



# Metropolitan Transportation Commission

Bay Area Metro Center  
375 Beale Street  
San Francisco, CA 94105

## Meeting Agenda

### Operations Committee

#### *Committee Members:*

*Carol Dutra-Vernaci, Chair      Damon Connolly, Vice Chair*

*Eddie Ahn, David Canepa, Victoria Fleming,  
Sam Liccardo, Libby Schaaf, and James P. Spering*

*Non-Voting Members: Dorene M. Giacomini and Vacant*

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Friday, July 9, 2021

9:35 AM

Board Room - 1st Floor (REMOTE)

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In light of Governor Newsom's State of Emergency declaration regarding the COVID-19 outbreak and in accordance with Executive Order N-29-20 issued by Governor Newsom on March 17, 2020 and the Guidance for Gatherings issued by the California Department of Public Health, the meeting will be conducted via webcast, teleconference, and Zoom for Committee members who will participate in the meeting from individual remote locations.

A Zoom panelist link for meeting participants will be sent separately to Committee members.

The meeting webcast will be available at <http://mtc.ca.gov/whats-happening/meetings>. Members of the public are encouraged to participate remotely via Zoom at the following link or phone number. Committee Members and members of the public participating by Zoom wishing to speak should use the "raise hand" feature or dial \*9. When called upon, unmute yourself or dial \*6. In order to get the full Zoom experience, please make sure your application is up to date.

**Attendee Link:** <https://bayareametro.zoom.us/j/82706335899>

**iPhone One-Tap:** US: +16699006833,,82706335899# or +14086380968,,82706335899#

**Join by Telephone** (for higher quality, dial a number based on your current location) US: +1 669 900 6833 or +1 408 638 0968 or +1 346 248 7799 or +1 253 215 8782 or +1 646 876 9923 or +1 301 715 8592 or +1 312 626 6799 or 888 788 0099 (Toll Free) or 877 853 5247 (Toll Free)

**Webinar ID:** 827 0633 5899

**International numbers available:** <https://bayareametro.zoom.us/j/82706335899>

**Detailed instructions on participating via Zoom are available at:**

<https://mtc.ca.gov/how-provide-public-comment-board-meeting-zoom>

Members of the public may participate by phone or Zoom or may submit comments by email at [info@bayareametro.gov](mailto:info@bayareametro.gov) by 5:00 p.m. the day before the scheduled meeting date. Please include the committee or board meeting name and agenda item number in the subject line. Due to the current circumstances there may be limited opportunity to address comments during the meeting. All comments received will be submitted into the record.

**1. Call to Order / Roll Call / Confirm Quorum**

*Quorum: A quorum of this body shall be a majority of its regular voting members (5).*

**2. Pledge of Allegiance / Acknowledgement of the Flag****3. Compensation Announcement – Clerk of the Committee****4. Consent Calendar**

- 4a.**     [21-0868](#)     Approval of Operations Committee Minutes of the June 11, 2021 Meeting

**Action:**             Committee Approval

**Attachments:**     [4a OPS Minutes June 2021.pdf](#)

- 4b.**     [21-0869](#)     Consultant Bench: 2021 Transportation Engineering and Planning Services - Cycle 1  
(ActiveWayz Engineering, Inc.; Advanced Mobility Group; AECOM Technical Services, Inc.; Alta Planning + Design, Inc.; Andrew T. Desautels dba Desautels Consulting, LLC; Arcadis U.S. Inc.; Arup US, Inc.; Atkins North America, Inc.; Cambridge Systematics, Inc.; CHS Consulting Inc. dba CHS Consulting Group; Colby Brown dba Manhan Group LLC; DKS Associates; Elite Transportation Group, Inc.; Fehr & Peers; GHD Inc.; HDR Engineering, Inc.; HNTB Corporation; IBI Group, A California Partnership; Iteris, Inc.; Jacobs Engineering Group Inc.; Kimley-Horn and Associates, Inc.; Kittelson & Associates, Inc.; Milligan Partners Limited Liability Company; NN Engineering Inc. dba NN Engineering Inc.; Parisi Transportation Consulting; Parsons Transportation Group Inc.; Prospect Silicon Valley; RS&H California, Inc.; Silicon Transportation Consultants; Stantec Consulting Services Inc.; STV Incorporated; TDG Engineering, Inc.; TJKM dba TJKM Transportation Consultants; Waycare Technologies; Whitlock & Weinberger Transportation, Inc. dba W-Trans; WSP USA Inc.)

**Action:**             Committee Approval

**Presenter:**        Lulu Mao

**Attachments:**     [4b 2021 Transportation Engineering and Planning Services Bench Final.pdf](#)

- 4c.**     [21-0903](#)     Clipper® Purchase Order - Network Services: AT&T (\$400,000)

**Action:**             Committee Approval

**Presenter:**        Sarah Doggett

**Attachments:**     [4c Purchase Order ATT Network.pdf](#)

- 4d. [21-0907](#) Contract: Regional Traffic Camera System Maintenance Services: ICx Transportation Group, Inc. (\$365,000)
- Action: Committee Approval
- Presenter: Emily Van Wagner
- Attachments: [4d Regional Traffic Camera System Maintenance.pdf](#)
- 4e. [21-0914](#) Contract- Interstate 880 (I-880) Integrated Corridor Management (ICM) Central Segment Project - Design Services: DKS Associates (\$430,000)
- Action: Committee Approval
- Presenter: Mario Ung
- Attachments: [4e Design Service Agreement - I-880 ICM Central Segment \(\\$430,000\).pdf](#)

## 5. Information

- 5a. [21-0870](#) Regional Transit Mapping and Wayfinding Project Update
- Presentation on the findings from Phase 2 of the Regional Transit Mapping and Wayfinding Project and recommendations for next steps.
- Action: Information
- Presenter: Shauna Callow
- Attachments: [5a Regional Mapping and Wayfinding Project Update.pdf](#)

## 6. Public Comment / Other Business

*Committee Members and members of the public participating by Zoom wishing to speak should use the "raise hand" feature or dial \*9. When called upon, unmute yourself or dial \*6.*

## 7. Adjournment / Next Meeting

**The next meeting of the Operations Committee will be Friday, September 10, 2021 at 9:35 a.m. remotely and by webcast as appropriate depending on the status of any shelter in place orders. Any changes to the schedule will be duly noticed to the public.**

**Public Comment:** The public is encouraged to comment on agenda items at Committee meetings by completing a request-to-speak card (available from staff) and passing it to the Committee secretary. Public comment may be limited by any of the procedures set forth in Section 3.09 of MTC's Procedures Manual (Resolution No. 1058, Revised) if, in the chair's judgment, it is necessary to maintain the orderly flow of business.

**Meeting Conduct:** If this meeting is willfully interrupted or disrupted by one or more persons rendering orderly conduct of the meeting unfeasible, the Chair may order the removal of individuals who are willfully disrupting the meeting. Such individuals may be arrested. If order cannot be restored by such removal, the members of the Committee may direct that the meeting room be cleared (except for representatives of the press or other news media not participating in the disturbance), and the session may continue.

**Record of Meeting:** Committee meetings are recorded. Copies of recordings are available at a nominal charge, or recordings may be listened to at MTC offices by appointment. Audiocasts are maintained on MTC's Web site ([mtc.ca.gov](http://mtc.ca.gov)) for public review for at least one year.

**Accessibility and Title VI:** MTC provides services/accommodations upon request to persons with disabilities and individuals who are limited-English proficient who wish to address Commission matters. For accommodations or translations assistance, please call 415.778.6757 or 415.778.6769 for TDD/TTY. We require three working days' notice to accommodate your request.

**可及性和法令第六章:** MTC 根據要求向希望來委員會討論有關事宜的殘疾人士及英語有限者提供服務/方便。需要便利設施或翻譯協助者，請致電 415.778.6757 或 415.778.6769 TDD / TTY。我們要求您在三個工作日前告知，以滿足您的要求。

**Acceso y el Titulo VI:** La MTC puede proveer asistencia/facilitar la comunicación a las personas discapacitadas y los individuos con conocimiento limitado del inglés quienes quieran dirigirse a la Comisión. Para solicitar asistencia, por favor llame al número 415.778.6757 o al 415.778.6769 para TDD/TTY. Requerimos que solicite asistencia con tres días hábiles de anticipación para poderle proveer asistencia.

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Attachments are sent to Committee members, key staff and others as appropriate. Copies will be available at the meeting.

All items on the agenda are subject to action and/or change by the Committee. Actions recommended by staff are subject to change by the Committee.

MTC's Chair and Vice-Chair are ex-officio voting members of all standing Committees.





# Metropolitan Transportation Commission

## Meeting Minutes - Draft

### Operations Committee

#### Agenda Item 4a

Bay Area Metro Center  
375 Beale Street  
San Francisco, CA 94105

#### *Committee Members:*

*Carol Dutra-Vernaci, Chair      Damon Connolly, Vice Chair*

*Eddie Ahn, David Canepa, Victoria Fleming,  
Sam Liccardo, Libby Schaaf, and James P. Spering*

*Non-Voting Members: Dorene M. Giacomini and Vacant*

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Friday, June 11, 2021

9:35 AM

Board Room - 1st Floor (REMOTE)

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#### 1. Roll Call / Confirm Quorum

**Present:** 7 - Vice Chair Connolly, Commissioner Liccardo, Commissioner Spering,  
Commissioner Ahn, Commissioner Canepa, Chair Dutra-Vernaci and Commissioner  
Schaaf

**Absent:** 1 - Commissioner Fleming

Non-Voting Member Present: Commissioner Giacomini

Ex Officio Voting Members Present: Commission Chair Pedroza and

Commission Vice Chair Josefowitz

Ad Hoc Non-Voting Members Present: Commissioner Rabbitt and Commissioner Worth

#### 2. Pledge of Allegiance / Acknowledgement of the Flag

#### 3. Compensation Announcement – Clerk of the Committee

#### 4. Consent Calendar

Upon the motion by Vice Chair Connolly and second by Commissioner Spering,  
the Consent Calendar was unanimously approved. The motion carried by the  
following vote:

**Aye:** 6 - Vice Chair Connolly, Commissioner Liccardo, Commissioner Spering,  
Commissioner Ahn, Commissioner Canepa and Chair Dutra-Vernaci

**Absent:** 2 - Commissioner Schaaf and Commissioner Fleming

4a. [21-0773](#) Approval of Operations Committee Minutes of the May 14, 2021 Meeting

**Action:** Committee Approval

**Attachments:** [4a OPS Minutes May 2021.pdf](#)

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- 4b. [21-0774](#) Contract - Motorist Aid System Support: TeleTran Tek Services, Inc. (\$500,000)  
Action: Committee Approval  
Presenter: Stephen Terrin  
Attachments: [4b\\_Contract\\_Motorist Aid System Support \(Vendor\).pdf](#)
- 4c. [21-0775](#) Funding Agreement Amendment - "Safe on 17" Program: Santa Cruz County Regional Transportation Commission (\$150,000)  
Action: Committee Approval  
Presenter: Stephen Terrin  
Attachments: [4c\\_Funding Agreement Amendment Safe on 17 Program SCCRTC.pdf](#)
- 4d. [21-0776](#) Third Quarter MTC Service Authority for Freeways and Expressways (SAFE) Financial Statements December 2020  
Action: Information  
Presenter: Raymond Woo  
Attachments: [4d\\_3rd Qtr SAFE Financial Statements FY21.pdf](#)
- 4e. [21-0777](#) Clipper® Contract Amendment - Next Generation Clipper® System Advisor Contract: IBI Group (IBI) (\$1,500,000)  
Action: Committee Approval  
Presenter: Jason Weinstein  
Attachments: [4e\\_IBI C2 Tech Advisor Amendment.pdf](#)
- 4f. [21-0778](#) Clipper® Contract Action: Technical, Strategic, and Long-Range Planning in Support of the Next Generation Clipper® System: Invoke Technologies, Inc. (\$500,000)  
Action: Committee Approval  
Presenter: Jason Weinstein  
Attachments: [4f\\_Clipper Invoke Contract Action\\_Ops Ctte\\_06 11 21.pdf](#)

- 4g.**     [21-0815](#)     Project Awards and Contracts- Program for Arterial System Synchronization (PASS) Fiscal Year 2021-22: Contracts:  
                          i. Kimley-Horn and Associates, Inc. (\$298,500); and  
                          ii. DKS Associates (\$183,000)
- Action:**    i.    Committee Approval  
                          ii.   Committee Approval
- Presenter:**   Robert Rich
- Attachments:**   [4g PASS Project Awards and Contracts.pdf](#)
- 4h.**     [21-0821](#)     Contract Amendment - Resilient State Route 37 Program: Sonoma and Marin Counties Segment A (State Route 37 between US 101 and State Route 121) Design Alternative Assessment: T.Y. Lin International (\$430,000)
- Action:**    Committee Approval
- Presenter:**   Kevin Chen
- Attachments:**   [4h TYLin SR 37 DAA Amendment.pdf](#)

Commissioner Schaaf arrived after the approval of the Consent Calendar.

