

IIJA Fix it First Team Bridge Formula Program Meeting

April 2022

IIJA Legislation Intent

- Recognized the nationwide need for bridge funding
- Two funding avenues; Formula and Discretionary
- States share of national funding based on surface area and condition
- Bridge deck surface area (vs. counts) is used to equalize bridge size
- Congressional Intent to fund FAIR and POOR condition bridges

NBI Bridge Inventory & Condition by Owner

	Good		Fair		Poor		TOTALS
	Count	Area (sq. ft)	Count	Area (sq. ft)	Count	Area (sq. ft)	
California Dept of Transportation (non-Toll)	6,585	120,668,209	5,372	114,882,564	491	9,597,206	245,147,979
California Dept of Transportation (Toll)	3	2,960,732	6	4,853,566	1	2,209,874	10,024,172
City/Town/County	5,129	28,800,024	6,306	37,667,255	967	7,913,509	74,380,788
Department of Water Resources	2	1,594	30	240,379	10	68,901	310,874
California Dept of Parks and Recreation	6	26,274	31	61,462	16	30,979	118,715
California Department of Forestry	6	4,113	19	30,430	4	2,562	37,105
Department of Fish and Game	-	-	-	-	1	549	549
Golden Gate Bridge Highway & Trans Dist.	-	-	5	727,124	-	-	727,124
College/University	8	22,163	7	20,689	-	-	42,852
California State Lands Commission	-	-	1	18,320	-	-	18,320
Bay Area Rapid Transit	1	11,388	1	5,909	-	-	17,297
CDCR - Centinela State Prison	-	-	1	3,520	-	-	3,520
California High Speed Rail Authority	5	31,937	-	-	-	-	31,937
TOTALS	11,745	152,526,434	11,779	158,511,218	1,490	19,823,580	330,861,232
				Total NBI Bridges	25,014		

Funding Distribution Option 1 – Full Inventory

- This option considers the full bridge inventory and all conditions
- The distribution is based on percentage of the deck surface area owned by each agency

Option 1 – Full Inventory

	Option 1	
	Total Inventory Approach %	Fair Share (millions)
California Dept of Transportation (non-Toll)	74.09	629.06
California Dept of Transportation (Toll)	3.03	25.72
City/Town/County	22.48	190.86
Department of Water Resources	0.09	0.80
California Dept of Parks and Recreation	0.04	0.30
California Department of Forestry	0.01	0.10
Department of Fish and Game	0.00	0.00
Golden Gate Bridge Highway & Trans Dist.	0.22	1.87
College/University	0.01	0.11
California State Lands Commission	0.01	0.05
Bay Area Rapid Transit	0.01	0.04
CDCR - Centinela State Prison	0.00	0.01
California High Speed Rail Authority	0.01	0.08

TOTALS

Option 2 - IJA Method

- This option follows the IJA distribution method among states
- Deck area is weighted 75% for POOR condition area
- Deck area is weighted 25% for FAIR condition bridges
- This approach allocates funding to the owners who have the bridges responsible for the funding CA received
- This option is most aligned with congressional intent

Option 2 – IJA Method

	Option 2	
	IJA Weighted 75% Poor Area	Fair Share (millions)
California Dept of Transportation (non-Toll)	65.91	559.58
California Dept of Transportation (Toll)	5.27	44.72
City/Town/County	28.17	239.17
Department of Water Resources	0.21	1.74
California Dept of Parks and Recreation	0.07	0.60
California Department of Forestry	0.02	0.15
Department of Fish and Game	0.00	0.01
Golden Gate Bridge Highway & Trans Dist.	0.33	2.83
College/University	0.01	0.08
California State Lands Commission	0.01	0.07
Bay Area Rapid Transit	0.00	0.02
CDCR - Centinela State Prison	0.00	0.01
California High Speed Rail Authority	0.00	-

TOTALS

Option 3 – More aggressive POOR weighting

- Deck area is weighted 90% for POOR condition area
- Deck area is weighted 10% for FAIR condition bridges
- This approach focuses more funding to POOR condition bridges
- This generally shifts funding from the State to Local Agencies because the State's FAIR area is 3 times that of the locals

