



ODOT/Tillamook County Seismic Pilot Project

March 9, 2017
Tillamook County
Public Works

Liane Welch, P.E.

Director

503.842.3419

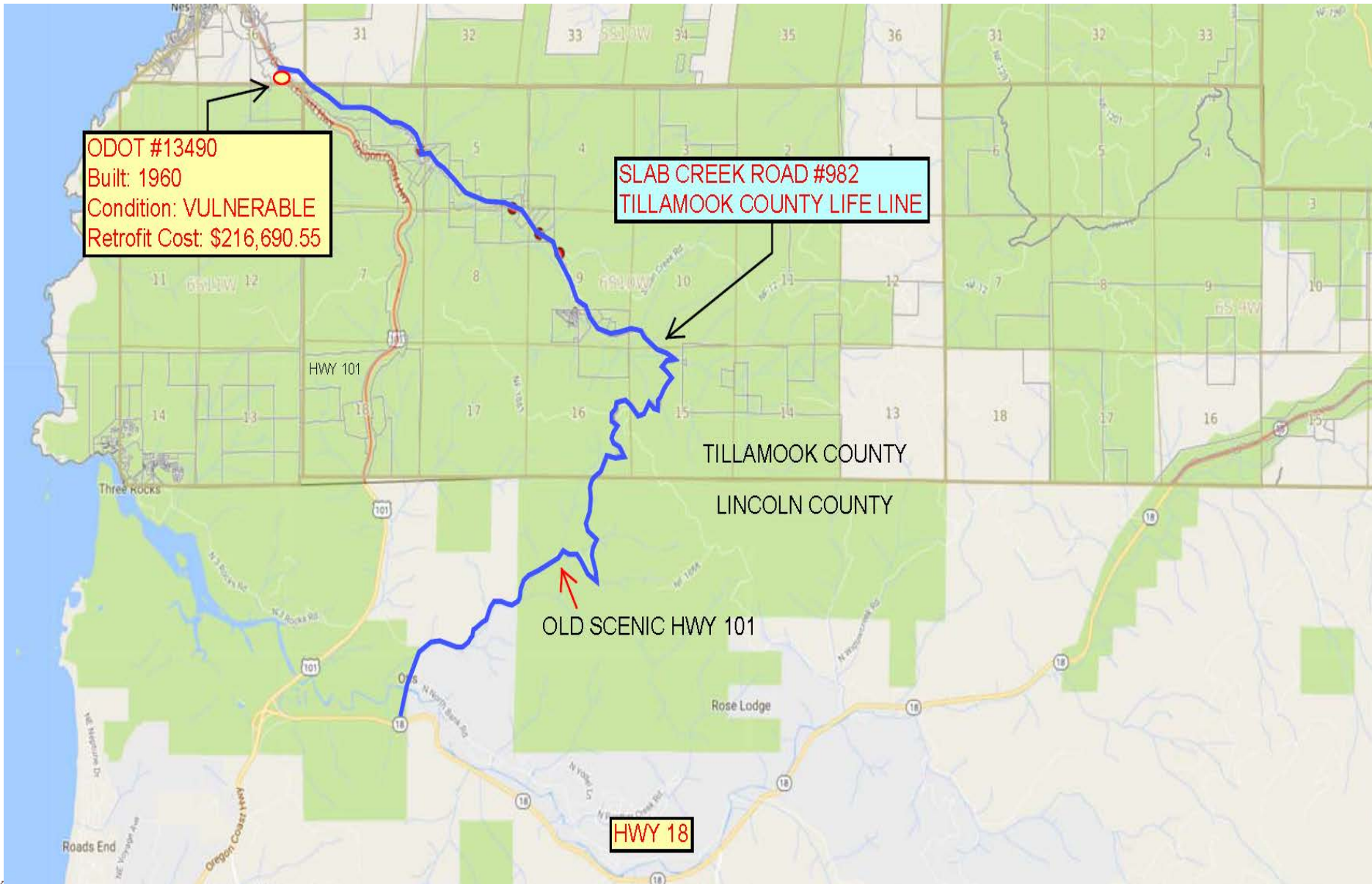
lwelch@co.tillamook.or.us



Objective

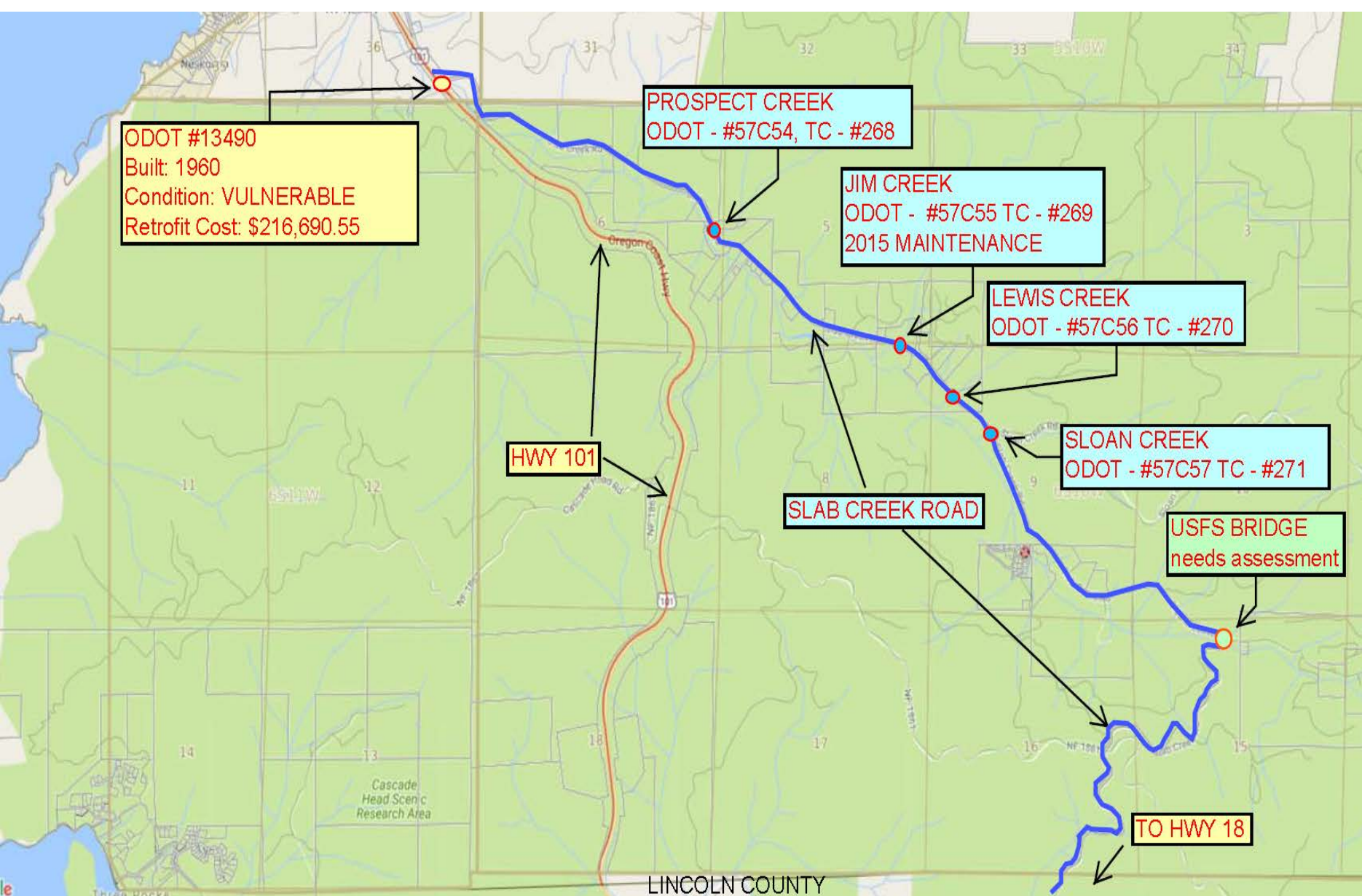
- 1. Re-evaluate Tillamook County life line routes and prioritize multi-span bridges for seismic retrofit or replacement.
- 2. Review ODOT's life line routes and locations of their bridges. Identify alternative routes on County/other roads that may be more cost effective to seismically retrofit or replace.





Hwy 18 is a priority route for ODOT





4 County bridges are single span, USFS bridge needs assessment

ODOT #02508A
Built: 1980
Condition: VULNERABLE
Retrofit Cost: \$3,568,121.48

Total ODOT Cost: \$3,568,121.48
or \$996,000

ODOT - #04691A
Built: 1956
Condition: VULNERABLE
Planning Est. \$996,000

Meda Loop Repairs and Overlay needed
3 Culvert Replacement
Total COUNTY Cost: \$1,500,000.00

SIFFORD BRIDGE
ODOT - #22471 TC- #288
Built: 2015

CULVERTS

Bundle #1

Meda Loop Road Bypass Little Nestucca Bridge on Hwy 101

TILLAMOOK COUNTY LIFE LINE ROUTE

Ferry Street Bridge
ODOT #01372A - TC#256
Built: 1986
Retrofit Cost: \$755,508.65

Pacific Avenue Bridge
ODOT #11366A - TC#257
Built: 1973
Retrofit Cost: \$1,762,019.32

RESORT DRIVE

Total COUNTY Cost: 2,517,527.97

to CLOVERDALE



NO VIABLE BY-PASS OF HWY 101
ODOT BRIDGES #04660A & #00555B

Total ODOT Cost: 5,994,924.08

ODOT #00555B
Built: 1991
Condition: POTENTIALLY VULNERABLE
Retrofit Cost: \$949,919.08

