



Purpose of Needs Assessment

- Evaluate the existing and future conditions of freight assets in Alameda County against goals and performance measures (established in prior tasks)
- Identify gaps, issues and opportunities for each functional element based on performance measure ratings
- Assess crossing cutting issues such as land use, community, and health impacts based on performance measure ratings
- **Set** the stage for defining projects, programs and policies

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How Needs Assessment Will Be Used

- Develop strategies to meet goals for any functional elements that need improvement based on performance measure evaluation in needs assessment
- Develop combinations of strategies to pursue opportunities
- Strategies will be evaluated against ALL performance measures
 - If a strategy makes performance better in one area but worse in another additional strategies will be incorporated in plan to "balance portfolio"

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Today's Meeting and Next Steps

- Needs Assessment Performance Measure Results
 - Cross-Cutting Issues
 - Local Streets and Roadway Issues (Local Truck Routes)
 - Interregional and Intraregional Corridor Issues (Highway and Rail)
 - Global Gateway Issues (Seaport and Airport)
 - Opportunities
- Interactive Discussion
- Next Meetings
 - February Meeting Finish review of Needs Assessment and initiate strategy discussion
 - March Meeting Recommend strategies for evaluation

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Feedback Desired

- Are the opportunities presented well-characterized?
 Are there additional opportunities we should capture?
- Are the needs and issues presented wellcharacterized? Is there anything else we should look at?
- What ideas do you have for strategies that should be evaluated to address these needs?
 - Projects (or types of projects)
 - Programs (e.g., new funding categories)
 - Policies and partnerships

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Needs Assessment Summary Cross-Cutting Issues

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Context for Cross-Cutting Issues

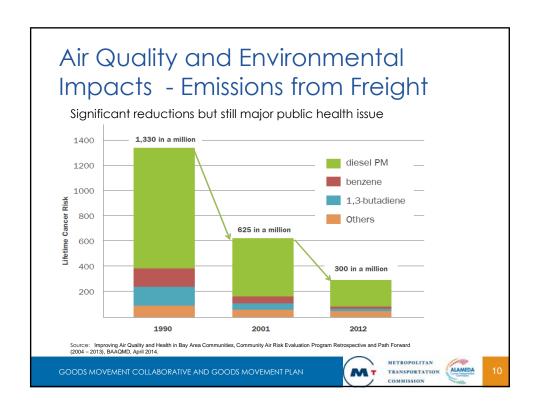
- Crossing-cutting issues apply to multiple modes and functional elements. These include:
 - Environmental, public health issues
 - Issues related to external/non-transportation policy decisions (Hours of Service, Labor, Land-Use)
- Issues that are discussed under cross-cutting issues are often related to other performance issues that are discussed in the functional element sections but are covered with more focus in the cross-cutting issues section

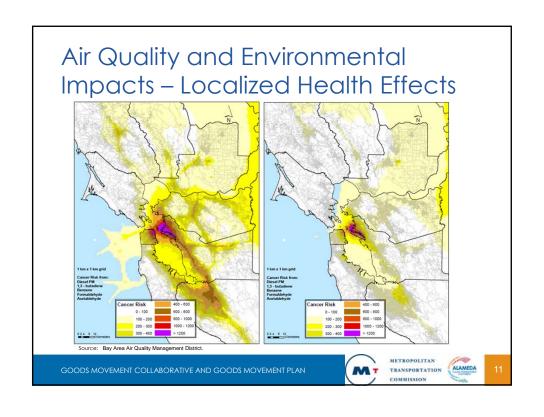
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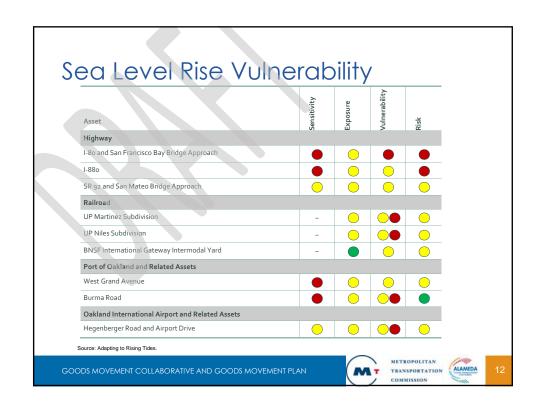


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Industrial Land Supply

- Continuing loss of industrial land to commercial and residential development
 - Due to market pressures, and land use policies
- Increases conflicts around borders between industrial and residential developments threatens viability of goods movement corridors
- Past studies have demonstrated potential impacts
 - Job displacement, increased truck-related emissions, and goods movement costs
- ABAG beginning work on industrial land supply and policies in 2015