Option 3 – POOR Condition weight > IJA

	Option 3	
	Poor Area Weighted 90%	Fair Share (millions)
California Dept of Transportation (non-Toll)	59.73	507.14
California Dept of Transportation (Toll)	7.34	62.35
City/Town/County	32.32	274.38
Department of Water Resources	0.26	2.17
California Dept of Parks and Recreation	0.10	0.86
California Department of Forestry	0.02	0.13
Department of Fish and Game	0.00	0.01
Golden Gate Bridge Highway & Trans Dist.	0.22	1.83
College/University	0.01	0.05
California State Lands Commission	0.01	0.05
Bay Area Rapid Transit	0.00	0.01
CDCR - Centinela State Prison	0.00	0.01
California High Speed Rail Authority	0.00	-

TOTALS

Option 4 – 100% POOR weighting

- Deck area is weighted 100% for POOR condition area
- Deck area is weighted 0% for FAIR condition bridges
- This approach focuses all funding to POOR condition bridges
- This generally shifts funding from the State to Local Agencies because the State's FAIR area is 3 times that of the locals

Option 4 – 100% POOR Condition Weighting

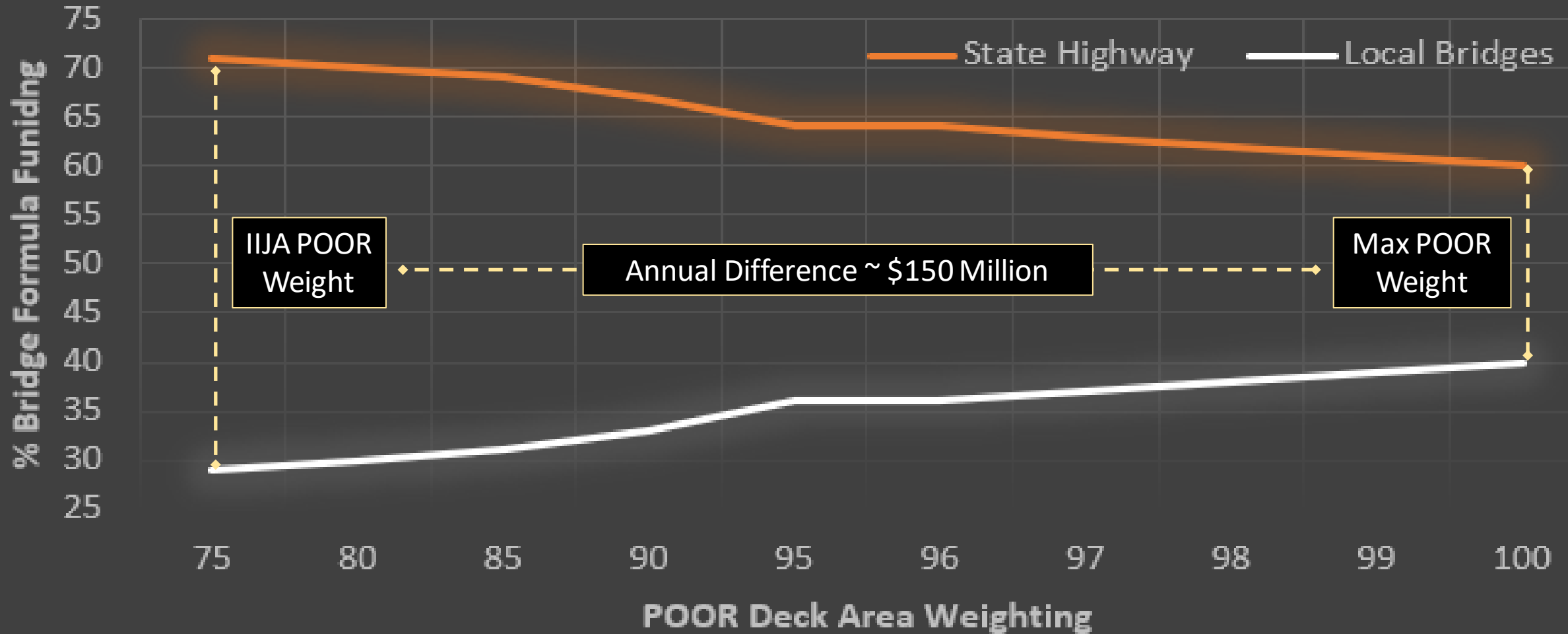
	Option 4	
	Poor Area Weighted 100%	Fair Share (millions)
California Dept of Transportation (non-Toll)	48.41	411.03
California Dept of Transportation (Toll)	11.15	94.64
City/Town/County	39.92	338.92
Department of Water Resources	0.35	2.95
California Dept of Parks and Recreation	0.16	1.33
California Department of Forestry	0.01	0.11
Department of Fish and Game	0.00	0.02
Golden Gate Bridge Highway & Trans Dist.	0.00	-
College/University	0.00	-
California State Lands Commission	0.00	-
Bay Area Rapid Transit	0.00	-
CDCR - Centinela State Prison	0.00	-
California High Speed Rail Authority	0.00	-

