ISLAND COUNTY PUBLIC WORKS DEPARTMENT

Miscellaneous Guardrail Projects

Program Description

This ongoing work program focuses on guardrails throughout Island County. Existing guardrail sites will be inspected to determine if any portion of the system needs to be upgraded due to wear and tear that occurs over the course of its serviceable life. This program also will evaluate and prioritize sites for new guardrail to be designed and installed, based on the availability of funds.

Current TIP Year: 2015-2020  TIP #: 1

Project Benefits

Mobility and Safety: Statistics show that many traffic collisions in Island County involve a single vehicle running off the road. Guardrail is a proven and effective way to mitigate “run-off-the-road” collisions. Guardrail systems are designed to help reduce the severity of injuries for vehicle occupants by keeping the departing vehicle on the roadway in areas with steep slopes or other fixed objects.

Amount Allocated on Current TIP

Costs are in 2014 dollars.

<table>
<thead>
<tr>
<th></th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preliminary Engineering/Design</td>
<td>$60,000</td>
</tr>
<tr>
<td>Right-of-way</td>
<td>$0</td>
</tr>
<tr>
<td>Construction</td>
<td>$600,000</td>
</tr>
<tr>
<td>Total</td>
<td>$660,000</td>
</tr>
</tbody>
</table>

Anticipated Schedule

Preliminary Engineering/Design: ongoing
Right-of-way: ongoing
Construction: ongoing

Contact Information

Spencer Keane
Traffic Engineer
360-678-7953
S.Keane@co.island.wa.us

For more information on projects in your neighborhood visit the Island County Public Works Website at: http://www.islandcounty.net/PublicWorks/
Program Description
This ongoing annual work program focuses on preservation and maintenance of roadways throughout Island County. Roads identified in the County’s annual program are based on recent road conditions and on site evaluation of surface needs and a number of factors.

Current TIP Year: 2015-2020  TIP #: 3

Project Benefits
**Mobility and Safety:** This program reduces the likelihood of deterioration on roads throughout Island County. Preserving the existing road network ensures that residents and visitors will be able travel throughout the county for many years to come.

**Economic:** Making relatively minor investments to maintain the road network is the best use of limited funds. Costs for overlays before the road subsurface is damaged are far lower than the alternative of full road reconstruction.

Anticipated Schedule
Engineering/Design: ongoing
Construction: Typically begins in July
(preparatory work may begin in April)

Amount Allocated on Current TIP
Costs are in 2014 dollars.

<table>
<thead>
<tr>
<th></th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering/Design</td>
<td>$120,000</td>
</tr>
<tr>
<td>Right-of-way</td>
<td>$0</td>
</tr>
<tr>
<td>Construction</td>
<td>$1,938,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$2,058,000</strong></td>
</tr>
</tbody>
</table>

Contact Information
Joseph S. Araucto, P.E.
Construction Engineer
360-679-7331
JoeA@co.island.wa.us

For more information on projects in your neighborhood visit the Island County Public Works Website at:
http://www.islandcounty.net/PublicWorks/
Program Description
This ongoing work program focuses on minor safety improvements throughout Island County. Locations with a collision patterns and deteriorating levels-of-service are evaluated for potential improvements and prioritized based on several factors.

Current TIP Year: **2015-2020**  TIP #: **4**

Project Benefits
**Mobility and Safety:** Typical projects for this program are aimed at reducing vehicle conflicts and delays at intersections. Specific treatments and improvements vary by location. Each project brings meaningful safety benefits and mobility enhancements through proven engineering solutions.

Amount Allocated on Current TIP
*Costs are in 2014 dollars.*

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preliminary Engineering/Design</td>
<td>$150,000</td>
</tr>
<tr>
<td>Right-of-way</td>
<td>$360,000</td>
</tr>
<tr>
<td>Construction</td>
<td>$660,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$1,170,000</strong></td>
</tr>
</tbody>
</table>

Anticipated Schedule
- Preliminary Engineering/Design: ongoing
- Right-of-way: ongoing
- Construction: Summer 2015

Contact Information
Spencer Keane  
*Traffic Engineer*  
360-678-7953  
*S.Keane@co.island.wa.us*

For more information on projects in your neighborhood visit the Island County Public Works Website at:  
[http://www.islandcounty.net/PublicWorks/](http://www.islandcounty.net/PublicWorks/)
Shoulder Widening Program

Program Description
This ongoing work program focuses on installing shoulders on arterial and collector roadways throughout Island County. Potential sites will be evaluated and prioritized for new shoulder construction based on traffic volumes, traffic accident history, roadway conditions, and the availability of funds. Right-of-way needs will be identified and acquired where necessary.

