

# Carty Road Reconstruction

(NE 10th Avenue – NW Hillhurst Road)

## Clark County



### Project Goal:

- Replace existing undersized failing culvert with a fish passable structure
- Roadway safety upgrades: improve roadway sight distance; install guardrail; and pavement reconstruction

### Project Outcome

- Removal of the undersized failing steel culvert
- Completion of a fish passable concrete structure and stream enhancement
- Completion of safety upgrades: sight distance has been increased, guardrail has been installed and new pavement has been placed.

### Project Information

**Federal Funding Program:** STP Rural Program

**RTC Awarded Funding:** \$1,300,000

**Total Project Cost:** \$2,353,000

**Project Type:** Road Improvement

**Project Length:** 2.37 miles

**Function Classification:** 07 Rural Major Collector

**Daily Traffic Volume:** 1,097 ADT

### Project Description

The Carty Road Reconstruction project entails replacing and existing undersized, failing culvert with a fish passable structure, roadway sight distance improvements, guardrail installation and pavement reconstruction.

Improvements include replacing the failing culvert with a new structure meeting hydrologic and fish passage requirements. Construction also included in-stream grade control structures, rip-rap, localized roadway widening to accommodate the structure, pavement reconstruction and guardrail installation.

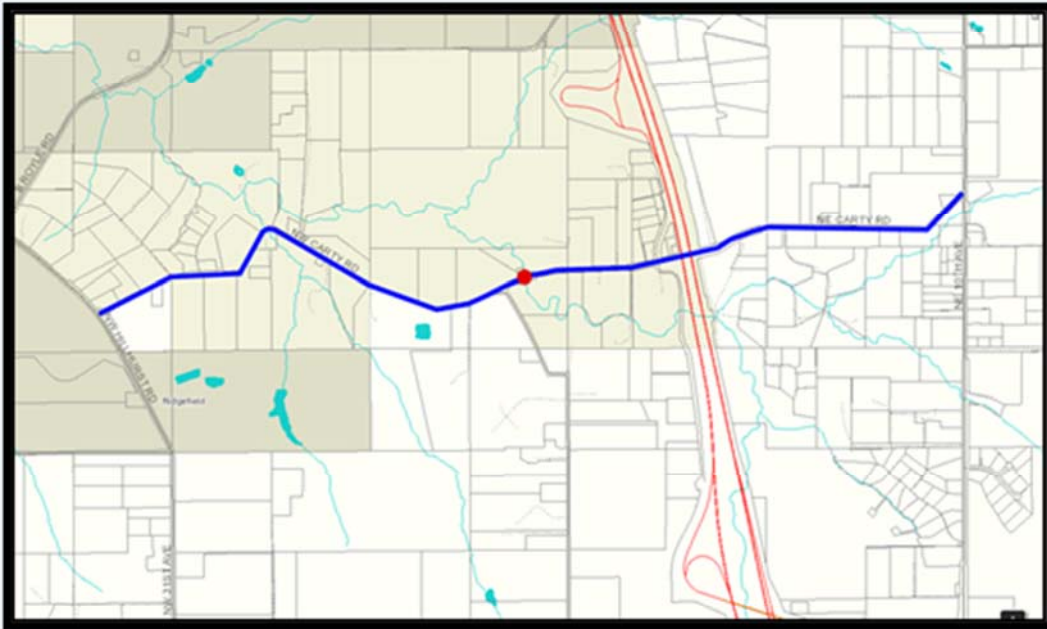
### Project Funding

Phase	Year	Federal Funds	County	CRAB/RAP	Total
PE	2013	\$ 30,000	\$ 272,000	\$ 119,000	\$ 391,000
ROW	2013	N/A	\$ 47,000	N/A	\$ 47,000
CN	2016	\$ 1,270,000	\$ 570,000	\$ 156,000	\$ 1,840,000
<b>Total</b>		<b>\$ 1,300,000</b>	<b>\$ 778,000</b>	<b>\$ 275,000</b>	<b>\$ 2,353,000</b>

## Project Outcome Details

- Replaced a failing culvert that was threatening to undermine an important roadway serving the City of Ridgefield.
- Improved sight distance along the corridor and at the NW Carty Road/NW Ecklund Road intersection.
- Added and upgraded guardrail to improve safety and reduce injury from run-off road collisions.
- Rehabilitated 23 year old pavement with a new asphalt overlay.
- Provided a fish passable structure and channel enhancements.

MAP



Before – Culvert



After – Structure



Before – no guardrail



After – guardrail



Before – limited sight distance



After – improved sight distance



Culvert Replacement – Removal and Under Construction

