

Local Bridge Program

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Sr. Local Bridge
Standards Engineer



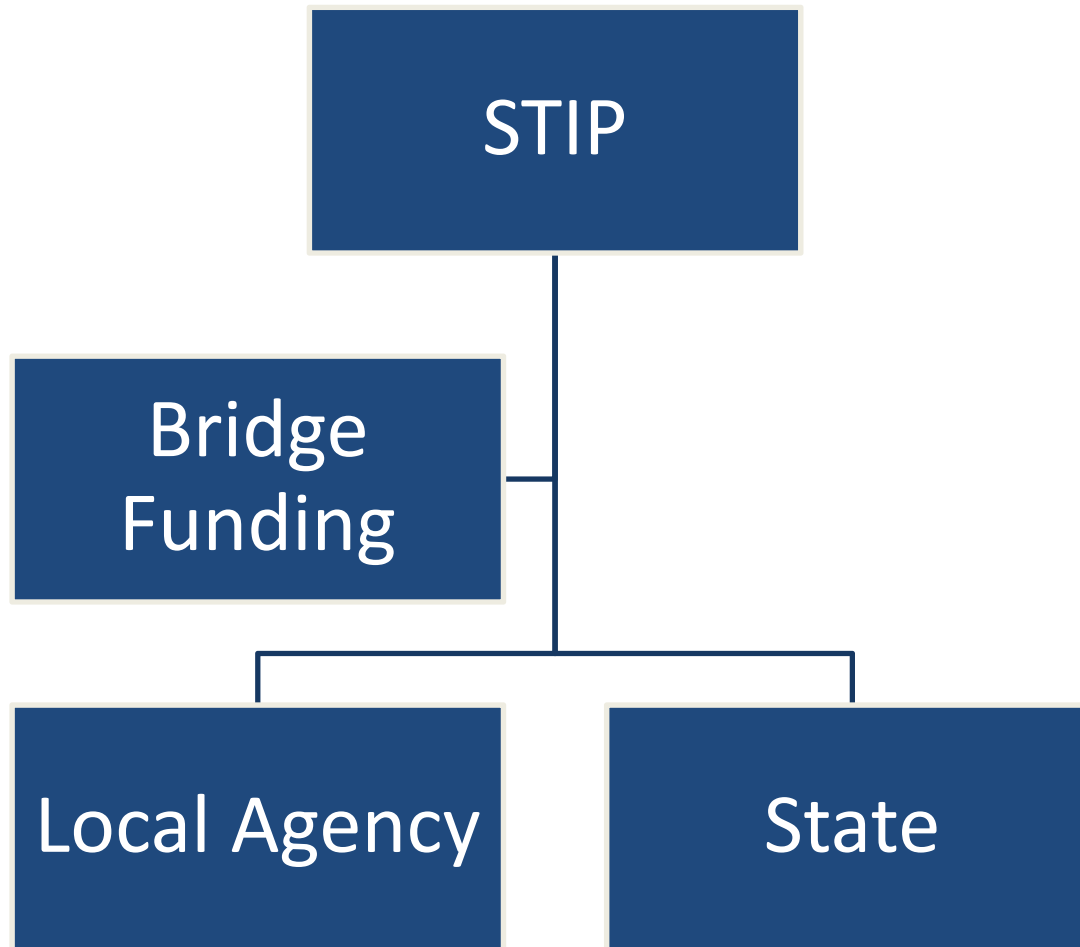
Outline

- Program overview
- Program Goals
- Application Process
- Program Selection
- Program Delivery