TOTALS

IIJA Principles and California Observations

- Congress intended a mix of FAIR and POOR investments
- All measurements are by surface area to equalize bridge sizes
- At IIJA FAIR and POOR condition weights funding would be 79% state and 21% local
- Greater than IIJA emphasis on POOR condition shifts funding between state and local bridge owners
- At 100% POOR condition weighting funding would be approximately 60% state and 40% local

Percentage IJA Bridge Formula Funding Splits (Various POOR Condition Weights)



Side by Side Comparison of Options

	Option 1		Option 2		Option 3		Option 4	
	Total Inventory Approach %	Fair Share (millions)	IJA Weighted 75% Poor Area	Fair Share (millions)	Poor Area Weighted 90%	Fair Share (millions)	Poor Area Weighted 100%	Fair Share (millions)
California Dept of Transportation (non-Toll)	74.09	629.06	65.91	559.58	59.73	507.14	48.41	411.03
California Dept of Transportation (Toll)	3.03	25.72	5.27	44.72	7.34	62.35	11.15	94.64
City/Town/County	22.48	190.86	28.17	239.17	32.32	274.38	39.92	338.92
Department of Water Resources	0.09	0.80	0.21	1.74	0.26	2.17	0.35	2.95
California Dept of Parks and Recreation	0.04	0.30	0.07	0.60	0.10	0.86	0.16	1.33
California Department of Forestry	0.01	0.10	0.02	0.15	0.02	0.13	0.01	0.11
Department of Fish and Game	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.02
Golden Gate Bridge Highway & Trans Dist.	0.22	1.87	0.33	2.83	0.22	1.83	0.00	-
College/University	0.01	0.11	0.01	0.08	0.01	0.05	0.00	-
California State Lands Commission	0.01	0.05	0.01	0.07	0.01	0.05	0.00	-
Bay Area Rapid Transit	0.01	0.04	0.00	0.02	0.00	0.01	0.00	-
CDCR - Centinela State Prison	0.00	0.01	0.00	0.01	0.00	0.01	0.00	-
California High Speed Rail Authority	0.01	0.08	0.00	-	0.00	-	0.00	-

TOTALS

Related Action Plan Items

- Federal funding will be made available on a fiscal year basis
- Funds distribution will be re-evaluated for Federal Fiscal Year 2023/24
 - Reflect inventory and condition at the time
 - Include an evaluation of the allocations and obligation plans
- Local funds will be distributed through the existing Bridge Advisory Committee structure
- State bridge funds will be distributed through existing SHOPP processes including CTC approval.
- The funding option selected may constrain eligible work

Next Steps

- Test on /off Federal Aid system criteria against funding options to ensure compliance
- Evaluate the viability of executing each funding option
- Next meeting will be in 3 weeks and we will review the Draft Final Action Plan
- Submit comments on the current draft if you haven't already
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