## 5. Approval

- 5a.**     [21-0779](#)     MTC Service Authority for Freeways and Expressways (SAFE) Resolution No. 68: Fiscal Year 2021-22 Operating and Capital Budget
- A request for Authority approval of MTC SAFE Resolution No. 68, the MTC SAFE FY 2021-22 Operating and Capital Budgets.
- Action:**    Authority Approval
- Presenter:**   Raymond Woo
- Attachments:**   [5a 2021 SAFE Budget-Res. 68. FY21-22.pdf](#)
- Upon the motion by Commissioner Sperling and second by Commissioner Liccardo, MTC Service Authority for Freeways and Expressways (SAFE) Resolution No. 68: Fiscal Year 2021-22 Operating and Capital Budget was referred to the Authority for approval. The motion carried by the following vote:**
- Aye:**    7 -    Vice Chair Connolly, Commissioner Liccardo, Commissioner Sperling, Commissioner Ahn, Commissioner Canepa, Chair Dutra-Vernaci and Commissioner Schaaf
- Absent:**   1 -    Commissioner Fleming

**6. Public Comment / Other Business**

**7. Adjournment / Next Meeting**

**The next meeting of the Operations Committee will be Friday, July 9, 2021 at 9:45 a.m. remotely and by webcast as appropriate depending on the status of any shelter in place orders. Any changes to the schedule will be duly noticed to the public.**

# Metropolitan Transportation Commission Operations Committee

July 9, 2021

Agenda Item 4b

**Consultant Bench: 2021 Transportation Engineering and Planning Services - Cycle 1**  
(ActiveWayz Engineering, Inc.; Advanced Mobility Group; AECOM Technical Services, Inc.; Alta Planning + Design, Inc.; Andrew T. Desautels dba Desautels Consulting, LLC; Arcadis U.S. Inc.; Arup US, Inc.; Atkins North America, Inc.; Cambridge Systematics, Inc.; CHS Consulting Inc. dba CHS Consulting Group; Colby Brown dba Manhan Group LLC; DKS Associates; Elite Transportation Group, Inc.; Fehr & Peers; GHD Inc.; HDR Engineering, Inc.; HNTB Corporation; IBI Group, A California Partnership; Iteris, Inc.; Jacobs Engineering Group Inc.; Kimley-Horn and Associates, Inc.; Kittelson & Associates, Inc.; Milligan Partners Limited Liability Company; NN Engineering Inc. dba NN Engineering Inc.; Parisi Transportation Consulting; Parsons Transportation Group Inc.; Prospect Silicon Valley; RS&H California, Inc.; Silicon Transportation Consultants; Stantec Consulting Services Inc.; STV Incorporated; TDG Engineering, Inc.; TJKM dba TJKM Transportation Consultants; Waycare Technologies; Whitlock & Weinberger Transportation, Inc. dba W-Trans; WSP USA Inc.)

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**Subject:** Staff requests approval of a pre-qualified bench of consultants to provide transportation engineering and planning services through June 30, 2024, with an option to extend for up to an additional two (2) years through June 30, 2026.

**Background:** On April 12, 2021, MTC issued a Request for Qualifications (RFQ) for the 2021 Transportation Engineering and Planning Services – Cycle 1 Consultant Bench (“Bench”), inviting firms to submit a Statement of Qualifications (“SOQ”) for one or more of the following five service categories:

- A. Freeway Operations, Data Analytics and Performance Assessments
- B. Connected and Automated Vehicles, Traffic Sensors, and Other Advanced Technologies
- C. Arterial Operations
- D. Active Transportation Planning and Engineering
- E. Transit Planning and Engineering

Email notification of the opportunity was sent to over 4,770 individuals and firms. Staff hosted a virtual pre-proposal conference on April 19, 2021. Eighty-one (81) individuals participated in the conference. Records indicate that 188 individuals or firms downloaded RFQ-related documents. As of May 13, 2021, the deadline for submission of SOQs, MTC received SOQs from 39 firms, but one SOQ was not reviewed due to a conflict of interest. The remaining 38 SOQs were evaluated, many of which applied to more than one service category, as shown in the table below. All firms met the minimum qualifications.

CATEGORY	NUMBER OF TOTAL APPLICANTS	NUMBER OF DBE PRIME APPLICANTS*	NUMBER OF SBE PRIME APPLICANTS*
A. Freeway Operations, Data Analytics and Performance Assessments	25	4	7
B. Connected and Automated Vehicles, Traffic Sensors, and Other Advanced Technologies	25	3	4
C. Arterial Operations	14	0	2
D. Active Transportation Planning and Engineering	22	2	5
E. Transit Planning and Engineering	18	0	0
<b>TOTAL FIRMS</b>	<b>38</b>	<b>6</b>	<b>10</b>

\*NOTE: DBE firms may also be SBE firms and vice versa.

Separate evaluation panels comprised of MTC and external staff, including from Caltrans, SamTrans, Santa Clara Valley Transportation Authority, and City of Concord, reviewed applicants for each service category based upon the following evaluation criteria:

1. Experience and qualifications of the firm	40%
2. Experience and qualifications of the proposed staff	40%
3. Presentation	<u>20%</u>
Possible Total:	100%

For each service category, the firms that the evaluation panels recommend for inclusion on the Bench are indicated with the number “1” in Attachment A. All recommended firms demonstrate expertise in the service category(ies) for which they were selected and provide a mix of local and national experience and expertise that will be valuable in helping MTC and local agencies advance transportation engineering and planning efforts in the Bay Area. Firms which are not recommended for inclusion on the Bench for a particular service category are indicated by the number “0” in Attachment A. A summary of each firm’s SBE/DBE status is listed by service category on Attachment B.


Firms approved in Cycle 1 will be eligible for work throughout the approved term of the Bench. Selection for entry into a contract with one of the pre-qualified consultants may take place by direct selection or via a mini-procurement, pursuant to MTC’s Third-Party Contracting Policies and Procedures. Additional firms may be added to the Bench in response to re-issuance of the RFQ in later cycles. Contract periods of performance and amounts will be determined on a per-contract basis based on the project solicited to the Bench. Staff will return to the Committee for authorization of any contracts exceeding the Executive Director’s signature authority.

Cooperative use language included in the RFQ allows other public entities to utilize firms on the Bench for their own projects and programs.

**Issues:** None

**Recommendation:** Staff recommends that the Operations Committee approve the pre-qualified consultants identified in Attachment A for the 2021 Transportation Engineering and Planning Services Bench to provide transportation engineering and planning consulting services in the specified categories on an as-needed basis, for a period through June 30, 2024, with an option to extend through June 30, 2026.

**Attachments:** Attachment A: List of Pre-Qualified Panel of Consultants for the 2021 Transportation Engineering and Planning Consultant Bench – List of Firms and Service Categories  
Attachment B: Disadvantaged Business Enterprise and Small Business Enterprise Status

  
Therese W. McMillan

**2021 Transportation Engineering and Planning Services Consultant Bench List of Firms and Service Categories**

	<b>FIRM NAME</b>	<b>A. Freeway Operations, Data Analytics and Performance Assessments</b>	<b>B. Connected and Automated Vehicles, Traffic Sensors, and Other Advanced Technologies</b>	<b>C. Arterial Operations</b>	<b>D. Active Transportation Planning and Engineering</b>	<b>E. Transit Planning and Engineering</b>
<b>1</b>	ActiveWayz Engineering, Inc.				1	
<b>2</b>	Acumen Building Enterprise, Inc.	0	0			
<b>3</b>	Advanced Mobility Group	1	1	1	1	
<b>4</b>	AECOM Technical Services, Inc.	1	1	0		
<b>5</b>	Alta Planning + Design, Inc.				1	
<b>6</b>	Andrew T. Desautels dba Desautels Consulting, LLC	1	0			1
<b>7</b>	Arcadis U.S. Inc.		1		0	
<b>8</b>	Arup US, Inc.				1	1
<b>9</b>	Atkins North America, Inc.	1	1	0	1	1
<b>10</b>	Cambridge Systematics, Inc.	1	1	0	1	1
<b>11</b>	CHS Consulting Inc. dba CHS Consulting Group	1	1			
<b>12</b>	Colby Brown dba Manhan Group LLC	1			0	0
<b>13</b>	DKS Associates	1	1	1		1
<b>14</b>	Elite Transportation Group, Inc.	1				
<b>15</b>	Fehr & Peers	1	1	1	1	1
<b>16</b>	GHD Inc.				1	
<b>17</b>	HDR Engineering, Inc.	1	1			1
<b>18</b>	HNTB Corporation	1	1	1		
<b>19</b>	IBI Group, A California Partnership	1	1	1	1	1



20	Iteris, Inc.	1	1	1		1
21	Jacobs Engineering Group Inc.		1		0	1
22	Kimley-Horn and Associates, Inc.	1	1	1	1	1
23	Kittelson & Associates, Inc.	1	1		1	1
24	Matthew Nichols dba Matt Nichols Consulting				0	
25	Milligan Partners Limited Liability Company	1	0			
26	NN Engineering Inc. dba NN Engineering Inc.		0	0	1	1
27	Parisi Transportation Consulting				1	
28	Parsons Transportation Group Inc.	1	1	0	1	1
29	Prospect Silicon Valley		1			
30	Rajappan & Meyer Consulting Engineers, Inc.	0				
31	RS&H California, Inc.		1			
32	Silicon Transportation Consultants	1	1			
33	Stantec Consulting Services Inc.	1	1			1
34	STV Incorporated					1
35	TDG Engineering, Inc.				1	
36	TJKM dba TJKM Transportation Consultants	1		1	1	
37	Waycare Technologies	1				
38	Whitlock & Weinberger Transportation, Inc. dba W-Trans				1	
39	WSP USA Inc.	1	1	0	1	1
	Total Number of Applicants	25	25	14	22	18
	Total Number of Accepted Prime DBE Firms*	3 out of 3	2 out of 3	0 out of 0	2 out of 2	0 out of 0
	Total Number of Accepted Prime SBE Firms*	5 out of 6	3 out of 4	2 out of 2	5 out of 5	0 out of 0
	Total Number of Accepted Applicants	23	21	8	18	17

\*NOTE: DBE firms may also be SBE firms and vice versa.

**Disadvantaged Business Enterprise and Small Business Enterprise Status**

<b>Service Category A: Freeway Operations, Data Analytics and Performance Assessments</b>		<b>DBE # (not a DBE if no number is provided)</b>	<b>SBE # (not an SBE if no number is provided)</b>
<b>ROLE</b>	<b>FIRM</b>		
Prime	Advanced Mobility Group	--	2013484
Sub	GHD, Inc.	--	--
Prime	AECOM Technical Services, Inc.	--	--
Sub	Elite Transportation Group, Inc.	45726	2011002
Prime	Andrew T. Desautels dba Desautels Consulting, LLC	--	--
Sub	Mark Kiefer Consulting, LLC	--	7149
Prime	Atkins North America, Inc.	--	--
Sub	TransSIGHT, LLC	42484	2004682
Sub	TJKM, Inc.	--	38780
Prime	Cambridge Systematics, Inc.	--	--
Sub	California PATH*	--	--
Sub	Corey, Canapary & Galanis (CC&G)	--	32928
Prime	CHS Consulting Inc. dba CHS Consulting Group	32117	1142562
Sub	Arup US, Inc.	--	--
Sub	Barrios Transportation Associates	--	--
Prime	Colby Brown dba Manhan Group LLC	--	--
Prime	DKS Associates	--	--
Sub	TransSIGHT, LLC	42484	2004682
Prime	Elite Transportation Group, Inc.	45726	2011002
Sub	Barrios Transportation Consulting (BTC)	--	--
Prime	Fehr & Peers	--	--
Sub	Barrios Transportation Consulting	--	--
Sub	Diablo Engineering Group	42626	2005141
Sub	Gray-Bowen-Scott	--	1756291
Prime	HDR Engineering, Inc.	--	--
Sub	Elite Transportation Group, Inc.	45726	2011002