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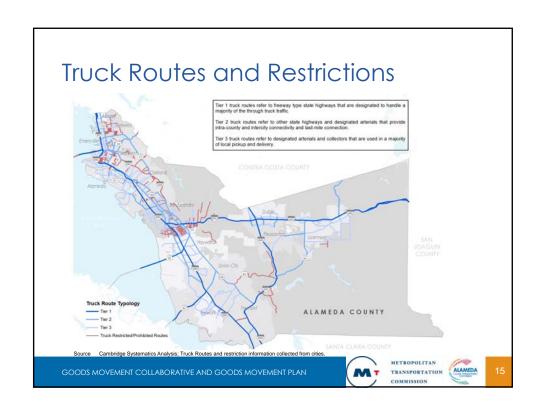
Needs Assessment Summary Local Streets and Roads Issues

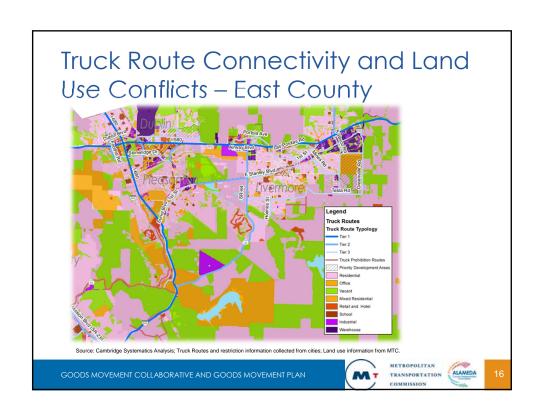
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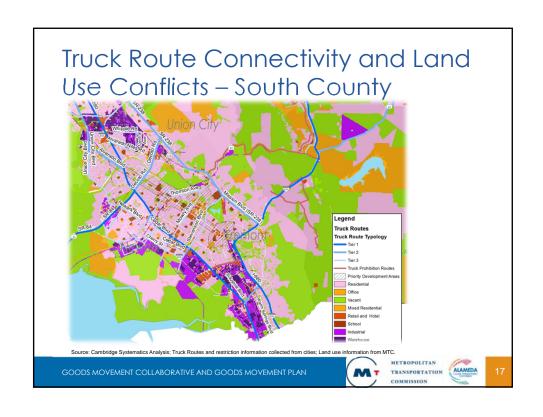


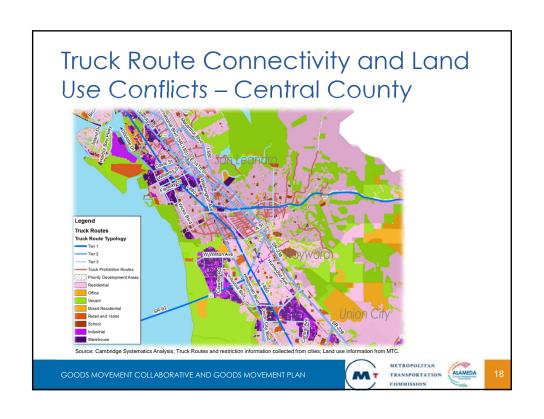
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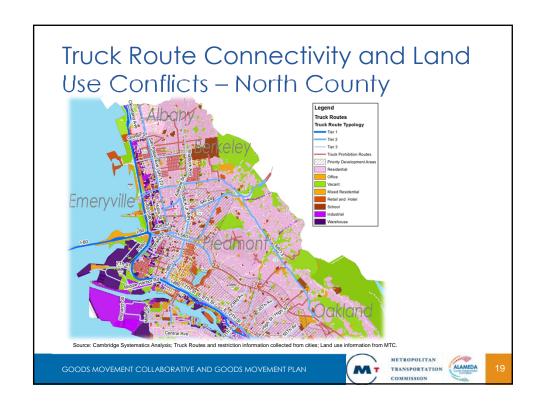