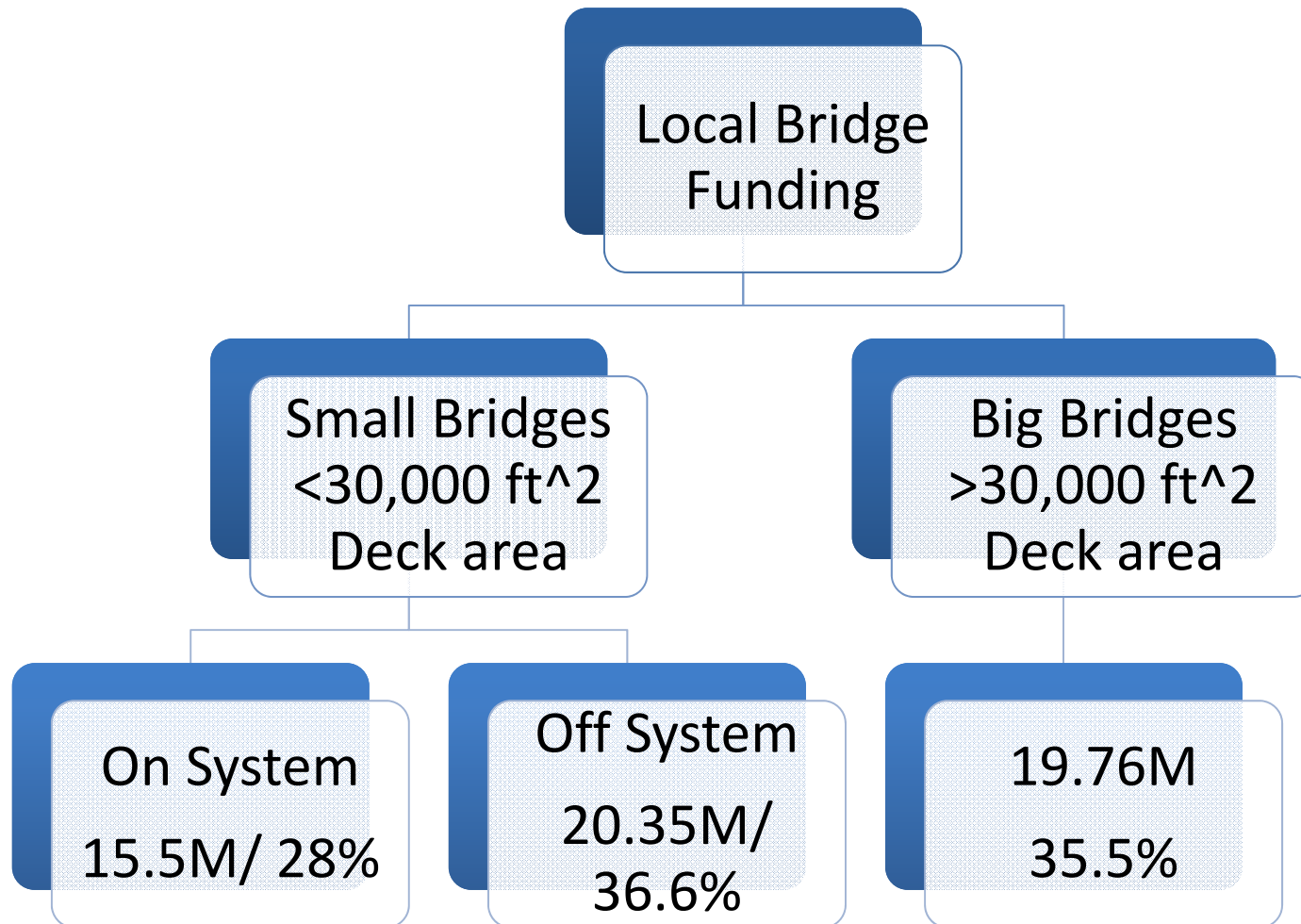
Program overview – MAP 21 STIP

ODOT/AOC/LOC Agreement



Highway Local Bridge Program

ODOT/AOC/LOC Agreement



Federal-Aid Highway Law

National Bridge Inspection Standards (NBIS) (NBI)

law, 23, USC 144,
require all public
bridges to be
inspected

Report to FHWA
annually thru
National Bridge
Inventory (NBI)

By State

- Inspection
- Load rating
- Scoping
- Program support



Program Goals

Improve/maintain local agency bridges- Criteria



Primary Criteria

- Structural deficiency from load deficient –capacity
- Improve the Safe and prolong the service life of structures

- Secondary
- Additional Bridge width to bring to standards
- not identified as deficient



Local Agency Bridge Selection Committee

Committee Members – meet October/November

State Bridge Engineer, Bruce Johnson Chair

Three ODOT

State Engineer

Senior Local Bridge Standards Engineer

Mobility Manager

Three County

Marion

Umatilla

Jackson

Three City

Portland

Salem

Klamath Falls



Application Submittal

What Information needed from Local Agencies

All Bridges:

- ODOT Project Prospectus, Part 1
- Cost Estimate
- Wrong NBIS data
- Business Case

Small Bridges:

- Any special reasons
- Rehab-an estimate of extended life of bridge
- Load rating
- AADT, Detour Length



Application Process

Processing Applications by ODOT

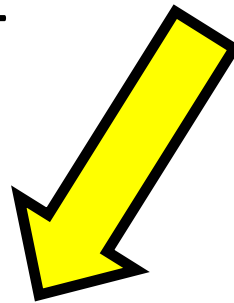
ODOT review all information for accuracy