Service Category A: Freeway Operations, Data Analytics and Performance Assessments		DBE # (not a DBE if no number is provided)	SBE # (not an SBE if no number is provided)
ROLE	FIRM		
Sub	Fehr & Peers	--	--
Sub	TransSIGHT, LLC	42484	2004682
Prime	HNTB Corporation	--	--
Prime	IBI Group, A California Partnership	--	--
Prime	Iteris, Inc.	--	--
Sub	Idax	--	--
Sub	Wiltec	8440	--
Prime	Kimley-Horn and Associates, Inc.	--	--
Sub	Elite Transportation Group, Inc.	45726	2011002
Sub	Guida Surveying, Inc.	--	26277
Sub	PARIKH Consultants, Inc.	20259	9631
Sub	Unico Engineering, Inc.	41342	1756792
Sub	Wiltec	8440	--
Sub	Winter Consulting Group, LLC	42874	--
Sub	WRECO	30066	60800
Prime	Kittelson & Associates, Inc.	--	--
Sub	CDM Smith	--	--
Prime	Milligan Partners Limited Liability Company	--	--
Prime	Parsons Transportation Group Inc.	--	--
Sub	SMG	--	--
Sub	Fehr & Peers	--	--
Sub	Circlepoint	--	40528
Sub	Baypac Consult, Inc.	42358	2004950
Sub	TransSIGHT, LLC	42484	2004682
Prime	Silicon Transportation Consultants	43097	1802481
Sub	Larson Consulting Associates, LLC	44382	--
Sub	Toll Insight	--	--

Service Category A: Freeway Operations, Data Analytics and Performance Assessments		DBE # (not a DBE if no number is provided)	SBE # (not an SBE if no number is provided)
ROLE	FIRM		
Prime	Stantec Consulting Services Inc.	--	--
Prime	TJKM dba TJKM Transportation Consultants	--	38780
Prime	Waycare Technologies	--	--
Prime	WSP USA Inc.	--	--
Sub	Elite Transportation Group	45726	2011002
Sub	System Metrics Group, Inc.	--	23091

Service Category B: Connected and Automated Vehicles, Traffic Sensors, and Other Advanced Technologies		DBE # (not a DBE if no number is provided)	SBE # (not an SBE if no number is provided)
ROLE	FIRM		
Prime	Advanced Mobility Group	--	2013484
Sub	GHD, Inc.	--	--
Prime	AECOM Technical Services, Inc.	--	--
Sub	JMC Rota, Inc.	--	--
Prime	Arcadis U.S. Inc.	--	--
Prime	Atkins North America, Inc.	--	--
Sub	TransSIGHT, LLC	42484	2004682
Sub	Niti Systems Consultants, Inc.	47874	--
Prime	Cambridge Systematics, Inc.	--	--
Sub	California PATH*	--	--
Sub	Corey, Canapary & Galanis (CC&G)	--	32928
Sub	Susan Shaheen	--	--
Sub	Adam Cohen	--	--
Prime	CHS Consulting Inc. dba CHS Consulting Group	32117	1142562
Prime	DKS Associates	--	--
Sub	TransSIGHT, LLC	42484	2004682
Prime	Fehr & Peers	--	--
Sub	Advanced Mobility Group	--	2013484
Sub	Gray-Bowen-Scott	--	1756291
Sub	Prospect Silicon Valley	--	--
Prime	HDR Engineering, Inc.	--	--
Sub	Elite Transportation Group, Inc.	45726	2011002
Sub	Fehr & Peers	--	--
Sub	TransSIGHT, LLC	42484	2004682
Prime	HNTB Corporation	--	--
Prime	IBI Group, A California Partnership	--	--
Prime	Iteris, Inc.	--	--

Service Category B: Connected and Automated Vehicles, Traffic Sensors, and Other Advanced Technologies		DBE # (not a DBE if no number is provided)	SBE # (not an SBE if no number is provided)
ROLE	FIRM		
Prime	Jacobs Engineering Group Inc.	--	--
Prime	Kimley-Horn and Associates, Inc.	--	--
Sub	Wiltec	8440	--
Prime	Kittelson & Associates, Inc.	--	--
Prime	Parsons Transportation Group Inc.	--	--
Sub	SMG	--	--
Sub	Fehr & Peers	--	--
Sub	Baypac Consult, Inc.	42358	2004950
Sub	TransSIGHT, LLC	42484	2004682
Prime	Prospect Silicon Valley	--	--
Prime	RS&H California, Inc.	--	--
Prime	Silicon Transportation Consultants	43097	1802481
Sub	Larson Consulting Associates, LLC	44382	--
Sub	Toll Insight	--	--
Prime	Stantec Consulting Services Inc.	--	--
Prime	WSP USA Inc.	--	--
Sub	System Metrics Group, Inc.	--	23091

Service Category C: Arterial Operations		DBE # (not a DBE if no number is provided)	SBE # (not an SBE if no number is provided)
ROLE	FIRM		
Prime	Advanced Mobility Group	--	2013484
Prime	DKS Associates	--	--
Sub	TransSIGHT, LLC	42484	2004682
Prime	Fehr & Peers	--	--
Sub	Advanced Mobility Group	--	2013484
Sub	Barrios Transportation Consulting	--	--
Sub	Gray-Bowen-Scott	--	1756291
Prime	HNTB Corporation	--	--
Prime	IBI Group, A California Partnership	--	--
Prime	Iteris, Inc.	--	--
Sub	Idax	--	--
Sub	Wiltec	8440	--
Prime	Kimley-Horn and Associates, Inc.	--	--
Sub	Elite Transportation Group, Inc.	45726	2011002
Sub	Guida Surveying, Inc.	--	26277
Sub	PARIKH Consultants, Inc.	20259	9631
Sub	Unico Engineering, Inc.	41342	1756792
Sub	Wiltec	8440	--
Sub	Winter Consulting Group, LLC	42874	--
Sub	WRECO	30066	60800
Prime	TJKM dba TJKM Transportation Consultants	--	38780

Service Category D: Active Transportation Planning and Engineering		DBE # (not a DBE if no number is provided)	SBE # (not an SBE if no number is provided)
ROLE	FIRM		
Prime	ActiveWayz Engineering, Inc.	43754	2002975
Sub	DKS Associates	--	--
Sub	David J. Powers & Associates	38205	--
Sub	PLS Surveys, Inc.	--	23695
Prime	Advanced Mobility Group	--	2013484
Prime	Alta Planning + Design, Inc.	--	--
Sub	Rincon Consultants, Inc.	--	--
Sub	Sandis Civil Engineers Surveyors Planners	--	19730
Sub	WRECO	30066	60800
Prime	Arup US, Inc.	--	--
Sub	Chaudhary & Associates, Inc.	3110	14927
Sub	Gehl Studio	--	--
Sub	Plural	--	--
Sub	Reflex Design Collective, LLC	46293	2011622
Sub	TDG Engineering, Inc.	--	--
Sub	Winter Consulting Group, LLC	42874	--
Sub	WRT	--	--
Prime	Atkins North America, Inc.	--	--
Sub	Intueor Consulting, Inc.	35386	44932
Sub	Niti Systems Consultants, Inc.	47874	--
Sub	TJKM, Inc.	--	38780
Sub	TransSIGHT, LLC	42484	2004682
Sub	VRPA Technologies, Inc.	12213	23973
Prime	Cambridge Systematics, Inc.	--	--
Sub	California PATH*	--	--
Sub	Corey, Canapary & Galanis (CC&G)	--	32928
Sub	Susan Shaheen	--	--



Service Category D: Active Transportation Planning and Engineering		DBE # (not a DBE if no number is provided)	SBE # (not an SBE if no number is provided)
ROLE	FIRM		
Sub	Adam Cohen	--	--
Prime	Fehr & Peers	--	--
Sub	Community Design + Architecture	--	20811
Sub	Diablo Engineering Group	42626	2005141
Sub	Gray-Bowen-Scott	--	1756291
Prime	GHD Inc.	--	--
Sub	Circlepoint	--	40528
Prime	IBI Group, A California Partnership	--	--
Prime	Kimley-Horn and Associates, Inc.	--	--
Sub	Elite Transportation Group, Inc.	45726	2011002
Sub	Guida Surveying, Inc.	--	26277
Sub	PARIKH Consultants, Inc.	20259	9631
Sub	Unico Engineering, Inc.	41342	1756792
Sub	Wiltec	8440	--
Sub	Winter Consulting Group, LLC	42874	--
Sub	WRECO	30066	60800
Prime	Kittelson & Associates, Inc.	--	--
Prime	NN Engineering Inc. dba NN Engineering Inc.	--	--
Sub	Perkins & Will	--	--
Sub	Ross & Baruzzini	--	--
Sub	Sam Schwartz	--	--
Sub	TY Lin International	--	--
Sub	Corey, Canapary & Galanis (CC&G)	--	32928
Sub	Chaudhary & Associates, Inc.	3110	14927
Sub	Civic Edge Consulting, LLC	47045	1800102
Sub	Ewald & Wasserman Research Consultants, LLC	--	1002181
Sub	Metta Urban Design LLC	49782	--

Service Category D: Active Transportation Planning and Engineering		DBE # (not a DBE if no number is provided)	SBE # (not an SBE if no number is provided)
ROLE	FIRM		
Sub	Monument	--	--
Sub	PARIKH Consultants, Inc.	20259	9631
Sub	Rincon Consultants, Inc.	--	--
Sub	WRECO	30066	60800
Prime	Parisi Transportation Consulting	--	2000013
Prime	Parsons Transportation Group Inc.	--	--
Sub	SMG	--	--
Sub	Fehr & Peers	--	--
Sub	Circlepoint	--	40528
Sub	Baypac Consult, Inc.	42358	2004950
Sub	TransSIGHT, LLC	42484	2004682
Prime	TDG Engineering, Inc.	--	--
Sub	DKS Associates	--	--
Sub	Chaudhary & Associates, Inc.	3110	14927
Sub	Rincon Consultants, Inc.	--	--
Prime	TJKM dba TJKM Transportation Consultants	--	38780
Sub	BKF Engineers	--	--
Prime	Whitlock & Weinberger Transportation, Inc. dba W-Trans	26209	9829
Prime	WSP USA Inc.	--	--
Sub	Parisi Transportation Consulting	--	2000013

Service Category E: Transit Planning and Engineering		DBE # (not a DBE if no number is provided)	SBE # (not an SBE if no number is provided)
ROLE	FIRM		
Prime	Andrew T. Desautels dba Desautels Consulting, LLC	--	--
Sub	Mark Kiefer Consulting, LLC	--	7149
Prime	Arup US, Inc.	--	--
Sub	Chaudhary & Associates, Inc.	3110	14927
Sub	CHS Consulting Group	32117	1142562
Sub	Reflex Design Collective, LLC	46293	2011622
Sub	Winter Consulting Group, LLC	42874	--
Prime	Atkins North America, Inc.	--	--
Sub	Intueor Consulting, Inc.	35386	44932
Sub	Niti Systems Consultants, Inc.	47874	--
Sub	VRPA Technologies, Inc.	12213	23973
Prime	Cambridge Systematics, Inc.	--	--
Prime	DKS Associates	--	--
Sub	TransSIGHT, LLC	42484	2004682
Prime	Fehr & Peers	--	--
Sub	Community Design + Architecture	--	20811
Sub	Diablo Engineering Group	42626	2005141
Sub	Gray-Bowen-Scott	--	1756291
Sub	LK Planning, LLC	46852	--
Prime	HDR Engineering, Inc.	--	--
Sub	Elite Transportation Group, Inc.	45726	2011002
Sub	Fehr & Peers	--	--
Sub	TransSIGHT, LLC	42484	2004682
Prime	IBI Group, A California Partnership	--	--
Prime	Iteris, Inc.	--	--
Prime	Jacobs Engineering Group Inc.	--	--
Prime	Kimley-Horn and Associates, Inc.	--	--

Service Category E: Transit Planning and Engineering		DBE # (not a DBE if no number is provided)	SBE # (not an SBE if no number is provided)
ROLE	FIRM		
Sub	Elite Transportation Group, Inc.	45726	2011002
Sub	Guida Surveying, Inc.	--	26277
Sub	PARIKH Consultants, Inc.	20259	9631
Sub	Unico Engineering, Inc.	41342	1756792
Sub	Wiltec	8440	--
Sub	Winter Consulting Group, LLC	42874	--
Sub	WRECO	30066	60800
Prime	Kittelson & Associates, Inc.	--	--
Sub	CDM Smith	--	--
Prime	NN Engineering Inc. dba NN Engineering Inc.	--	--
Sub	Corey, Canapary & Galanis (CC&G)	--	32928
Sub	Chaudhary & Associates, Inc.	3110	14927
Sub	Civic Edge Consulting, LLC	47045	1800102
Sub	Ewald & Wasserman Research Consultants, LLC	--	1002181
Sub	Metta Urban Design LLC	49782	--
Sub	Monument	--	--
Sub	PARIKH Consultants, Inc.	20259	9631
Sub	Rincon Consultants, Inc.	--	--
Sub	WRECO	30066	60800
Prime	Parsons Transportation Group Inc.	--	--
Sub	SMG	--	--
Sub	Fehr & Peers	--	--
Sub	Circlepoint	--	40528
Sub	Baypac Consult, Inc.	42358	2004950
Sub	TransSIGHT, LLC	42484	2004682
Prime	Stantec Consulting Services Inc.	--	--
Prime	STV Incorporated	--	--