Current TIP Year: 2015-2020  TIP #: 6

Project Benefits
Mobility and Safety: Shoulders are an important safety component for all road users. Bicycle riders and pedestrians benefit by having space to travel that is separated from motor vehicles. Providing shoulders gives motorists some space to correct an errant vehicle or to pull over in case of an emergency. Shoulders also help preserve the traveled way by keeping vegetation and debris at a distance, and help provide greater opportunity to spot wildlife entering the roadway.

Amount Allocated on Current TIP
Costs are in 2014 dollars.

<table>
<thead>
<tr>
<th>Service</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preliminary Engineering/Design</td>
<td>$120,000</td>
</tr>
<tr>
<td>Right-of-way</td>
<td>$760,000</td>
</tr>
<tr>
<td>Construction</td>
<td>$1,520,000</td>
</tr>
<tr>
<td>Total</td>
<td>$2,400,000</td>
</tr>
</tbody>
</table>

Anticipated Schedule
Preliminary Engineering/Design: ongoing
Right-of-way: ongoing
Construction: ongoing (summers)

Contact Information
Paul Nettleton  
Engineering Technician  
360-679-7337

For more information on projects in your neighborhood visit the Island County Public Works Website at:
http://www.islandcounty.net/PublicWorks/
Program Description
This ongoing work program focuses on realigning intersections throughout Island County. In 2015, the program anticipates beginning the process of designing the improvements at Crescent Drive and Reservation Road.

Current TIP Year: 2015-2020  TIP #: 7

Project Benefits
Mobility and Safety: Realigning intersections is an effective way to reduce the frequency and severity of collisions resulting from limited sight distance and awkward sight lines.

Amount Allocated on Current TIP
Costs are in 2014 dollars.

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering/Design</td>
<td>$120,000</td>
</tr>
<tr>
<td>Right-of-way</td>
<td>$180,000</td>
</tr>
<tr>
<td>Construction</td>
<td>$300,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$600,000</strong></td>
</tr>
</tbody>
</table>

Anticipated Schedule
Engineering/Design: ongoing
Right-of-way: ongoing
Construction: ongoing (summers)

Contact Information
Joseph S. Arauco, P.E
Construction Engineer
360-679-7331
JoeA@co.island.wa.us

For more information on projects in your neighborhood visit the Island County Public Works Website at: [http://www.islandcounty.net/PublicWorks/](http://www.islandcounty.net/PublicWorks/)
New County Road: Race Road to Houston Road Connector

Project Description
This project will create a new rural road that will serve as an alternative route and link between central and south Whidbey Island during emergency closures of SR 525. Located between Houston and Race Roads, the new 1.5 mile road will include 11 foot wide lanes with 4 foot shoulders.

Secured grant funds: $1,184,000
Remaining funds needed: $7,050,000

Current TIP Year: 2015-2020  TIP #: 9/10

Project Benefits
Mobility: Provides a critical bypass route to SR 525.

Economic Vitality: The new road will preserve vital access to goods, services and public transportation.

Amount Allocated on Current TIP
Costs are in 2014 dollars.

<table>
<thead>
<tr>
<th>Phase</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preliminary Engineering</td>
<td>$170,000</td>
</tr>
<tr>
<td>Right of Way</td>
<td>$500,000</td>
</tr>
<tr>
<td>Construction</td>
<td>$6,300,000</td>
</tr>
<tr>
<td>Total</td>
<td>$6,820,000</td>
</tr>
</tbody>
</table>

Anticipated Schedule
Project is currently in the preliminary engineering and design phase. Right of Way acquisition is estimated to be completed by May 2016.

Contact Information
Connie Bowers
Assistant County Engineer
360-679-7336
ConnieB@co.island.wa.us

For more information on projects in your neighborhood visit the Island County Public Works Website at:
http://www.islandcounty.net/PublicWorks/
Boon Road Improvement Project Phase 1

Project Description
Island County Public Works proposes to improve the safety of Boon Road between State Route 20 and Fort Nugent Road in two phases. Phase 1 will include the following construction features on the south portion of Boon Road:
- Reconstruct vertical curves to current design standards.
- Upgrade storm water facilities.
- Resurface and widen Boon road to provide 11 foot wide travel lanes and 4 foot wide paved shoulders.

Note: The north end of Boon Road will be improved under Phase 2. A schedule and a budget for this later phase has not been determined.

Current TIP Year: 2015-2020  TIP #: 11

Project Benefits
Mobility and Safety: Reduced potential for collisions of various types including head on crashes, side swipe crashes, fixed object crashes and pedestrian and Bicycle crashes. Roadway drainage will be improved and there will be increased room for emergency stopping, bicycles and pedestrians.