HWY 101

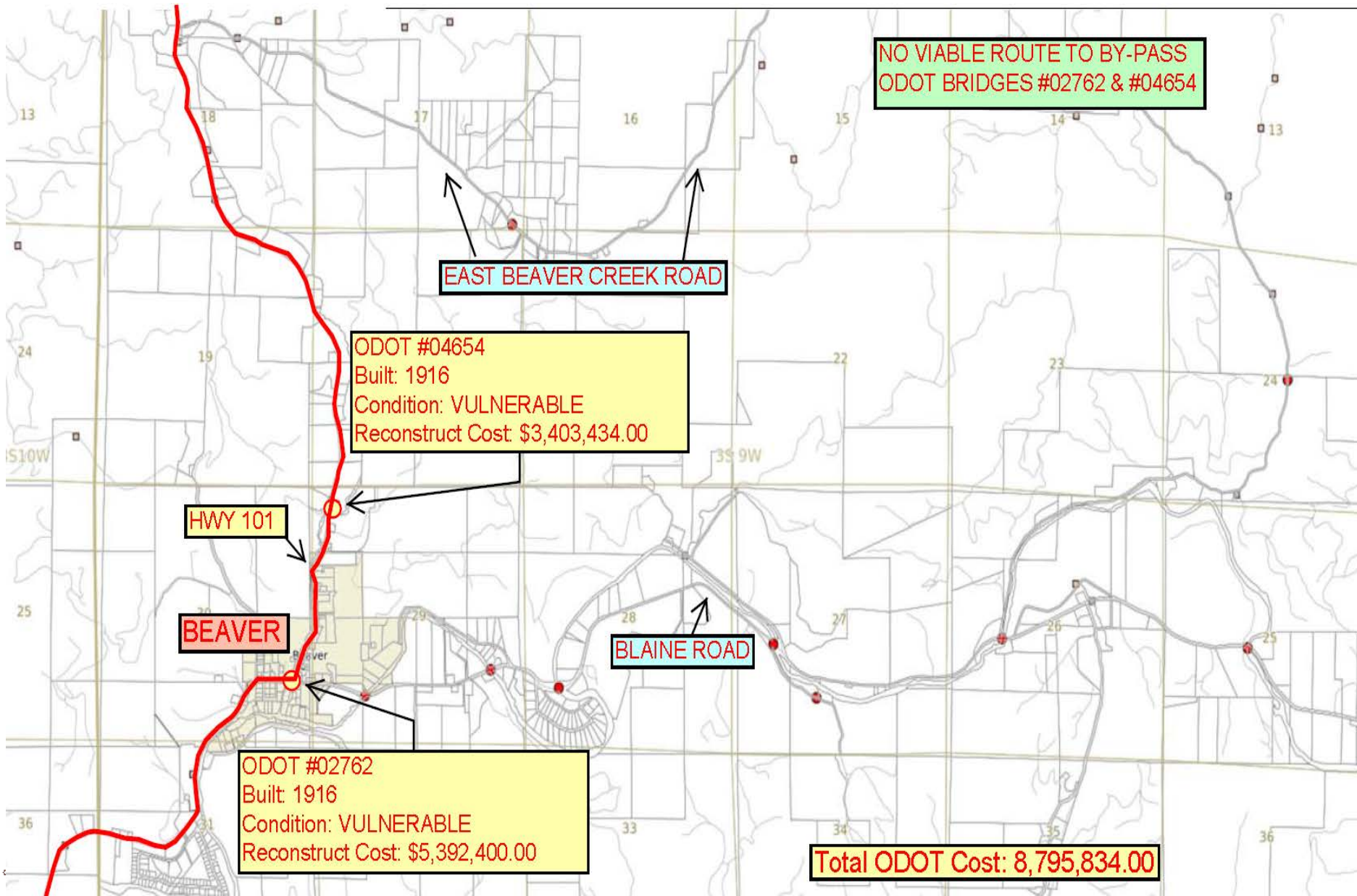
HEBO

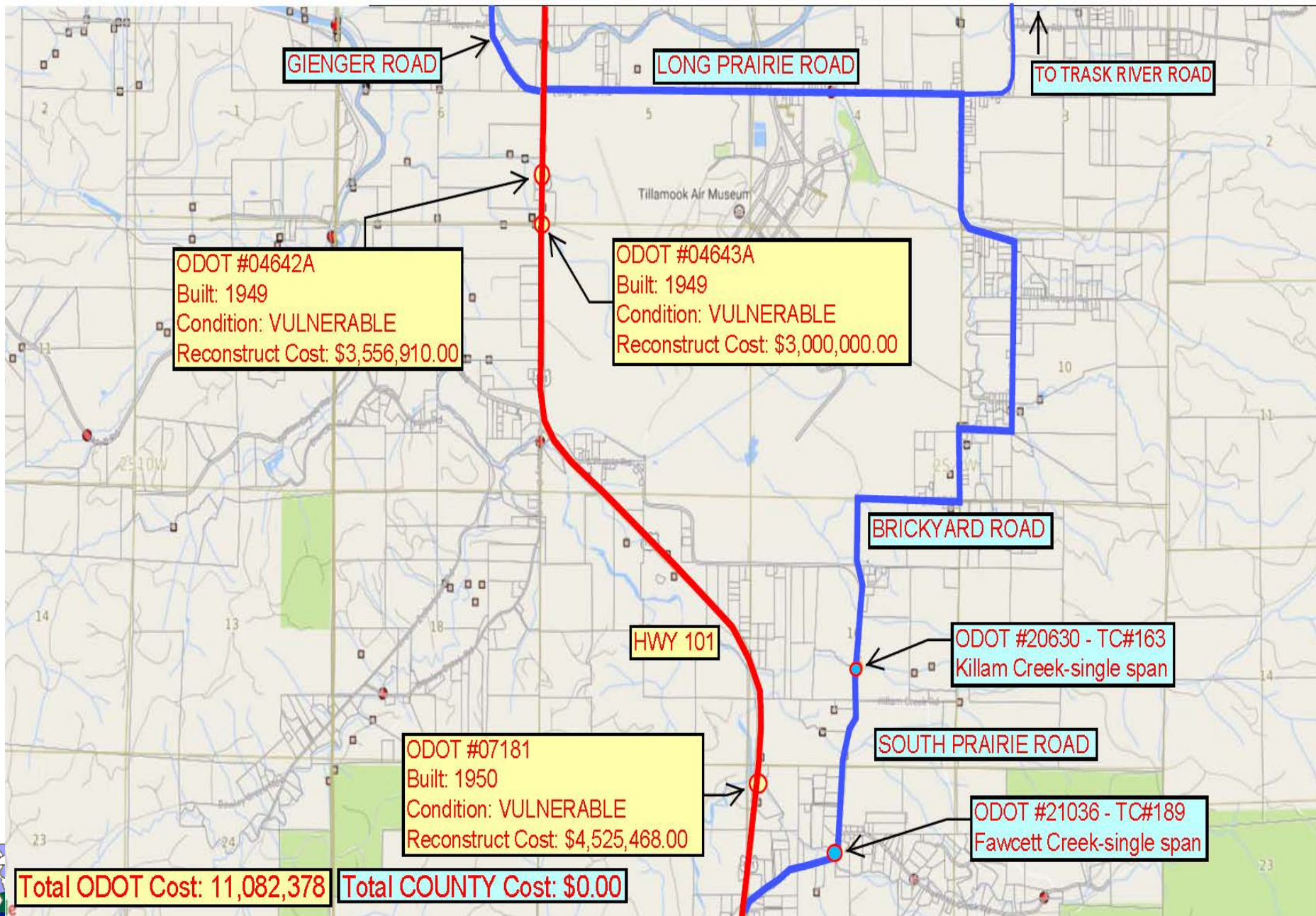
HWY 22