Service Category E: Transit Planning and Engineering		DBE # (not a DBE if no number is provided)	SBE # (not an SBE if no number is provided)
ROLE	FIRM		
Sub	Advanced Mobility Group	--	2013484
Sub	W&S Solutions, LLC	38506	1523444
Prime	WSP USA Inc.	--	--
Sub	Primus Consulting	--	2012979
Sub	System Metrics Group, Inc.	--	23091

## REQUEST FOR COMMITTEE APPROVAL

### Summary of Proposed Consultant Bench

Work Item No.:	To be determined on a per-contract basis
Consultants:	See Attachment A to the Operations Committee Summary Sheet dated July 9, 2021
Work Project Title:	2021 Transportation Engineering and Planning Services Bench – Cycle 1
Purpose of Project:	Provide as-needed transportation engineering and planning consulting services to support MTC
Brief Scope of Work:	Provide as-needed transportation engineering and planning consulting assistance in the following service categories: <ul style="list-style-type: none"><li>A. Freeway Operations, Data Analytics and Performance Assessments</li><li>B. Connected and Automated Vehicles, Traffic Sensors, and Other Advanced Technologies</li><li>C. Arterial Operations</li><li>D. Active Transportation Planning and Engineering</li><li>E. Transit Planning and Engineering</li></ul>
Project Cost Not to Exceed:	To be determined on a per-contract basis.
Funding Source:	To be determined on a per-contract basis.
Fiscal Impact:	No immediate fiscal impact until contracts are awarded. Funds for future fiscal years are subject to agency budgetary approval.
Motion by Committee:	That the consultants listed in Attachment A to the Operations Committee Summary Sheet dated July 9, 2021, be pre-qualified to enter into contracts with MTC to provide as-needed transportation engineering and planning consulting services through June 30, 2024, with an option to extend for an additional two years to June 30, 2026, as described above and in the Operations Committee Summary Sheet dated July 9, 2021, subject to applicable contract approval procedures and necessary budget approvals.
Operations Committee:	<hr/> Carol Dutra-Vernaci, Chair
Approved:	July 9, 2021

**Metropolitan Transportation Commission  
Operations Committee**

July 9, 2021

Agenda Item 4c

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**Clipper® Purchase Order – Network Services: AT&T (\$400,000)**

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**Subject:** Request for approval of a purchase order for Clipper® Network Services for Fiscal Year 2021-22: AT&T (\$400,000).

**Background:** AT&T provides network services for the Clipper® system that enable connections between card readers, other Clipper® devices, data servers, and the Clipper® Central System. Per the Clipper® Memorandum of Understanding, approximately 95% of this cost is reimbursed by participating transit operators. This purchase order would cover network operations during Fiscal Year 2021-22.

AT&T is neither a small business nor a disadvantaged business enterprise and has no subcontractors for this work.

The June 2021 meeting of the Clipper® Executive Board (CEB), at which this purchase order would have been presented and considered, was cancelled. While for Clipper® contract actions the normal sequence is for CEB approval to precede Operations Committee consideration, in light of the importance of uninterrupted network service to Clipper® operations, staff recommends that this Committee approve this purchase order subject to subsequent approval by the CEB at its next scheduled meeting.

**Issues:** None.

**Recommendation:** Staff recommends that the Operations Committee authorize the Executive Director or designee to issue a purchase order to AT&T in an amount not to exceed \$400,000 for the network services described above, with this approval subject to subsequent approval by the CEB.

  
Therese W. McMillan

## REQUEST FOR OPERATIONS COMMITTEE APPROVAL

### Summary of Proposed Purchase Order

Consultant:	AT&T Carol Stream, IL
Work Project Title:	Clipper® Network Services
Purpose of Project:	To provide network services for the Clipper® system during FY 2021-2022
Brief Scope of Work:	Provision of network services and operations to allow telecommunications connections between Clipper® devices, data servers and the central system.
Project Cost Not to Exceed:	\$400,000
Funding Source:	Participating Operator funds, STP, CMAQ, STA, STP Exchange, Regional Measure 2 Operating funds, CARES Act funds, Inactive Card funds, Float Account Interest
Fiscal Impact:	Approximately 95% of the funding to be provided by the participating transit operators. Additional funding is included in the MTC Fiscal Year 2021-22 budget.
Motion by Committee:	That the Executive Director or designee is authorized to issue a purchase order to AT&T as described above and in the Operations Committee Summary Sheet dated July 9, 2021, and the Chief Financial Officer is authorized to set aside \$400,000 for such purchase order , subject to subsequent approval by the Clipper® Executive Board.
Operations Committee:	<hr/> Carol Dutra-Vernaci, Chair
Approved:	July 9, 2021



**Metropolitan Transportation Commission  
Operations Committee**

**July 9, 2021**

**Agenda Item 4d**

**Contract: Regional Traffic Camera System Maintenance Services:  
ICx Transportation Group, Inc. (\$365,000)**

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**Subject:** Request for approval of a contract for regional traffic camera system maintenance services.

**Background:** MTC has had a longstanding partnership with Caltrans, focused on active traffic monitoring and incident management. This partnership includes MTC's procurement and management of contracts that have provided critical support for Transportation Management Center (TMC)-related services, including regional highway traffic camera system maintenance.

Under a sole-source contract to MTC, ICx Transportation Group, Inc. (ICx) has provided traffic camera system integration and maintenance services since 2008, when ICx assumed responsibilities for a prime contractor who had defaulted. Following the end of the initial contract in 2019, over the past two years, MTC has entered into two one-year sole-source contracts with ICx during which time MTC coordinated with Caltrans on a dual-pronged approach:

- Caltrans to secure funding to procure (1) a new video wall and (2) a new traffic management software system (and ongoing maintenance services) to provide traffic camera system functionality (new system expected to be operational at Caltrans District 4 by mid-2023); and
- MTC to issue a procurement for maintenance support services for both the legacy video wall and traffic camera system until Caltrans achieves implementation of new systems.

In spring 2020, MTC issued a Request for Proposal (RFP) for TMC-related maintenance services, including both the traffic camera system and the TMC video wall. Over 3,500 firms were notified, seven firms attended the Proposer's Conference, and only one team (ICx as prime with the video wall vendor) submitted a proposal. During the Request for Best and Final Offer phase of the procurement, ICx was unable to obtain required cost estimates from equipment suppliers for inclusion into its Best and Final Offer; since video wall system manufacturers no longer supplied certain system components, it was necessary for ICx to instead reach out directly to secondary market suppliers, who were unable to provide ICx information for inclusion in its Best and Final Offer. Contracts staff, in consultation with project staff, canceled the procurement in fall 2020.

During this past year, under its FY 20-21 contract with MTC, ICx worked closely with MTC and Caltrans to develop an interim solution for the video wall that does not require purchase of any video wall manufacturer components. This interim solution will meet Caltrans' needs until Caltrans installs the new video wall. Maintenance support services are still, however, needed for the regional highway traffic camera system.

ICx has considerable institutional knowledge of the traffic camera system and provides responsive on-call and on-site support. If maintenance support is unavailable, a system fault could significantly disrupt the TMC's management of the highway network, including approaches leading to and from the seven Bay Area Toll Authority-maintained bridges, and diminish MTC's Express Lane operators' ability to monitor traffic on I-680 and I-880 using Caltrans-operated cameras.

Staff therefore recommends that ICx provide regional highway traffic camera support until Caltrans has successfully launched the new traffic system software in 2023. To allow some flexibility should there be any unintended delay in Caltrans' software roll-out, staff recommends an initial two-year contract for \$195,000, with the possibility of up to two one-year extensions at \$85,000 per year—for a four-year contract total not to exceed amount of \$365,000.

ICx Transportation Group, Inc. is neither a small business nor a disadvantaged business enterprise and has no subcontractors.

**Issues:** None.

**Recommendation:** Staff recommends that the Committee authorize the Executive Director or designee to negotiate and enter into a contract with ICx Transportation Group, Inc. to provide regional traffic camera system maintenance support services for an initial two-year term totaling \$195,000, with two optional one-year extensions at \$85,000 per year—for a four-year contract total not to exceed amount of \$365,000.

**Attachments:** None.

  
Therese W. McMillan

## REQUEST FOR COMMITTEE APPROVAL

### Summary of Proposed Contract

Work Item No.:	1223
Consultant	ICx Transportation Group, Inc. San Francisco, CA
Work Project Title:	Maintenance support services for the regional traffic camera system
Purpose of Project:	Provide online and on-site maintenance support services for the regional traffic camera system.
Brief Scope of Work:	Provide technical diagnostics, and online and on-site maintenance services for the regional traffic camera system.
Project Cost Not to Exceed:	Total not to exceed: \$365,000. Initial contract term will be two years with a budget of \$195,000, with options for up to two one-year extensions at \$85,000 per year for a total not to exceed amount of \$365,000.
Funding Source:	BATA Rehabilitation Program funds
Fiscal Impact:	Funding is included in the FY 2021-22 BATA Rehabilitation Program budget.
Motion by Committee:	That the Executive Director or designee is authorized to negotiate and enter into a contract with ICx Transportation Group, Inc. for maintenance support services for the regional traffic camera system as described above and in the Operations Committee Summary Sheet dated July 9, 2021 and that the Chief Financial Officer is authorized to set aside \$365,000 for such contract.
Operations Committee:	<hr/> Carol Dutra-Vernaci, Chair
Approved:	July 9, 2021

## Metropolitan Transportation Commission Operations Committee

July 9, 2021

Agenda Item 4e

### Contract– Interstate 880 (I-880) Integrated Corridor Management (ICM) Central Segment Project – Design Services: DKS Associates (\$430,000)

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**Subject:** Contract for I-880 ICM Central Segment Design Services: DKS Associates (\$430,000).

**Background:** The I-880 ICM Central Segment Project is a collaborative effort led by MTC with the City of San Leandro. The purpose of the project is to actively manage traffic that diverts from the freeway to arterial streets due to incidents on Interstate 880/State Route 238 by installing intelligent transportation system (ITS) adaptive traffic signal control equipment on selected arterial streets in San Leandro. Active transportation management will facilitate safe and efficient traffic flow safely, minimizing impacts to the local streets.

MTC, in coordination with the City of San Leandro, identified the arterial streets in need of traffic signal upgrades to achieve the project objective. The project is located along San Leandro Boulevard and Washington Avenue between West Juana Avenue to Lewelling Boulevard. The project will install new fiber optic lines and traffic signal upgrades at 13 signalized intersections. The project will also improve connectivity to the city's two transportation management centers at City Hall and the corporation yard. The scope of work includes preliminary design engineering, final design, bid support, design support during construction, and system integration and testing coordination.

In April 2021, MTC issued a request for qualifications (RFQ) for design services for this Project. An email advertising the availability of the RFQ on MTC's website was sent to over 3,519 individuals/firms. 27 individuals from 20 firms attended the pre-proposal conference on April 29, 2021. On May 20, 2021, MTC received five statements of qualifications (SOQs) from DKS Associates (DKS), Econolite Systems, Inc. (ESI), Iteris, Inc., Kimley-Horn and Associates, Inc. (KHA), and TJKM Transportation Consultants. A panel comprised of MTC and City of San Leandro staff evaluated the SOQs and short-listed three firms: DKS, KHA, and Iteris, Inc., for interviews on June 2, 2021.

Based on its evaluation of the SOQs and interviews, the panel ranked DKS Associates the highest. DKS' SOQ was determined by the panel to be most advantageous to MTC due to its team's extensive experience with adaptive traffic signal upgrade projects throughout North America. DKS has experience with several programs: MTC's Innovative Deployment to Enhance Arterials (IDEA), MTC's Program for Arterial System Synchronization (PASS), and 12 adaptive traffic control system (ATCS) projects related to intelligent transportation systems and integrated corridor management on the west coast. DKS' proposed approach emphasizes identification of and mitigations for project needs and challenges, specifies traffic equipment at early stages of the project, and utilizes an arterial insights performance monitoring tool to help meet the project schedule.

DKS has successfully completed projects with similar scope and size with various agencies. DKS has worked on MTC projects in recent years and has received positive feedback from project sponsors. The project has a 19% DBE goal, and DKS has identified a 37% DBE commitment. Attachment A includes a summary of DKS and its project team's small business and disadvantaged business enterprise status, as well as summaries for the second- and third-ranked teams, should staff fail to successfully negotiate a contract with DKS.

Staff requests approval to enter into a contract with DKS Associates in an amount not to exceed \$430,000 to provide design services for the I-880 ICM Central Segment project. Following completion of the design in early 2022, staff will return to this Committee to request approval to enter into an agreement with the City of San Leandro for construction and system integration, for which MTC has secured \$1.498 million in federal funding.

**Issues:** None identified.

**Recommendation:** Staff recommends that the Operations Committee authorize the Executive Director or designee to negotiate and enter into a contract with DKS, in an amount not to exceed \$430,000 to provide design services for the I-880 ICM Central Segment project. Should staff fail to successfully negotiate a contract with DKS, staff recommends that the Committee authorize the Executive Director or designee to negotiate and enter into a contract for the aforementioned work with either the second- or third-ranked firm with the same not to exceed amount.