Amount Allocated on Current TIP
Costs are in 2014 dollars.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Preliminary Engineering</td>
<td>$340,000</td>
</tr>
<tr>
<td>Right of Way</td>
<td>$400,000</td>
</tr>
<tr>
<td>Construction</td>
<td>$2,200,000</td>
</tr>
<tr>
<td>Total</td>
<td>$2,940,000</td>
</tr>
</tbody>
</table>

Anticipated Schedule
Preliminary Engineering/Design: 2013-2014
Construction: 2015-2016

Contact Information
Doug Holbert
Civil Engineer
360-679-7958
DougH@co.island.wa.us

For more information on projects in your neighborhood visit the Island County Public Works Website at: http://www.islandcounty.net/PublicWorks/
Boon Road Improvement Project Phase 2

Project Description
Island County Public Works proposes to improve the safety of Boon Road between State Route 20 and Fort Nugent Road in two phases. Phase 1 will include the following construction features on the south portion of Boon Road:

- Reconstruct vertical curves to current design standards.
- Upgrade storm water facilities.
- Resurface and widen Boon road to provide 11 foot wide travel lanes and 4 foot wide paved shoulders.

Project Benefits
**Mobility and Safety:** Reduced potential for collisions of various types including head on crashes, side swipe crashes, fixed object crashes and pedestrian and Bicycle crashes. Roadway drainage will be improved and there will be increased room for emergency stopping, bicycles and pedestrians.

Amount Allocated on Current TIP
Costs are in 2014 dollars.

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preliminary Engineering</td>
<td>$480,000</td>
</tr>
<tr>
<td>Right of Way</td>
<td>$322,000</td>
</tr>
<tr>
<td>Construction</td>
<td>$4,200,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$5,002,000</strong></td>
</tr>
</tbody>
</table>

Anticipated Schedule
- Preliminary Engineering/Design: 2015+
- Right-of-way: 2015+
- Construction: TBD

Contact Information
Doug Holbert
Civil Engineer
360-679-7958
DougH@co.island.wa.us

For more information on projects in your neighborhood visit the Island County Public Works Website at:
http://www.islandcounty.net/PublicWorks/
Swede Hill Road and Burley Road Intersection Improvements

Project Description
The project’s goal is to improve safety at the intersection of Swede Hill Road and Burley Road. Design alternatives to increase sight distance and improve safety are being evaluated in 2014.

Current TIP Year: 2015-2020  TIP #: 14

Project Benefits
Mobility and Safety: Intersection realignment projects like this are an effective way to reduce the frequency and severity of collisions resulting from limited sight distance and awkward sight lines.

Amount Allocated on Current TIP
Costs are in 2014 dollars.

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering/Design</td>
<td>$30,000</td>
</tr>
<tr>
<td>Right-of-way</td>
<td>$20,000</td>
</tr>
<tr>
<td>Construction</td>
<td>$250,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$300,000</strong></td>
</tr>
</tbody>
</table>

Anticipated Schedule
Engineering/Design: 2014
Right-of-way: 2015
Construction: Summer 2016

Contact Information
Joseph S. Araucto, P.E.
Construction Engineer
360-240-5557
JoeA@co.island.wa.us

For more information on projects in your neighborhood visit the Island County Public Works Website at: http://www.islandcounty.net/PublicWorks/
Freeland Trail
Phase 1

Project Description
Construction of a new 0.85 mile long, 10 foot wide paved pedestrian and bicycle trail on the southwest side of SR 525. Constructed in two phases, the trail will be located within WSDOT's right-of-way and is designed as a multi-use trail / shared use path. To protect an existing wetland, a section of the trail will be elevated and will include a viewing platform / overlook to enable interpretive panels to be displayed. The first phase is scheduled to be completed by the fall of 2014 (see map below).

Construction: Summer 2015

Project Benefits
Mobility and Safety: Provides separated non-motorized access to businesses and services on SR 525.

Economic Vitality: Enhances recreational opportunities and pedestrian and bicycle connections to local businesses, community facilities and residential areas.

Estimated Cost
Costs are in 2014 dollars.

<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preliminary Engineering/Design</td>
<td>$0</td>
</tr>
<tr>
<td>Right-of-way</td>
<td>$0</td>
</tr>
<tr>
<td>Construction</td>
<td>$707,600</td>
</tr>
<tr>
<td>Total</td>
<td>$707,600</td>
</tr>
</tbody>
</table>

Contact Information
Catherine Kelley
Project Manager
360-678-7965
CatherineK@co.island.wa.us

For more information on projects in your neighborhood visit the Island County Public Works Website at:
http://www.islandcounty.net/PublicWorks/
Clover Valley Road Intersection Improvements

**Project Description**
This project will focus on making improvements at the intersection of Ault Field Road / Clover Valley Road / Heller Roads to improve its safety and operational capacity.