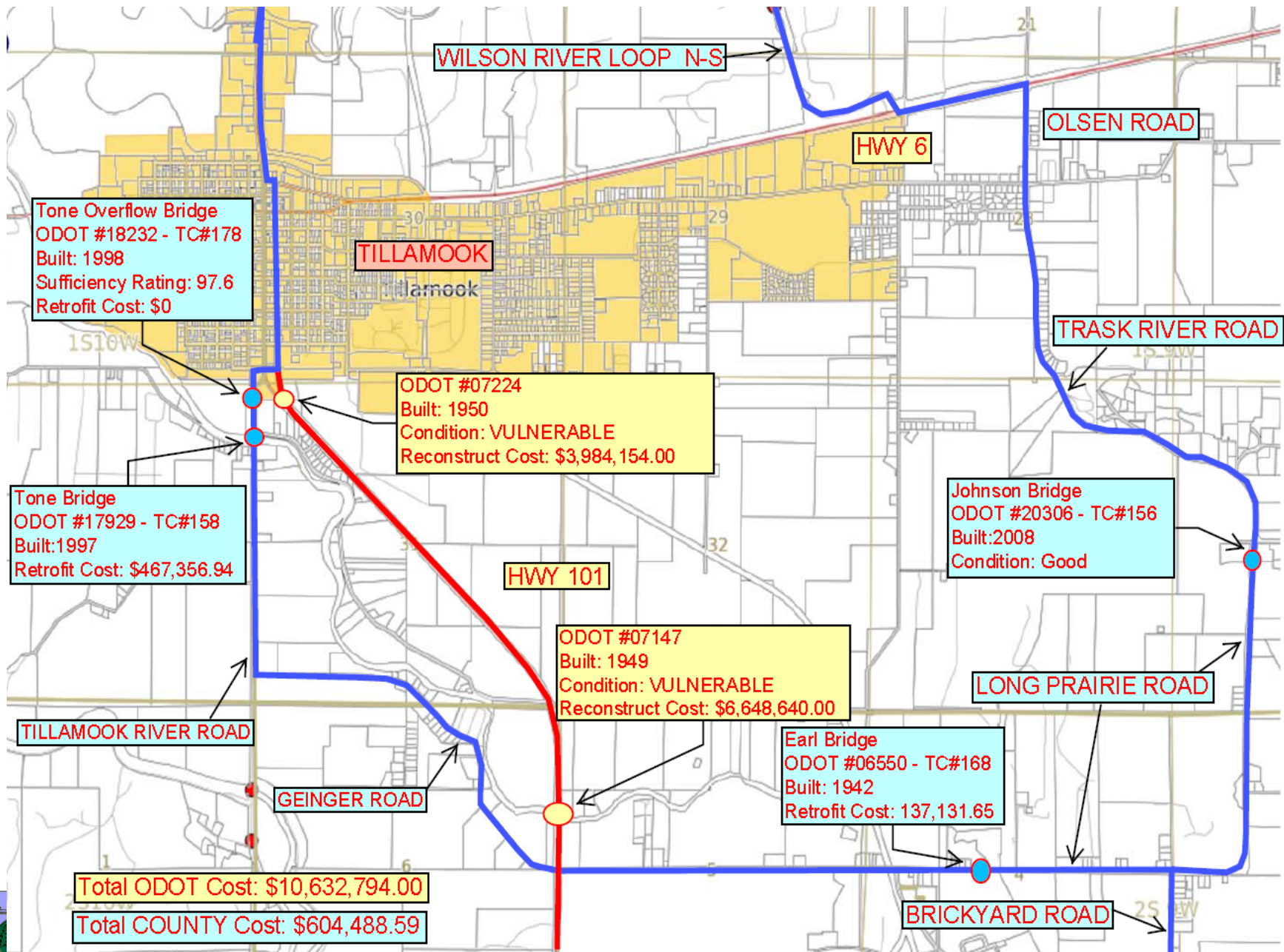
ODOT #04660A
Built: 1949
Condition: VULNERABLE
Reconstruct Cost: \$5,045,005.00