**Attachments:** Attachment A: Disadvantaged Business Enterprise and Small Business Enterprise Status

  
Therese W. McMillan

Disadvantaged Business Enterprise and Small Business Enterprise Status

	Firm Name	Role on Project	DBE* Firm			SBE** Firm		
			Yes	If Yes, List #	No	Yes	Certifying Agency	No
<b>Prime Contractor</b>	<b>DKS Associates</b>	<b>Prime</b>			<b>X</b>			<b>X</b>
Subcontractor	Fehrs & Peers	Design PS&E Technical Reviewer			X			X
Subcontractor	ActiveWayz Engineering	Utility Coordination and Assistance with Permit Applications	X	43754		X	DGS	
Subcontractor	WRECO	Environmental Documentation	X	30060		X	DGS	
Subcontractor	Traffic Pattern	Systems Integration and Testing Support	X	37944				X
Subcontractor	BESS Test Labs	Utility Identification/Certification	X	34267		X	DGS	
Subcontractor	PLS Surveys	Right of Way Mapping/Right of Way Certification			X	X	DGS	
Subcontractor	Wiltec	Traffic Data Collection	X	8440				X

			DBE* Firm			SBE** Firm		
	Firm Name	Role on Project	Yes	If Yes, List #	No	Yes	Certifying Agency	No
<b>Prime Contractor</b>	<b>Iteris</b>	<b>Prime</b>			<b>X</b>			<b>X</b>
Subcontractor	Elite Transportation Group	Traffic Analysis and System Performance	X	45726		X	DGS	
Subcontractor	Noakro Consultants, LLC	Environmental Clearance			X	X	DGS	
Subcontractor	Idax	Traffic Data Collection			X			X
Subcontractor	Exaro Technologies Corporation	Potholing and Utility Location			X	X	DGS	
<b>Prime Contractor</b>	<b>Kimley-Horn</b>	<b>Prime</b>			<b>X</b>	<b>X</b>		
Subcontractor	Associated Right of Way Services, Inc.	Right of Way Services			X	X	DGS	
Subcontractor	Chaudhary & Associates, Inc.	Surveying	X	3110		X	DGS	
Subcontractor	Elite Transportation Group, Inc.	Traffic Analysis	X	45726		X	DGS	
Subcontractor	Exaro Technologies Corporation	Potholing services and identification of existing underground utilities and existing conduit			X	X	DGS	
Subcontractor	Wiltec		X	8440				X

## REQUEST FOR COMMITTEE APPROVAL

### Summary of Proposed Contract

Work Item No.: 1235

Consultant: DKS Associates  
Oakland, CA

Work Project Title: Interstate 880 (I-880) Integrated Corridor Management (ICM) Central Segment Project Design Services

Purpose of Project: To actively manage traffic that diverts from the freeway to arterial streets due to incidents on Interstate 880/State Route 238 by installing intelligent transportation system (ITS) adaptive traffic signal control equipment on selected arterial streets in San Leandro. The project also integrates traffic signals to the City's two transportation management centers at City Hall and the corporation yard.

Brief Scope of Work: Provide overall project management and coordination for the design phase of the project (i.e., preliminary engineering, environmental, right-of-way, final design, bid support, and design support during construction).

Project Cost Not to Exceed: \$430,000

Funding Source: Congestion Mitigation and Air Quality (CMAQ)

Fiscal Impact: Funding is included in the MTC FY 2021-2022 Budget

Motion by Committee: That the Executive Director or designee is authorized to negotiate and enter into a contract with DKS Associates to provide design services for the I-880 ICM Central Segment Project described above and in the Operations Committee Summary Sheet dated July 9, 2021 and that the Chief Financial Officer is authorized to set aside \$430,000 for such contract; and that, should staff fail to successfully negotiate a contract with DKS Associates, the Executive Director or designee is authorized to negotiate and enter into a contract for the aforementioned work with either the second- or third-ranked firm in the same not to exceed amount..

Operations Committee:

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Carol Dutra-Vernaci, Chair

Approved: July 9, 2021



# Metropolitan Transportation Commission Operations Committee

July 9, 2021

Agenda Item 5a

## Regional Transit Mapping and Wayfinding Project Update

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**Subject:** Presentation on the findings from Phase 2 of the Regional Transit Mapping and Wayfinding Project and recommendations for next steps.

**Background:** In January 2017, staff presented the Regional Transit Mapping and Wayfinding Project concept to the Administration Committee. The initial project concept recommended developing a common map language and iconography for use by the region's 28 public transit agencies, and a digital and print prototype of a regional transit map showing the networks for all systems. This was envisioned to build on MTC's Hub Signage Program, which has installed station area maps, directional signage, and real-time signs at 24 transit hubs throughout the region.

In July 2017, staff engaged City ID to undertake the first phase of the project, which included stakeholder interviews, workshops with Bay Area cities and transit operators, development of a roadmap for long-term regional standardization, and design of a prototype regional transit map (see Attachment A, Figure 1). This early research recommended that MTC: 1) develop design standards and resources for all agencies; 2) design a regional network brand to enhance the journey experience; and 3) serve as the regional coordinator for transit mapping.

In January 2019, the Operations Committee approved a contract amendment with City ID to undertake the second phase of the project, which included development of four harmonization tiers (i.e., options) for regional transit mapping and wayfinding standardization (see Attachment A, Figure 2). Tier 1 extends the application of existing Hub Signage Standards to a total of 158 regional and local transit hubs. Tier 2 extends coverage to minor hubs, rail stations, ferry stations, and regional bus stops, totaling 2,457 environments. Tier 3 and Tier 4 have the same regionwide coverage, touching over 18,000 environments ranging from regional hubs to local bus stops. For each environment type, a new family of wayfinding signage and mapping products have been identified to deliver the harmonized system. Alongside the physical implementation, other 'building blocks' for harmonization include a map database, system guidelines, system standards, and a new graphic identity. Tier 4 provides a fully unified network brand identity, subject to suitable network conditions such as operational and fare integration.

Under a separate contract approved by executive director authority in February 2020, Steer, a strategic consulting firm selected from the 2017 On-Call Design Services bench, developed a business case to facilitate identification of a preferred harmonization tier for delivering the project. This business case considered the strategic value, economic benefit, financial impact, and the deliverability and operations of a regional system. The business case analysis found significant benefits for the Bay Area and a strong return on investment of a fully harmonized system (Tier 3) with an option to enable full brand integration (Tier 4) over the longer term, aligned to wider service and fare integration (see Figure 3).

Stakeholder outreach throughout the second phase supports this recommendation. Additionally, public focus groups conducted during Phase 2 found that standardized information and graphics, and unified branding, make travelers feel more confident and make transit easier to navigate. Standardized graphics and symbols were especially important for non-English speakers.

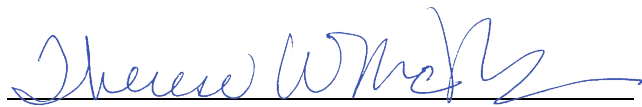
With Phase 2 complete, staff is returning to this Committee to provide an update on findings and recommendations for the next phase of the work (see Attachment B). The next step is to procure consultant services for system design and development, with staff returning for approval later this year. The scope of work would include development of regional design standards for print and digital environments, a kit of mapping resources, a digital mapping database, and a regional graphic identity/branding. While the final cost is subject to the competitive procurement process, staff estimates it will fall in the range of \$4-5 million. Prototype hub testing and possible subregional pilot implementation in several counties that have indicated interest would enable opportunities for public feedback, assessment of inclusive and adaptive design, and recommendations for wider regional deployment. Following design and implementation of the pilots, regional implementation would be phased in over a multi-year period and will require a substantial commitment of funds.

The Blue Ribbon Transit Recovery Task Force (Task Force) is considering recommending that MTC implement this project as a major component of its Transformation Action Plan, which is slated to be approved by the Task Force this July and will be presented to the Commission for adoption in September with implementation and prioritization of key action items to be the topic of an upcoming Commission workshop in October. The Task Force's recommendations include not only development of the regional design standards by mid-2023, but also deployment of two to three North and East Bay consistently-branded subregional pilots by the end of 2024.

**Issues:** Regional deployment and long-term operations and maintenance will require a dedicated funding source and increased staffing commitment by MTC. MTC's role overseeing the system and agency cost-sharing will need to be considered.

**Recommendation:** Information only

**Attachments:** Attachment A: Supporting Figures  
Attachment B: PowerPoint

  
Therese W. McMillan

### Figure 1: Prototype Regional Transit Map

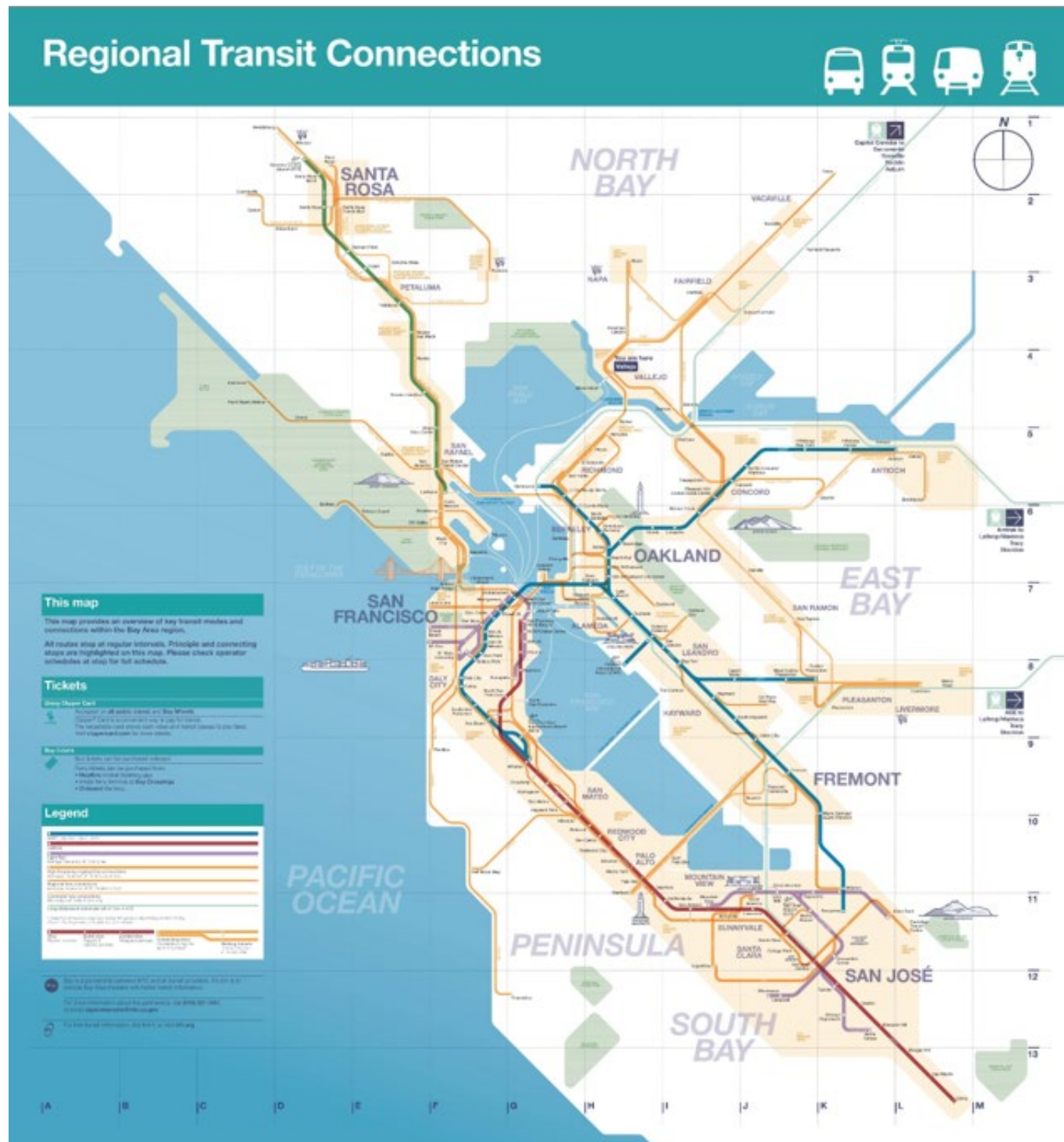





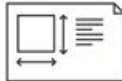
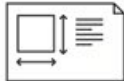