**Current TIP Year:** 2015-2020  
**TIP #:** 22

**Project Benefits**

**Mobility and Safety:** Statistics show that intersections are the most likely places to be involved in a vehicle collision. This can be attributed to poor sight distance due to skewed intersection alignment, vegetation overgrowth, and high-speed turning radii. This project will improve sight distance and slow down turning vehicles at the intersection of Clover Valley Road and Ault Field / Heller Roads.

**Amount Allocated on Current TIP**  
*Costs are in 2014 dollars.*

- Preliminary Engineering/Design: $370,000
- Right-of-way: $250,000
- Construction: $2,000,000
- **Total:** $2,620,000

**Anticipated Schedule**
- Preliminary Engineering/Design: 2015-2017
- Right-of-way: 2016-2017
- Construction: 2017-2018

**Contact Information**
Joe Araucoto  
**Construction Engineer**  
360-679-7331  
JoeA@co.island.wa.us

For more information on projects in your neighborhood visit the Island County Public Works Website at:  
http://www.islandcounty.net/PublicWorks/
WSDOT Race Road to Jacob Road Safety Improvements Phase 1

Project Description

This project will add a two-way left-turn lane on State Route 20 near Island County's Solid Waste facility. The shoulders of the highway will also be widened to 4 feet between Jacobs Road and the solid waste facility.

Additionally, the project will also realign the intersections at Parker Road and Morris Road and adds turn lanes at the Morris Road intersection. This plan will reduce the number of intersections from three to just one, improve visibility and add turn lanes.

See WSDOT’s project page at: http://www.wsdot.wa.gov/projects/sr20/morristojacobs/

Current TIP Year: 2015-2020 TIP #: 28

Project Benefits

Mobility and Safety: Adding a turn lane will help improve safety and reduce the number of collisions for drivers turning in and out of the Solid Waste Complex. Improvements to the Parker/Morris Roads intersections will help reduce the chance of collisions and improve visibility on SR 20.

Amount Allocated on Current TIP

Costs are in 2014 dollars.

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction</td>
<td>$250,000</td>
</tr>
<tr>
<td>Total</td>
<td>$250,000</td>
</tr>
</tbody>
</table>

Anticipated Schedule

Construction: Summer 2015

Contact Information

Connie Bowers
Assistant County Engineer
360-679-7336
ConnieB@co.island.wa.us

For more information on projects in your neighborhood visit the Island County Public Works Website at: http://www.islandcounty.net/PublicWorks/
Libbey to Kettles Multi-Use Trail Connector

Project Description
This project will develop a multi-use trail to connect the parking area at the corner of SR-20 and Libbey Road with the entrances to the Kettles Trail System.

Preliminary Engineering: 2015
Construction: TBD

Current TIP Year: 2015-2020
TIP #: 20

Project Benefits
This trail connection will extend the existing Kettles Trail all the way to Libbey Road, enhancing access to the Kettles Trail system and improving non-motorized transportation connections between Coupeville and Oak Harbor.

Estimated Costs
Estimated costs are in 2013 dollars.

- Preliminary Engineering/Design $150,000
- Right-of-way $0
- Construction $900,000
- Total $1,050,000

Contact Information
Catherine Kelley
Project Manager
360-678-7965
CatherineK@co.island.wa.us

For more information on projects in your neighborhood visit the Island County Public Works Website at: http://www.islandcounty.net/PublicWorks/
**Project Description**

This project will reduce the grade of Crescent Harbor Rd approaching Regatta Drive and remove the northbound bypass lane and replace it with a northbound right-turn lane. These changes will provide better intersection spacing, slow down right turning traffic, and simplify the situation for side street drivers at the Torpedo Road intersection who now have to track two sources of oncoming traffic.

**Current TIP Year:** 2015-2020  
**TIP #:** 36

**Project Benefits**

**Safety:** Realigning intersections is an effective way to reduce the frequency and severity of collisions resulting from high speed turning traffic, limited sight distance and awkward sight lines. This project will also eliminate closures of the Regatta Drive intersection due to icy or snowy weather.

**Amount Allocated on Current TIP**

*Costs are in 2014 dollars.*

- Preliminary Engineering/Design: $300,000
- Right-of-way: $320,000
- Construction: $1,500,000
- **Total:** $2,120,000

**Anticipated Schedule**

- Preliminary Engineering/Design: 2015
- Right-of-way: 2016
- Construction: 2017-2018

**Contact Information**

Spencer Keane  
*Traffic Engineer*  
360-678-7953  
S.Keane@co.island.wa.us

*For more information on projects in your neighborhood visit the Island County Public Works Website at: [http://www.islandcounty.net/PublicWorks/](http://www.islandcounty.net/PublicWorks/)*