- National Bridge Inspection Standards (NBIS)
- Rank small bridge replacements using Technical Ranking System



TRS Formula

$$\text{Points} = \frac{(\text{SRF} + \text{TBF} + \text{LDF} + \text{UBF})}{2} \text{BNM} \times \text{FCM}$$



SRF = Points Based on Sufficiency Rating

TBF = Points Based on Timber Deficiency

LDF = Points Based on Load Deficiency

UBF = Points Based on Use Benefit

BNM = Bonus Needs Multiplier

FCM = Functional Class Multiplier



2022-2024 Local Bridge Applications

Preliminary summary table

	On	Off	Large	Total
Replace*	46	38	1	85
Rehab	15	1	3	19
Total	61	39	4	104

- 752 Originally Eligible
- Includes 4 Bridges previously PE Funded
- *20 bridges applied for replacement funds while having sufficiency ratings exceeding 50, presumably, some of these will remain ineligible.



Application received Summary

Break down of Number of the applications received

	On		Off			Large	
Regions	Replace	Rehab	Replace	Rehab		Replace	Rehab
1	10	4	3	0		0	2
2	16	8	18	1		0	1
3	7	1	12	0		0	0
4	9	1	2	0		1	0
5	4	1	3	0		0	0
	46	15	38	1		1	3



Application Summary continued

Project cost by Region

	On		Off		Large	
Regions	Replace	Rehab	Replace	Rehab	Replace	Rehab
1	\$ 59,377,000	\$ 20,593,000	\$ 6,742,000	\$ -	\$ -	\$ 27,958,000
2	\$ 51,924,000	\$ 9,430,000	\$ 41,199,000	\$ 2,822,000	\$ -	\$ 3,745,000
3	\$ 64,950,000	\$ 1,306,000	\$ 54,075,000	\$ -	\$ -	\$ -
4	\$ 41,944,540	\$ 269,000	\$ 1,113,000	\$ -	\$ 43,070,000	\$ -
5	\$ 6,584,000	\$ 140,000	\$ 4,715,000	\$ -	\$ -	\$ -
	\$ 224,779,540	\$ 31,738,000	\$ 107,844,000	\$ 2,822,000	\$ 43,070,000	\$ 31,703,000

Project cost by Funding & Type of Work

Cost	On	Off	Large	Total
Replace	\$ 224,779,540	\$ 107,844,000	\$ 43,070,000	\$ 375,693,540
Rehab	\$ 31,738,000	\$ 2,822,000	\$ 31,703,000	\$ 66,263,000
Total	\$ 256,517,540	\$ 110,666,000	\$ 74,773,000	\$ 441,956,540