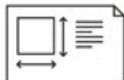













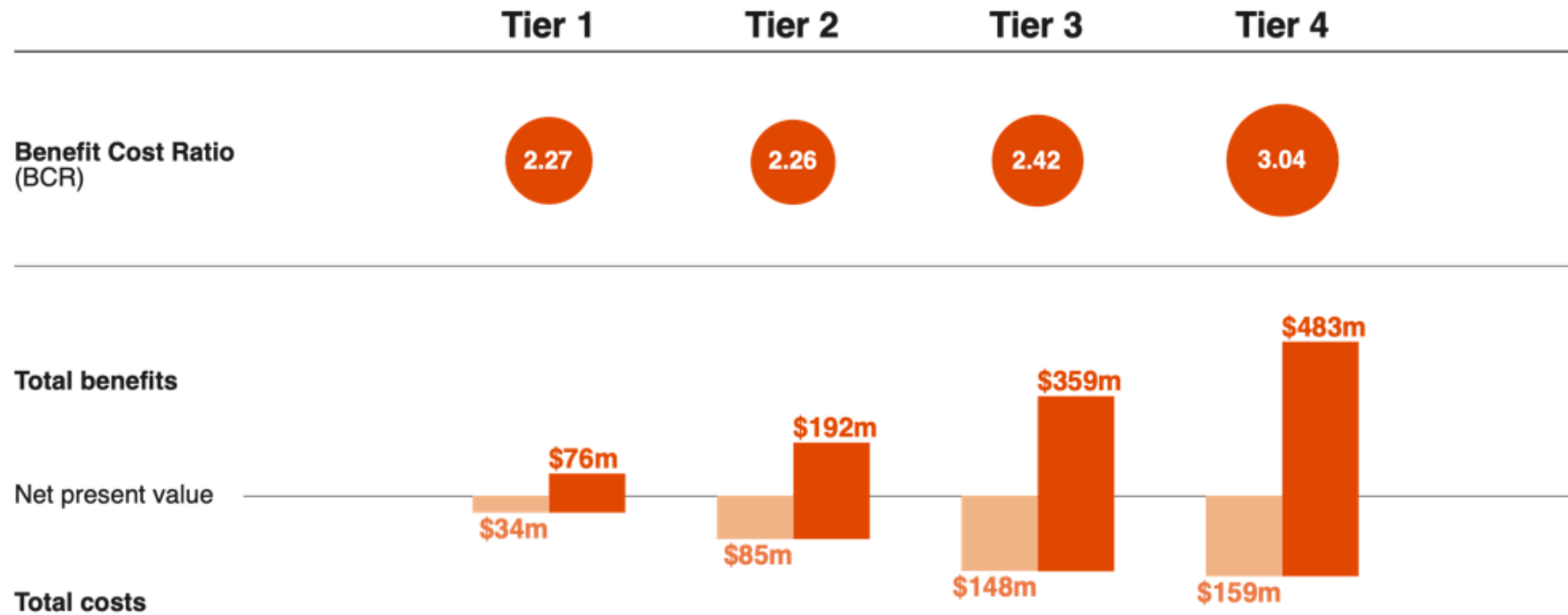


Figure 2: Regional Harmonization Tiers

Tier	Identity	Environments		
		<div>Plan &amp; Transfer</div> <div>Multi-provider environments</div>	<div>Regional Travel</div> <div>Rail, ferry &amp; regional bus environments</div>	<div>Local Travel</div> <div>Light rail, streetcar &amp; bus environments</div>
1	<div></div> <div><div></div><div></div><div></div><div>Others</div></div>		<div></div> <div>Design guidance</div>	<div></div> <div>Design guidance</div>
2	<div></div> <div><div></div><div></div><div></div><div>Others</div></div>			<div></div> <div>Design standards</div>
3	<div></div> <div><div></div><div></div><div></div><div>Others</div></div>			
4	<div></div> <div><div></div><div></div></div>			

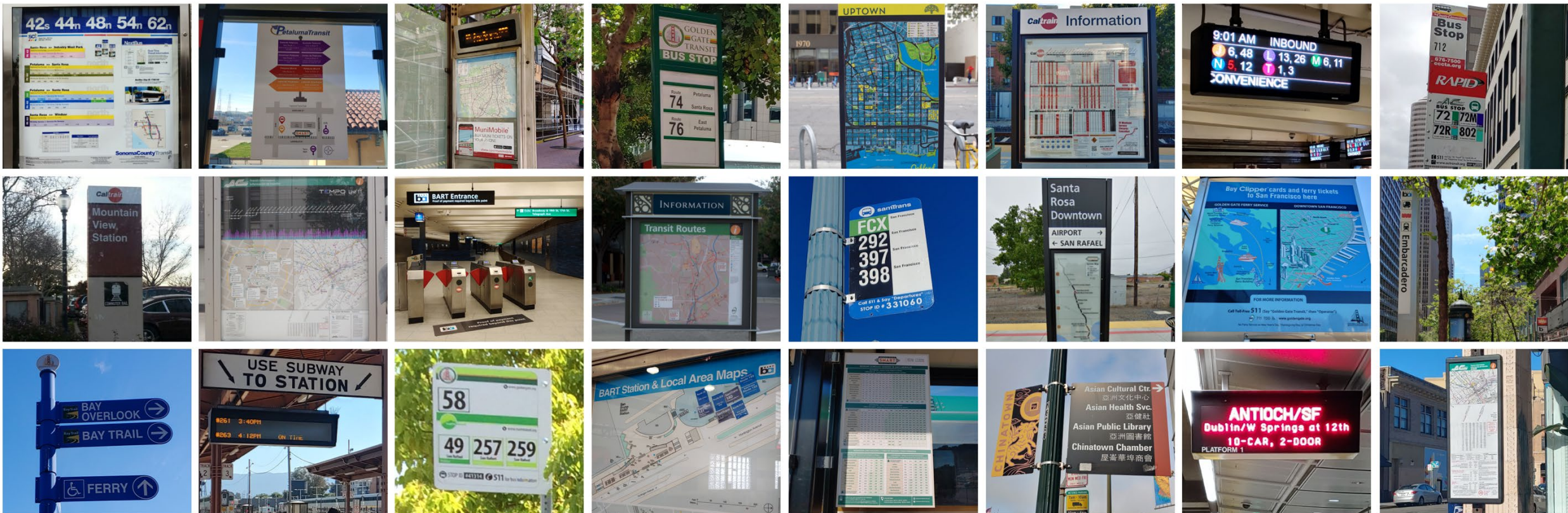
Note: The “Bay” identity serves as a conceptual placeholder. A common graphic identity would be designed in Phase III.

Figure 3: Business Case Benefit Cost Ratio Findings





# Phase 2 Findings Operations Committee July 9, 2021







# Program goals

**Better  
information**  
for travelers



**Better  
ways of  
working**  
for providers



**Better  
outcomes**  
for the region



## **Dependable**

Information where you need it

## **Predictable**

Recognizable patterns

## **Familiar**

Learn once, use anywhere

## **Common parts**

Economies of scale

## **Common application**

Efficiencies in O&M

## **Common standards**

Effective processes

## **Social**

Health, well-being & equity

## **Environmental**

Sustainability & resilience

## **Economic**

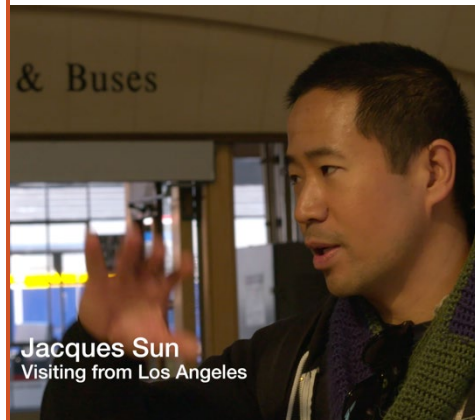
Ridership, visits & spend



## 2017/18



## 2019



## 2020



# Program

Phase 1 2017-18	Phase 2 2019-21	Phase 3 2021-25	Future phases 2024 -->
<b>Project development</b> <ul style="list-style-type: none"><li>• Stakeholder outreach</li><li>• Regional map prototype</li></ul>	<b>Harmonization Tiers &amp; Business Case</b> <ul style="list-style-type: none"><li>• Tier development</li><li>• User research</li><li>• Business case</li><li>• Map examples</li><li>• Tier recommendation</li></ul>	<b>System development &amp; pilots</b> <ul style="list-style-type: none"><li>• Regional standards</li><li>• Mapping database</li><li>• Prototype testing and pilot projects</li></ul>	<b>Implementation</b> <ul style="list-style-type: none"><li>• Phased regional implementation</li></ul>

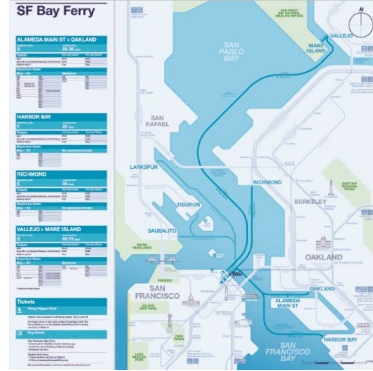
# A New Suite of Maps



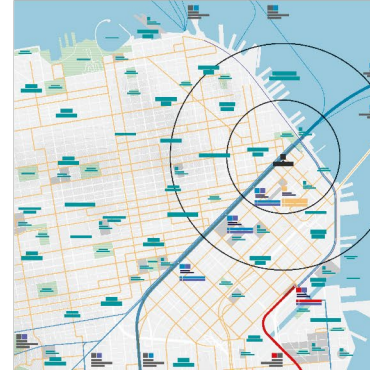
Regional Transit



Sub-Regional Transit



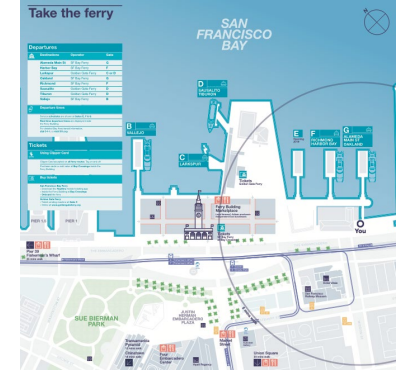
System



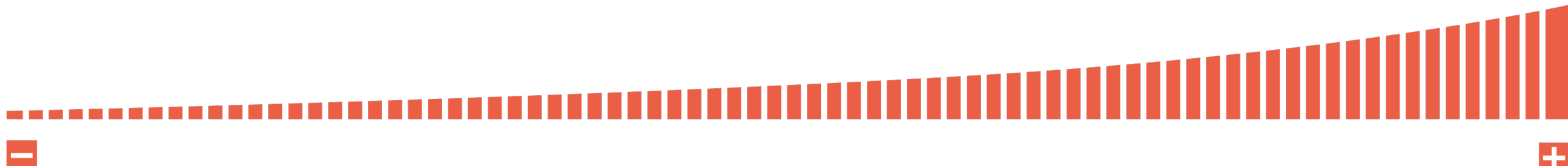
City Transit



Area









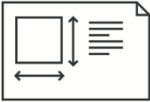
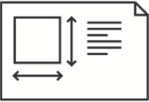
Destination



- Adaptable to multiple situations
- Applied based on user need

- Supporting hand-overs between modes
- Consistent service terminology and representation















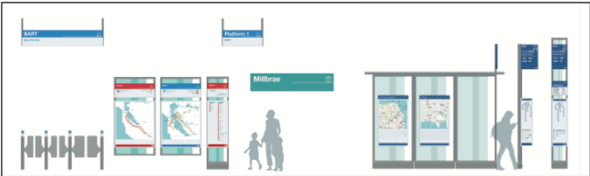
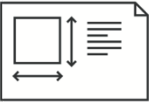
# Tiers for comparison

Tier	Identity	Environments		
		Plan & Transfer Multi-provider environments	Regional Travel Rail, ferry & regional bus environments	Local Travel Light rail, streetcar & bus environments
1	    		 Design guidance	 Design guidance

All tiers include support for city wayfinding













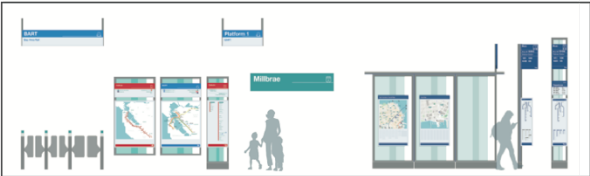






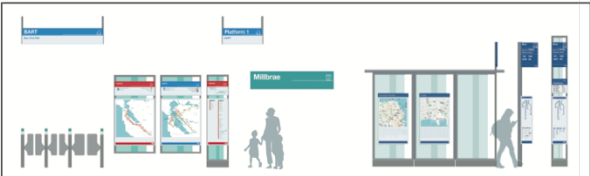



# Tiers for comparison

Tier	Identity	Environments		
		Plan & Transfer Multi-provider environments	Regional Travel Rail, ferry & regional bus environments	Local Travel Light rail, streetcar & bus environments
1	 <div>   </div> <div>   </div>		 <div>Design guidance</div>	 <div>Design guidance</div>
2	 <div>   </div> <div>   </div>			 <div>Design standards</div>