CLOVERDALE







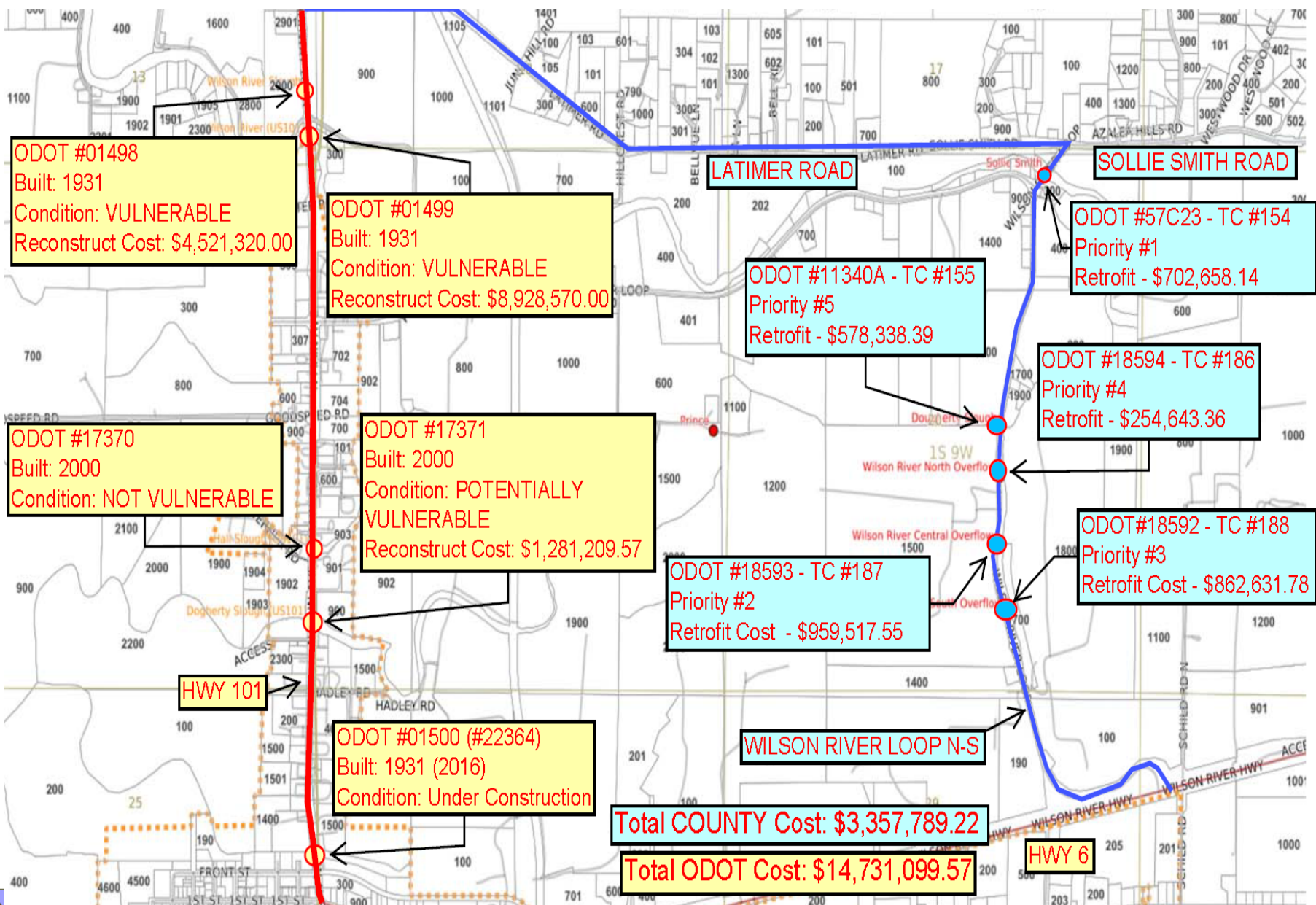


Total ODOT Cost: \$10,632,794.00

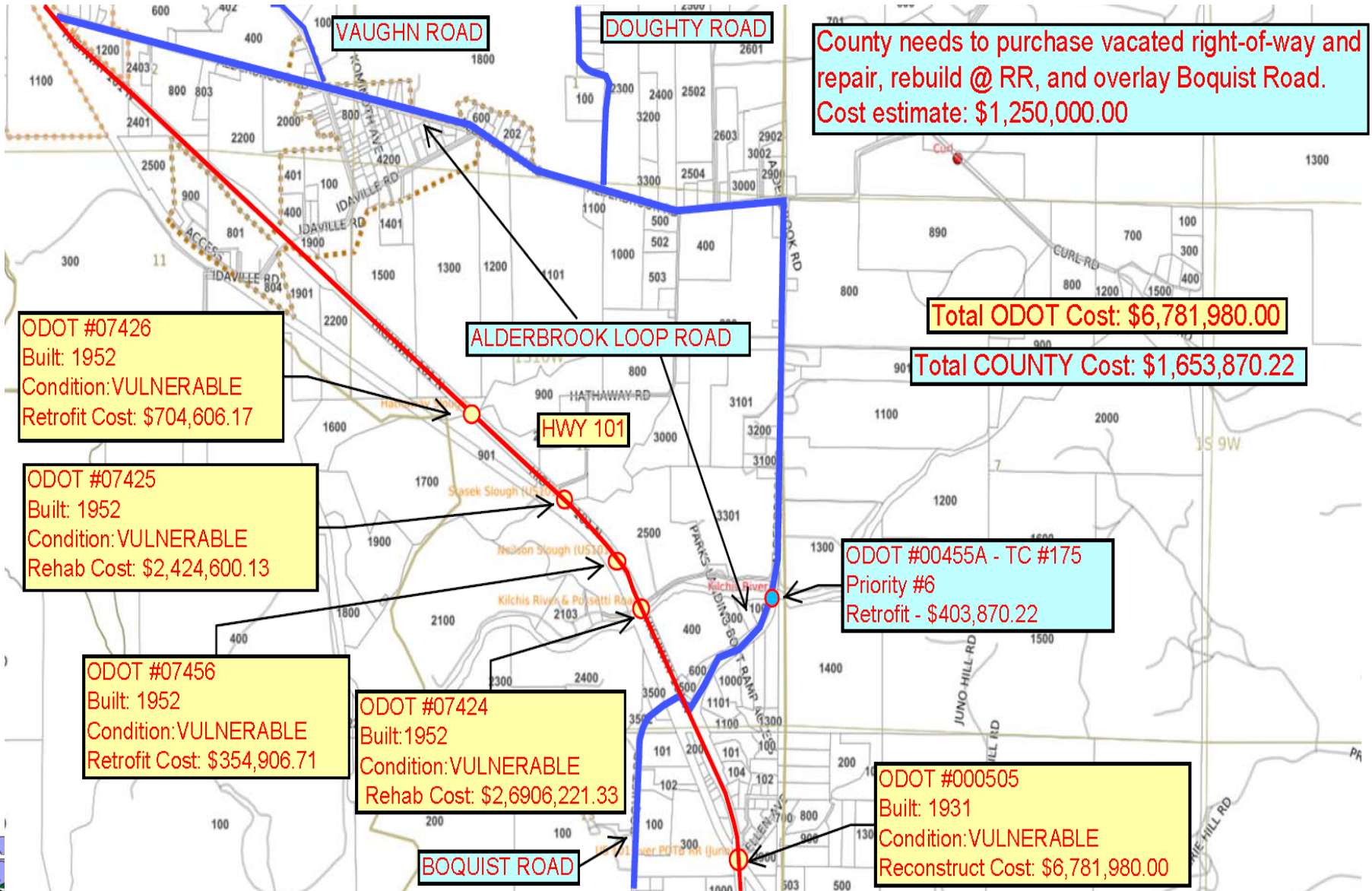
Total COUNTY Cost: \$604,488.59

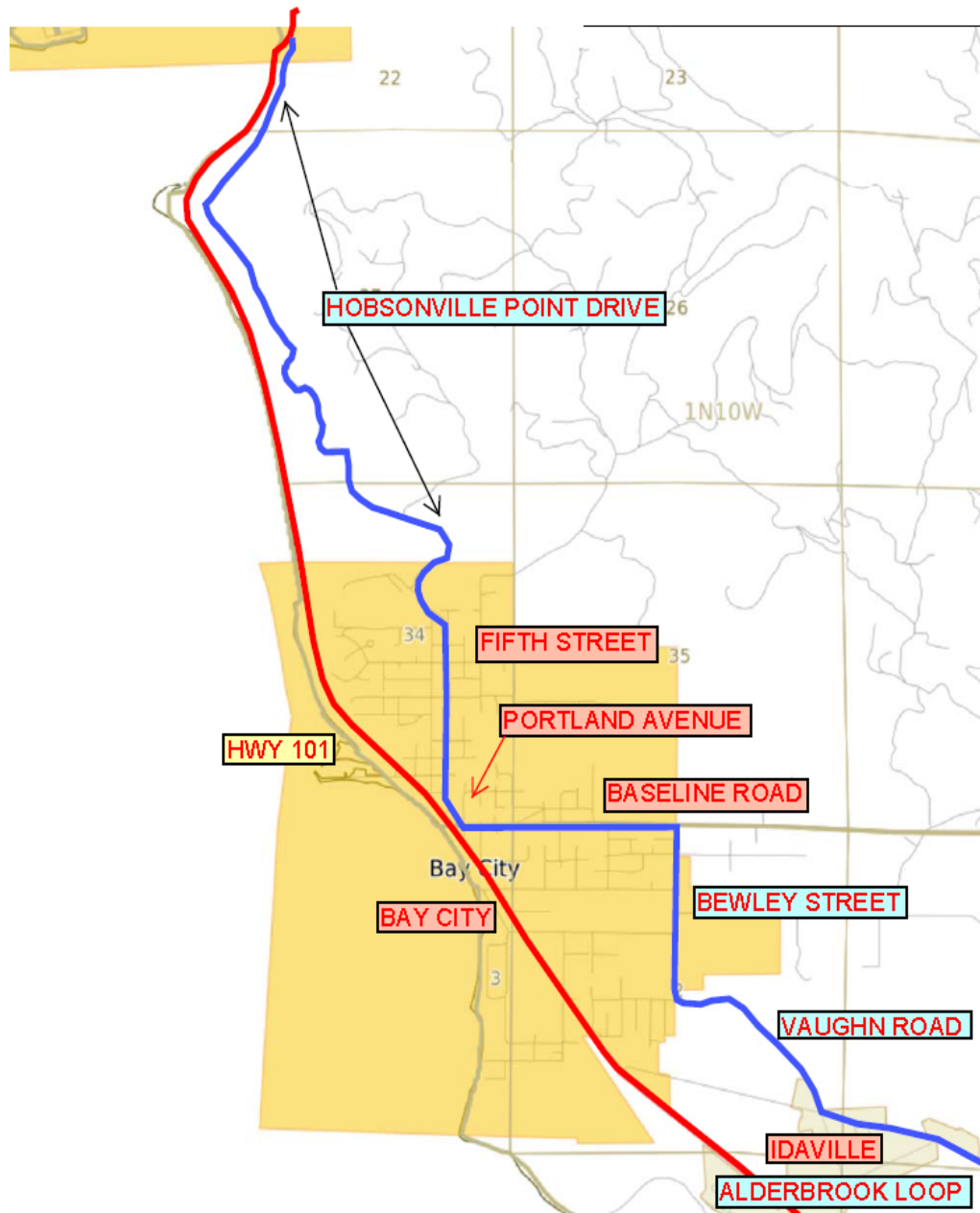
Bundle #2

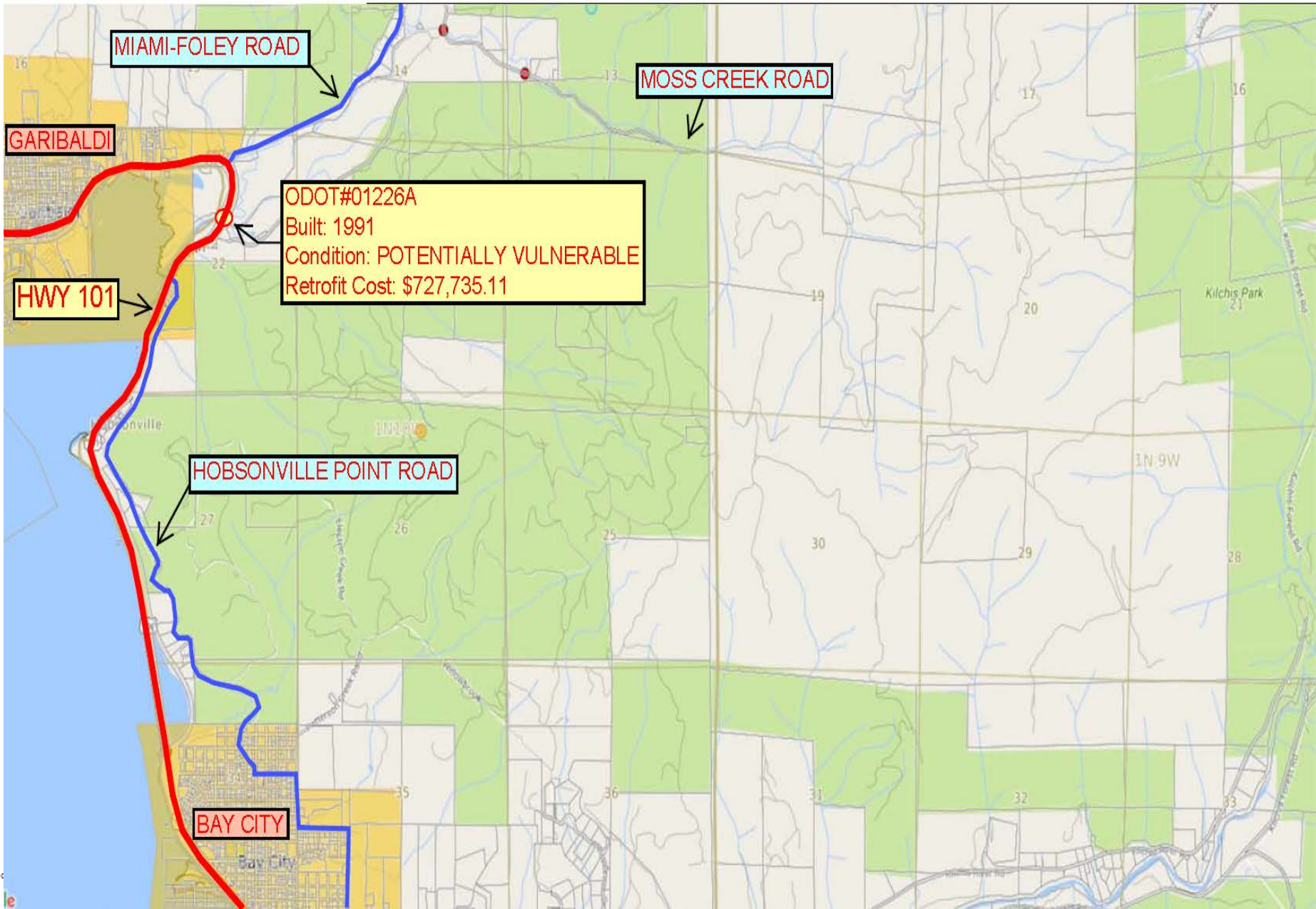


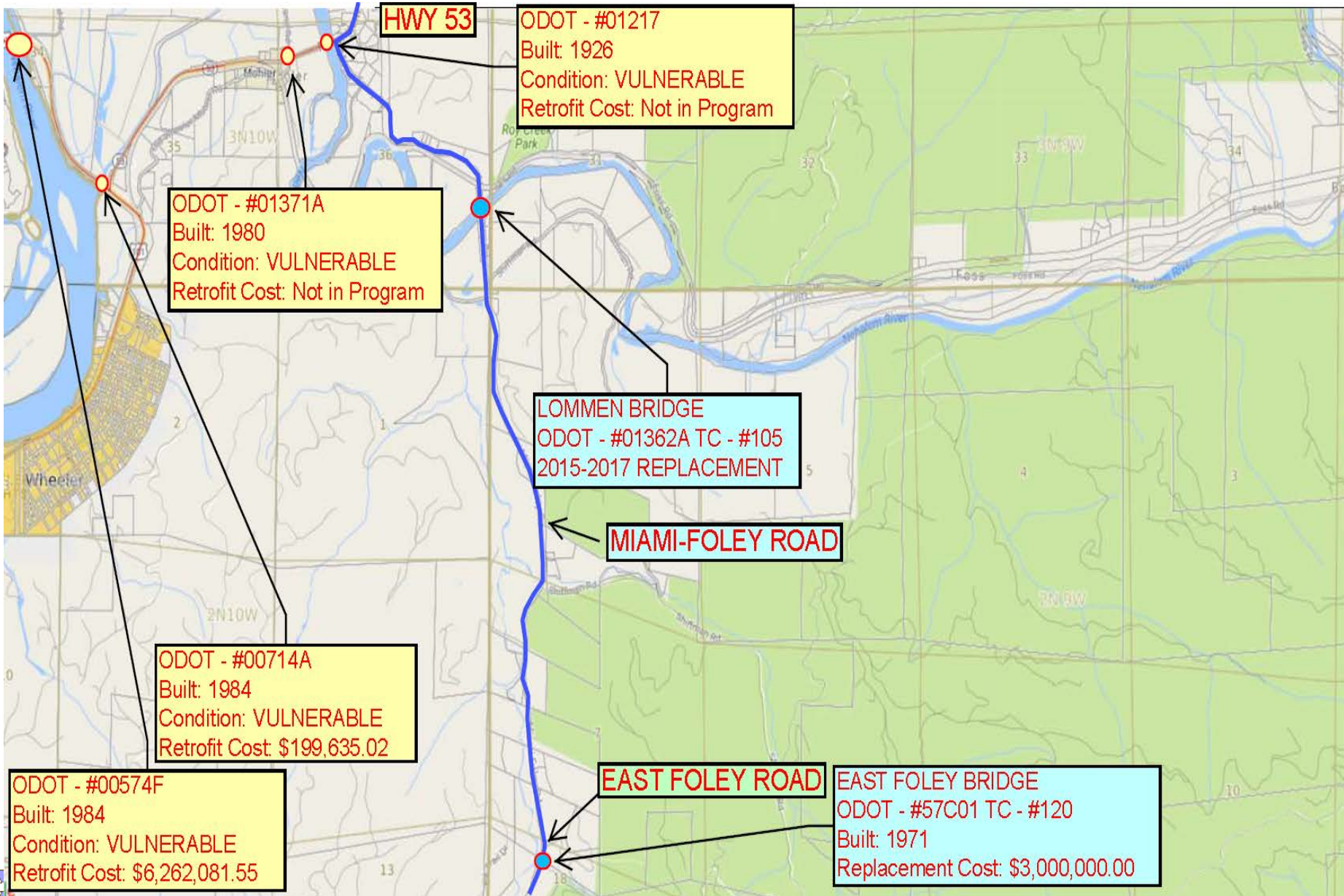


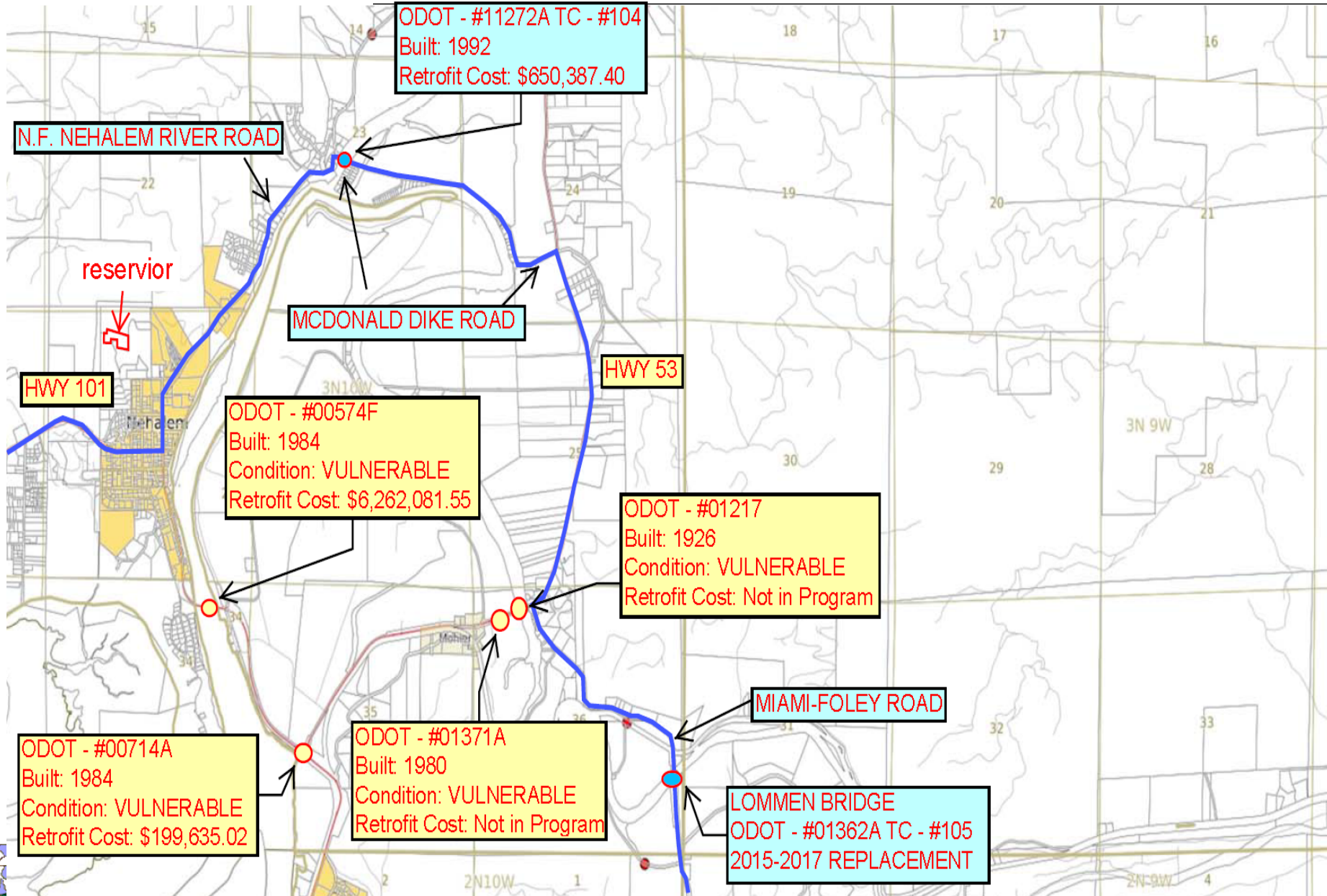
Bundle #3











COST BUNDLES #1-3

Bundle #1

- **Meda Loop Road Bypass:**

County Cost:	\$ 1,500,000
ODOT Cost:	\$ 3,568,121

Bundle #2

- **Long Prairie Road to Hwy 6 Bypass:**

County Cost:	\$ 604,488
