contract is performance based and includes year round maintenance, repairs, and emergency management. Lafarge's specialized operations and quality management teams have a deep and thorough understanding of safe highway maintenance in urban areas, making us one of Western Canada's foremost roadway maintenance contractors.

This portion of the massive roadway Includes 160 lane kms of roadway, 20 bridge structures, two bridge culverts, 32 sign structures, two systems interchanges, three interchanges, four signalized intersections, 8,000m of sidewalk, and 1,050 street light fixtures.

FOR MORE INFORMATION, CONTACT US:

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EFFECTIVE LEADERSHIP

PROJECT SPONSOR/VP

PREZ SKIBA

CONTRACT MANAGER

MARK DUBBELBOER

SOUTHEAST ANTHONY HENDAY DRIVE RING ROAD

ONE-STOP SERVICE OFFERING WITH LAFARGE

Lafarge is Alberta Transportation's operations and maintenance contractor for the southeast portion of the Anthony Henday Drive ring road. We are responsible for all aspects of highway maintenance including:

- roadway inspections;
- emergency response/imminent danger response;
- winter maintenance operations;
- pavement geometrics;
- delineators;
- roadway lighting;
- barriers and guardrail;
- grass cutting;
- vegetation control;
- litter clean-up;
- drainage;
- systems;
- concrete curb and gutter;
- sidewalks ;
- sideslopes and backslopes;
- signs;
- traffic signals;
- pavement markings, and
- bridge structures.

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QUALITY ACROSS SCOPES

- STATE OF THE ART QUALITY ASSURANCE PROCESSES
- COLLABORATIVE SCHEDULING
- POWERFUL RESOURCE ALLOCATION AVAILABILITY
- PROJECT SPECIFIC HEALTH AND SAFETY PLAN
- ONGOING COMMUNICATION WITH EMERGENCY SERVICE STAKEHOLDERS

SOUTHEAST ANTHONY HENDAY DRIVE RING ROAD

COLLABORATIVE PROBLEM SOLVING

Southeast Henday includes three flyover structures that are challenging to access. Lafarge is responsible for operations and maintenance of traffic signals on the Henday project. Traffic signals are often in close proximity to municipal traffic signals. The two systems were designed independently, and did not result in optimal traffic movement. Collaboration between Lafarge and the municipal traffic signal division synchronized traffic timing cycle length to optimize traffic signal timings and improve traffic movements.

To reduce costs and allow flexibility in equipment requirements, Lafarge integrated their seasonal construction fleet for winter maintenance purposes. Additional graders, loaders, and skidsteers have been made available from our asphalt, construction, and readymix equipment fleets to meet the increased performance standard of moving to a AAA class roadway.

Our experience has taught us that no two winter storm events are the same, and to effectively and efficiently respond to a storm event requires flexibility in response. To address this, we have developed a Maintenance Decision Support System that gives parameters at which different materials become less or more effective. With this tool, we have learned that separate stockpiles of high quality sand and salt must be kept as well as liquid chemicals. Using washed manufactured sand that does not freeze allows us to apply direct aggregate in severe cold storm events where chemical is not appropriate. We are able to pre-mix the materials to the ratio that is best suited for the forecasted storm and make last minute adjustments as conditions change during a storm event.

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PROJECT IMAGES

SOUTHEAST ANTHONY HENDAY DRIVE RING ROAD