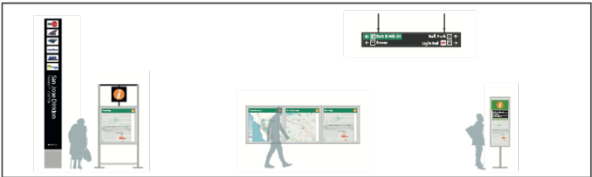








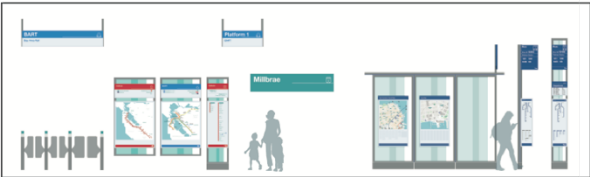







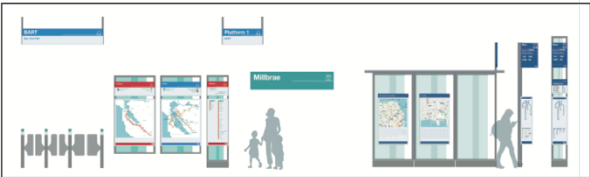







All tiers include support for city wayfinding

# Tiers for comparison

Tier	Identity	Environments		
		Plan & Transfer Multi-provider environments	Regional Travel Rail, ferry & regional bus environments	Local Travel Light rail, streetcar & bus environments
1	    Others		 Design guidance	 Design guidance
2	    Others			 Design standards
3	    Others			

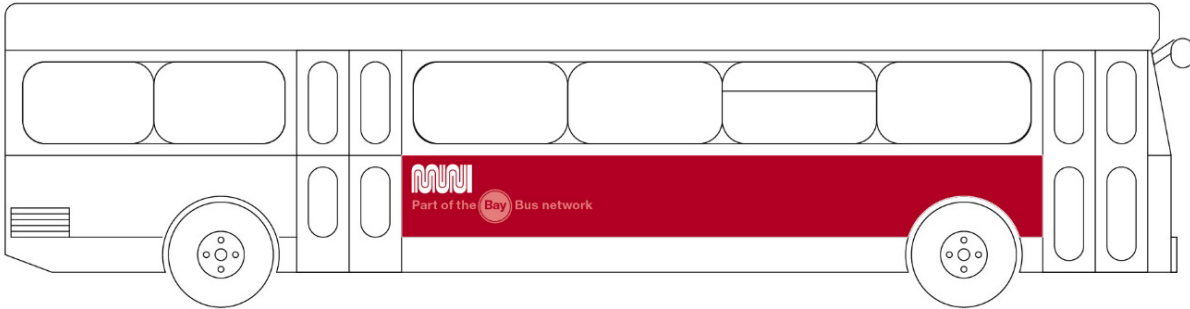
All tiers include support for city wayfinding

# Tiers for comparison

Tier	Identity	Environments		
		Plan & Transfer Multi-provider environments	Regional Travel Rail, ferry & regional bus environments	Local Travel Light rail, streetcar & bus environments
1	    			
2	    			
3	    			
4	  			

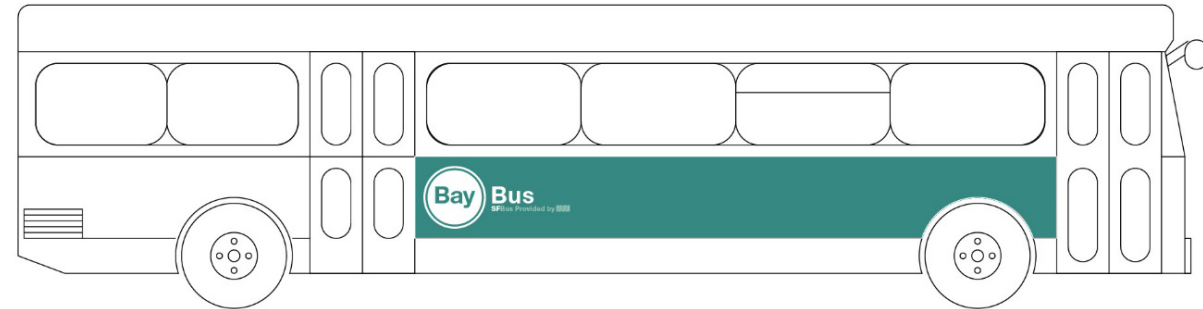
All tiers include support for city wayfinding