ODOT Cost:	\$10,632,794

Bundle #3

- **Wilson River Loop N-S:**

County Cost:	\$ 3,357,789
ODOT Cost:	\$14,731,099



TILLAMOOK CO. BRIDGE ASSESSMENT PRIORITIES

PRIORITY	BRIDGE ID	YEAR BUILT	CROSSES	MP	MATERIAL MAIN	SUFFICIENCY RATING	DECK AREA (SQFT)	COUNTY RETROFIT COST \$	WORK TYPE	FINAL COST (UNIT COST)	FINAL COST (MIN.COST)
1	57C23	1974	WILSON	0.07	5 Prestressed Concrete	68	7,833	\$702,658.14	Retrofit	\$702,658.14	\$702,658.14
2	18594	2000	CREEK	0.59	2 Concrete Continous	94	4,867	\$254,643.36	Retrofit	\$254,643.36	\$3,000,000.00
3	18593	2000	O'FLOW BR	0.69	2 Concrete Continous	92	16,222	\$959,517.55	Retrofit	\$959,517.55	\$959,517.55
4	18592	2000	O'FLOW BR	0.82	2 Concrete Continous	94	14,584	\$862,631.78	Retrofit	\$862,631.78	\$862,631.78
5	11340A	1952	DOUGHERTY SLOUGH	0.5	2 Concrete Continous	84	4,836	\$578,338.39	Retrofit	\$578,338.39	\$800,000.00
6	00455A	1989	KILCHIS	2.44	5 Prestressed Concrete	97	6,003	\$403,870.22	Retrofit	\$403,870.22	\$450,000.00
7	01372A	1986	NESTUCCA	12.81	6 P/S Conc Continous	78	11,230	\$755,508.65	Retrofit	\$755,508.65	\$755,508.65
8	11366A	1973	NESTUCCA	0.12	5 Prestressed Concrete	83	17,377	\$1,762,019.32	Retrofit	\$1,762,019.32	\$1,762,019.32
9	57C01	1971	EAST FOLEY CRK	10.12	5 Prestressed Concrete	65	2,035	\$ 182,521.55	Replacement		\$3,000,000
10	11272A	1992	N.FORK NEHALEM	1.14	5 Prestressed Concrete	97	10,996	\$650,387.40	Retrofit	\$650,387.40	\$650,387.40
11	11315A	1986	NESTUCCA RV	0.01	5 Prestressed Concrete	98	10,500	\$798,525.05	Retrofit	\$798,525.05	\$798,525.05
								\$7,910,621.41		\$7,728,099.86	\$ 13,741,247.89



- Questions:

Tillamook County Public Works

503 Marolf Loop Road

Tillamook, OR 97141

503-842-3419