Scoping

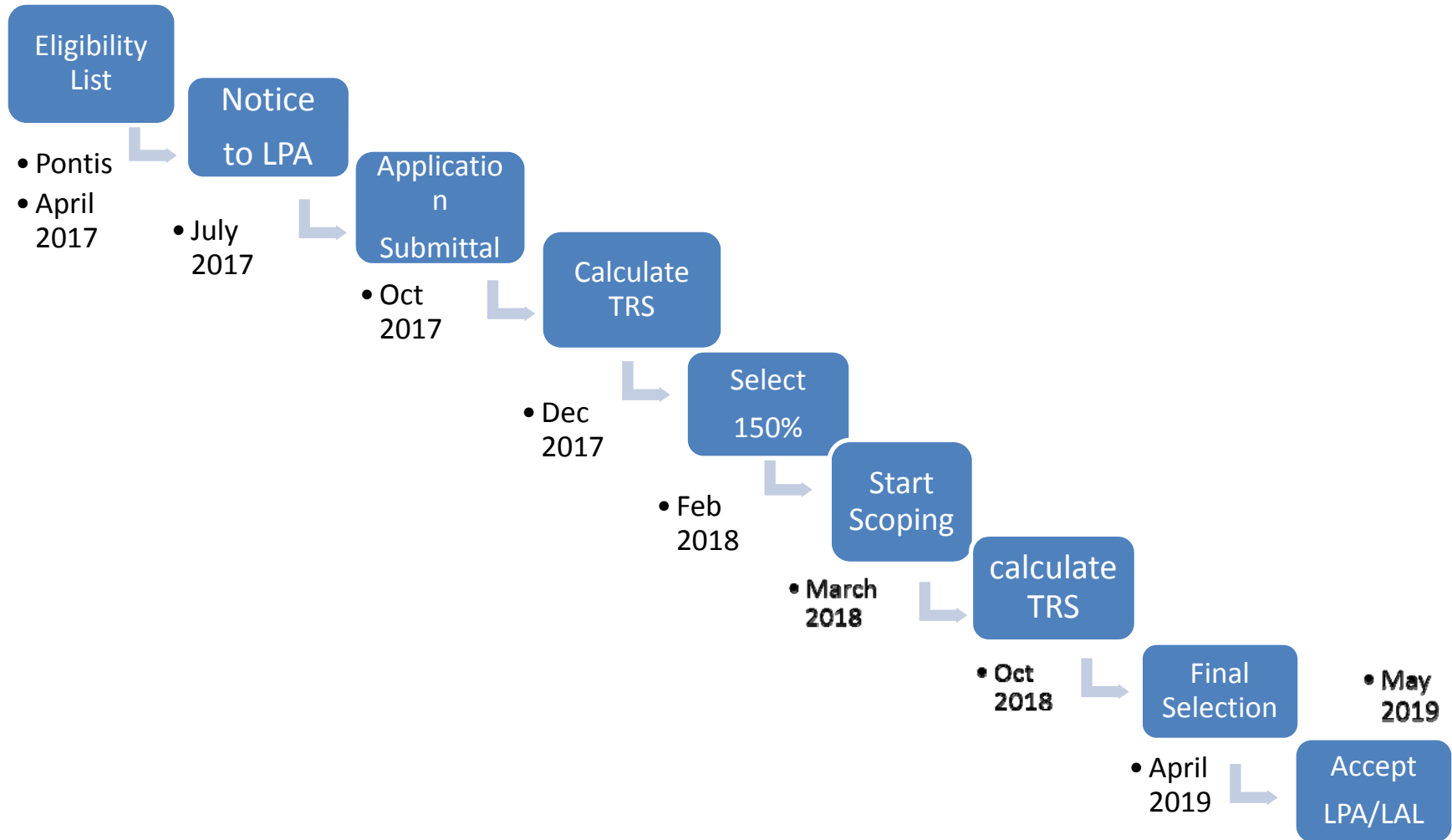
Final scoping list from LABSC from TRS

ODOT Regions will be Involved – March 2018

- LALs, LPA
- R/w, Roadway, Environmental, & Bridge
- Schedule each region for field scoping
- Re-calculate the TRS scores
- Final Selection by LABSC



Selection Process



2022-2024 STIP Schedule

Tasks	Start Date	End Date
Generate Preliminary Eligibility List		
Send Preliminary Eligibility List to Owners with Letter		
Generate Final Eligibility List from April 2017 Snapshot	June 2017	July 2017
Sent Request for Applications to Owners	July 2017	September 2017
Application DUE DATE	Oct 16 2017	Oct 16 2017
Share List of Applications with Area Managers and Regions	November 2017	November 2018
Process Applications	October 2017	October 2018
Refine Technical Ranking Score (TRS)	November 2017	November 2018
Technical Ranking System Calculations to Generate a Prioritized List	December 2017	December 2018
Local Agency Bridge Selection Committee meet to select scoping projects	February 2018	March 2018
Final 150% Scoping list of Local Agency Bridge Selection Committee	April 2018	April 2018
Region Scoping of Applications	April 2018	September 2018
Re-Generate Eligibility list to final check	April 2018	April 2018
Finalize priority list from the scoping Data	October 2018	October 2018
Develop Presentation for Local Agency Bridge Selection Committee	November 2018	January 2019
Local Agency Bridge Selection Committee meet to select projects	March 2019	March 2019
Final Selections List	April 2019	April 2019
Award letters to owners	May 2019	June 2019
Response return by bridge owners	July 2019	July 2019



Project Delivery for 2021-2024

STIP – Amendment to 2018-2021?

For On-time
project delivery,
Amend Design to
STIP 2018-2021?

IGA, Consultant
Selection, Design
How SFLP effect
this process?

Construction
STIP 2022-
2024???



Local Bridge Program

Websites:

- ODOT/AOC/LOC agreement
- <http://www.aocweb.org/aoc/Portals/0/CRP%20Page/Major%20Reports/Other%20Reports/ODOT-AOC-LOC%20%20Agreement%20FINAL%202012.pdf>
- Local agency Bridge funding information on
- Bridge Priority Selection Policy
- Local Agency HBP Selection Process
- Application forms
- <http://www.oregon.gov/ODOT/Bridge/Pages/Local-Agency.aspx>



Thank You



Questions?

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