# Potential Harmonization of Transit Services



**Local approach**

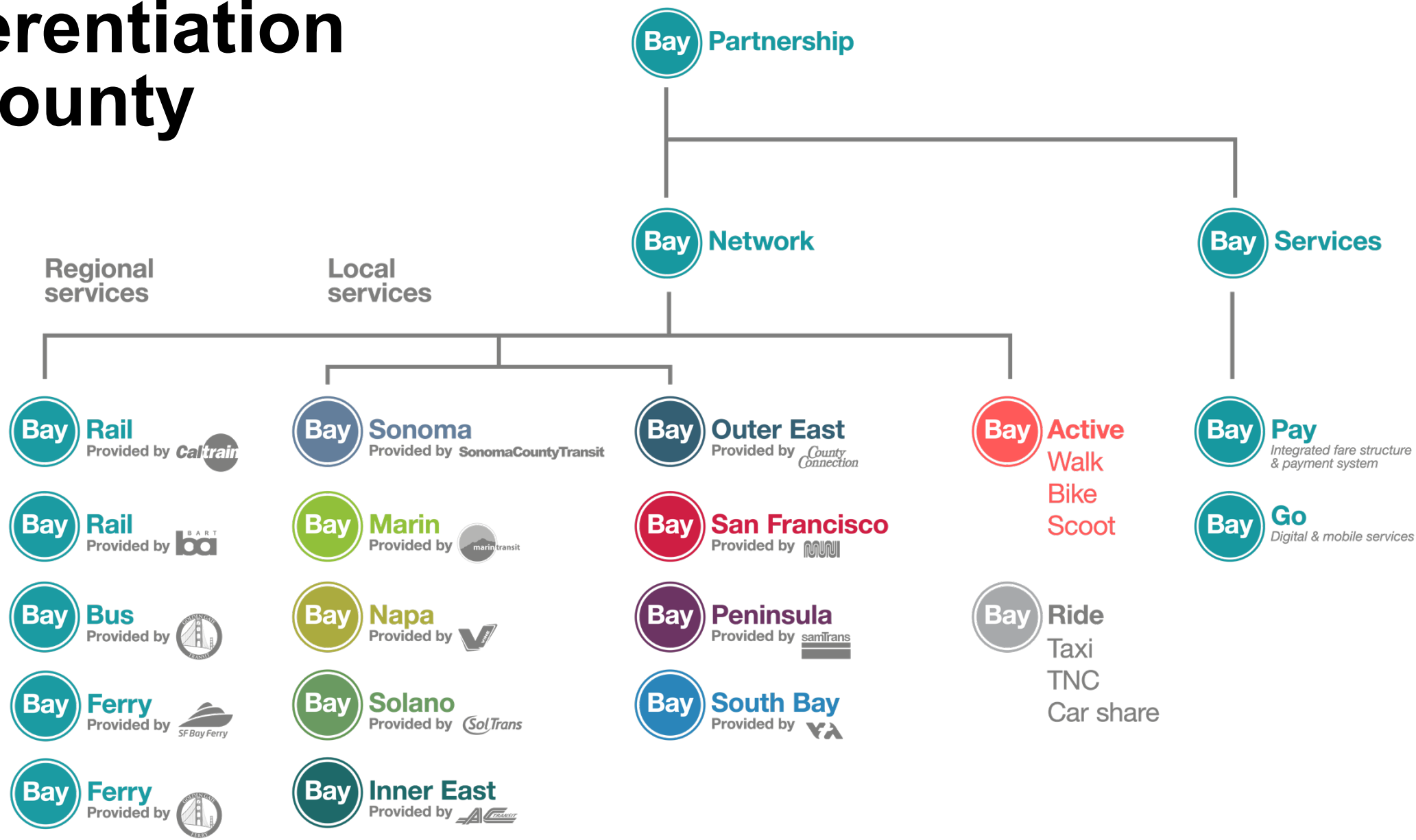
Endorsed by  
Regional Identity



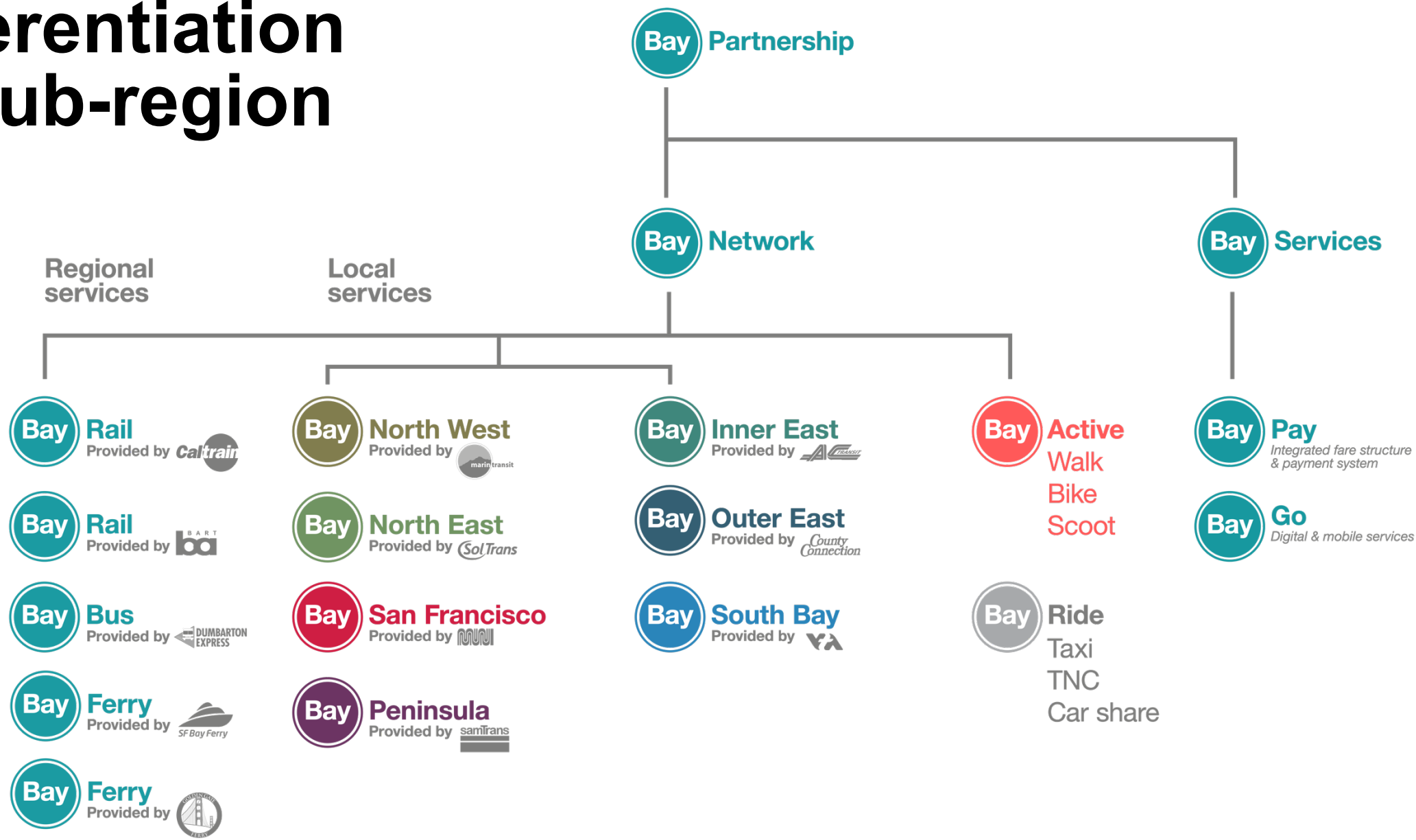
**Regional approach**



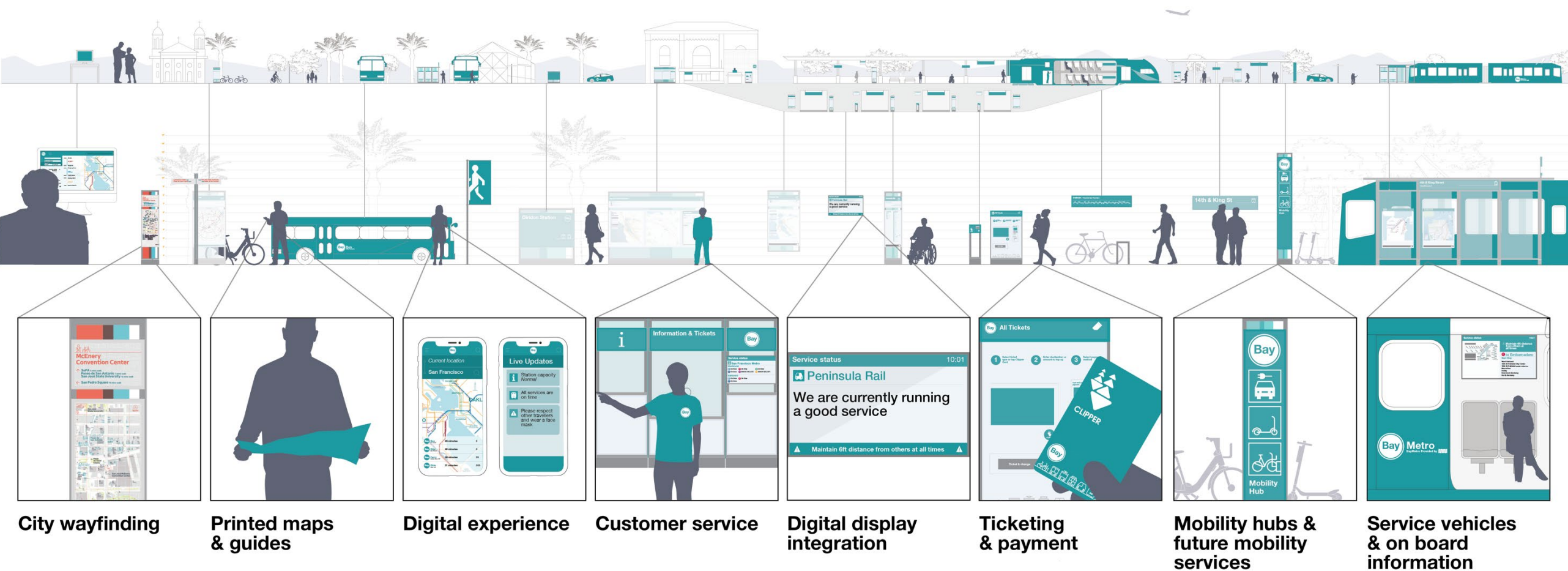
# Differentiation by county



# Differentiation by sub-region



# Related opportunity areas



# The dimensions of the business case



## Strategic case

Determines the **strategic value** to the region of addressing the problem



## Economic case

Establishes the **overall benefit to society** in monetary terms



## Financial case

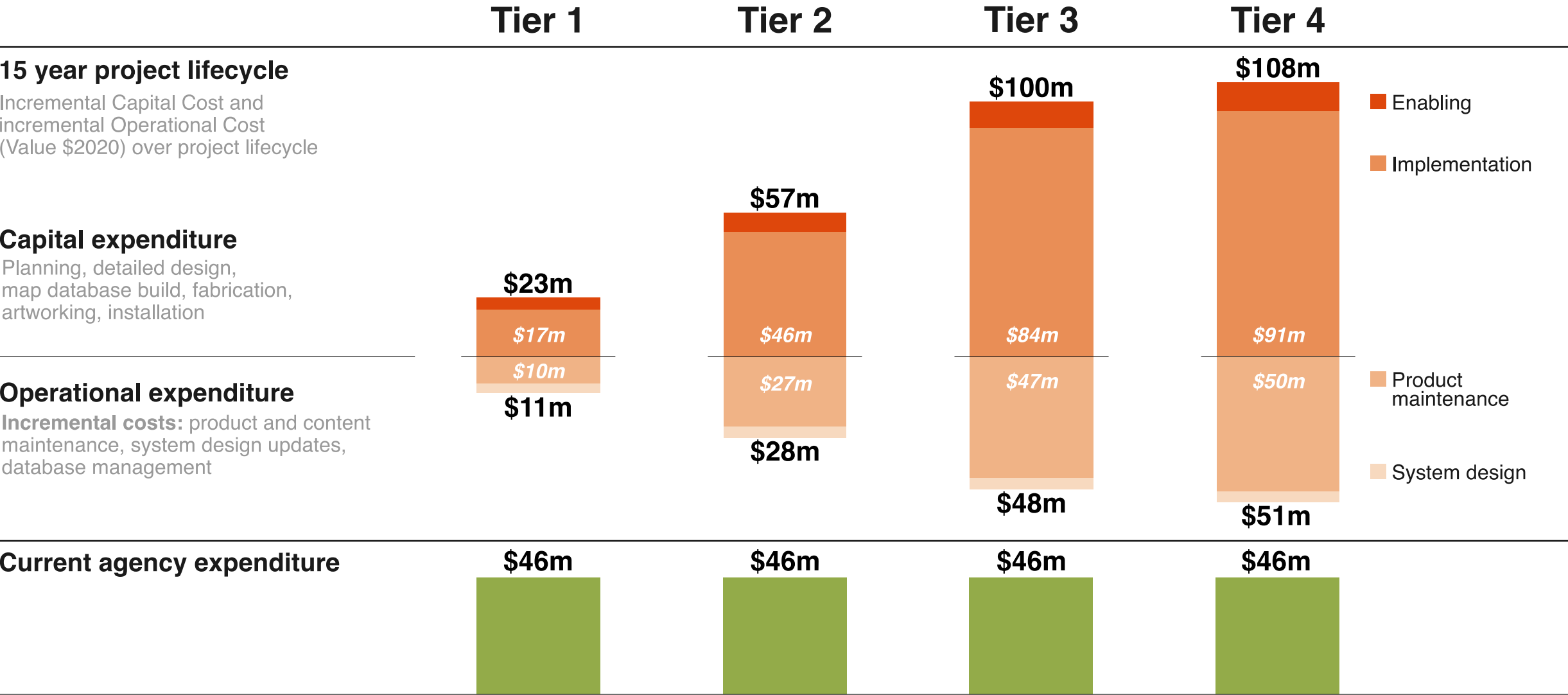
Outlines what is required to **fund & finance** the investment over its full lifetime



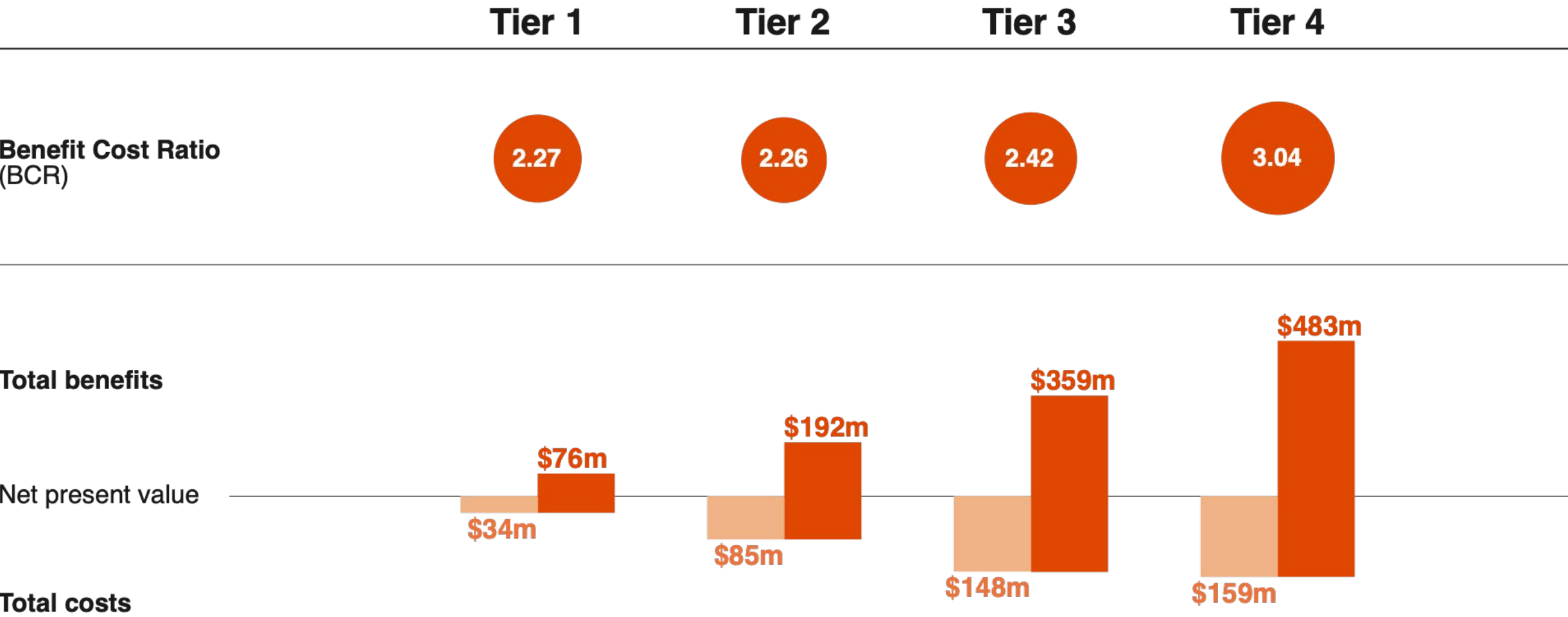
## Deliverability & operations case

Establishes **what is required to deliver and operate** the project

# Program costs



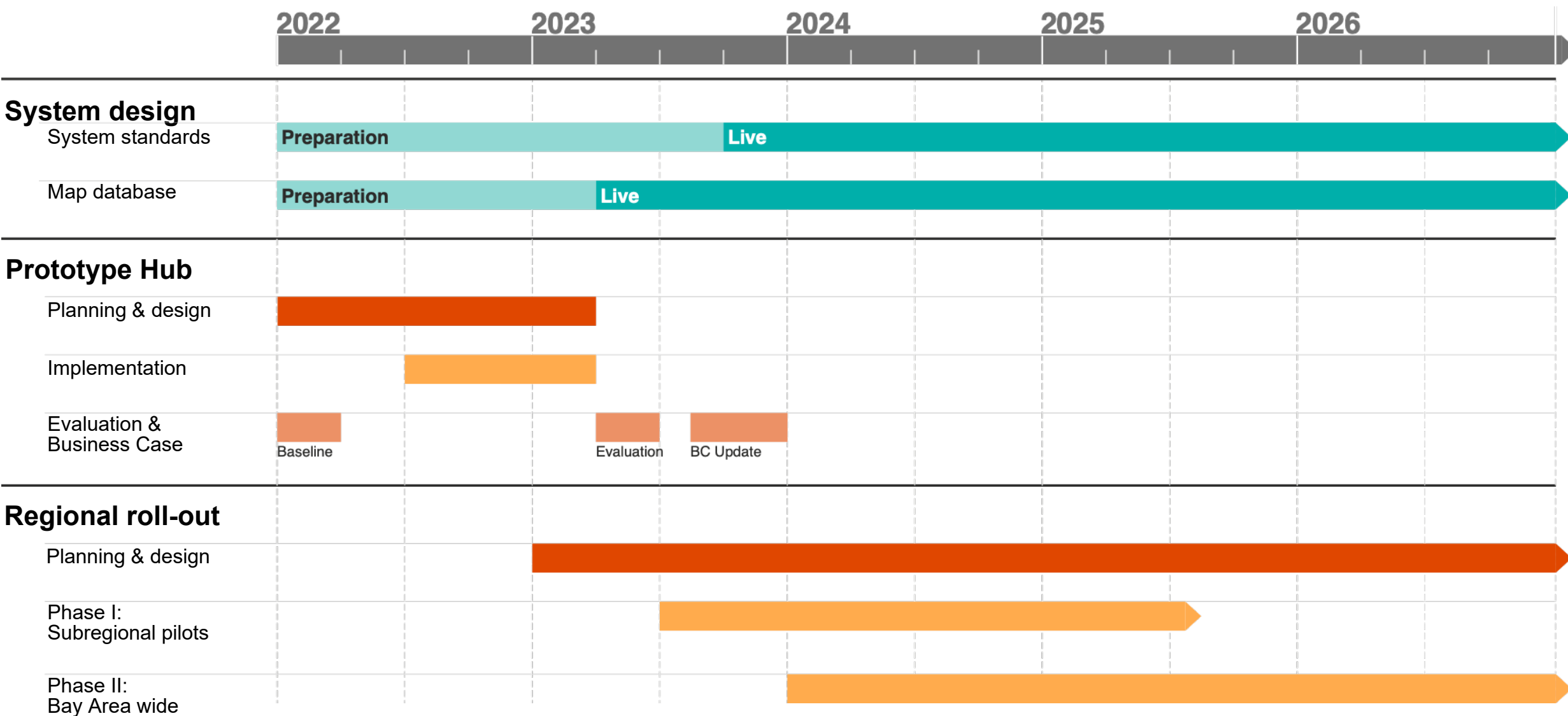
# Benefit Cost Ratio



# Conclusion

**Tier 3** is achievable with current conditions and allows for a **migration to Tier 4** if and when conditions allow.

# Proposed future phases





# Next Steps

- Issue procurement for standards design, prototype testing, and subregional pilot implementation.
- Identify long-term funding and staff resources for regional roll-out.
- Determine network management role and agency cost-sharing.