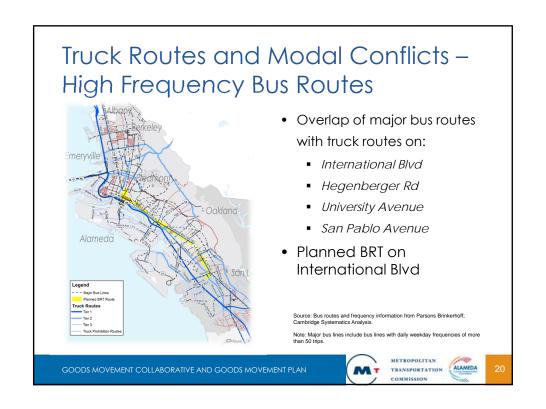


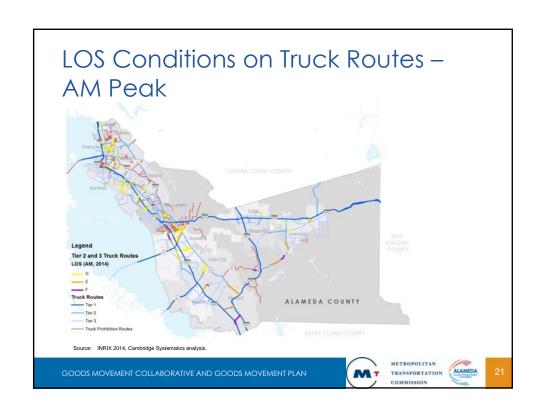


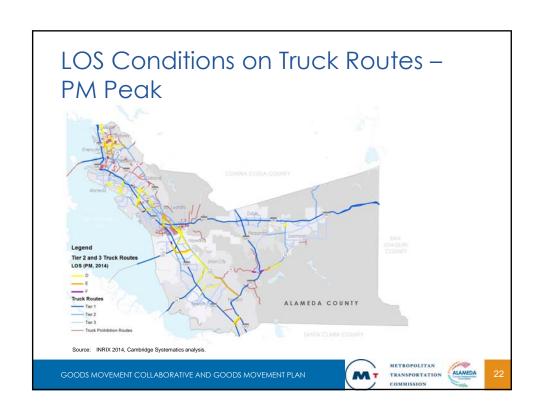


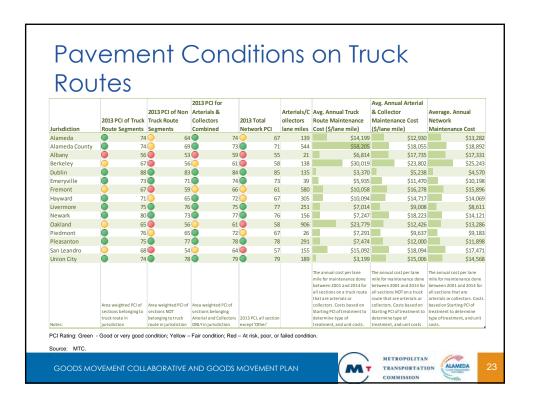














Truck Parking Issues

- Port-related parking issues in West Oakland
 - Location of truck services and truck-oriented businesses Oakland Army Base plans and West Oakland Specific Plan
 - New parking sites and requirements Oakland Army Base
 - Parking and truck route enforcement issues
- Corridor parking needs- I-880
 - Overnight parking HOS rules
- Urban delivery issues
 - Curbside management Complete Streets
 - Time-day-use



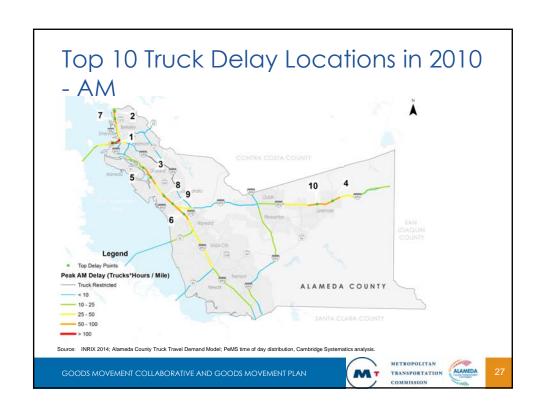
Needs Assessment Summary Interregional and Intraregional Corridor Issues

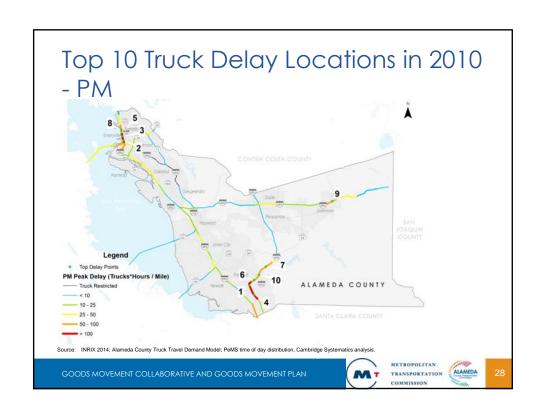
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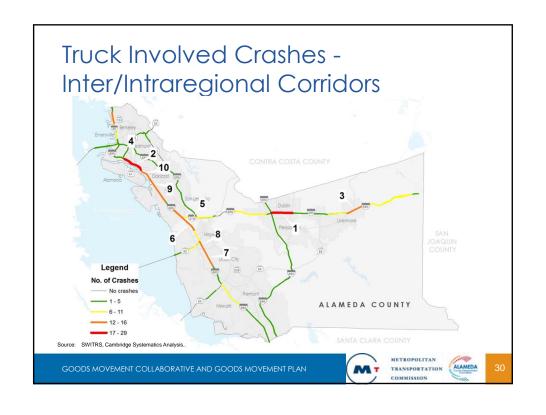
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		AM	Peak					PM F	Peak		
Corridor	Length	AM Peak Truck VMT	Average BTI	AM Peak Excess Truck Travel Time Budgeted (VMT*BTI)	Reliability Index (Excess Time/Mile)	Corridor	Length	PM Peak Truck VMT	Average BTI	PM Peak Excess Truck Travel Time Budgeted (VMT*BTI)	Reliability Index (Excess Time/Mile)
I-880 NB	25.5	4,598	0.50	2,281	2,191	I-80 EB	4.87	1,896	1.68	3,185	2,191
I-880 SB	26.2	4,561	1.04	4,744	1,554	I-80 WB	6	1,669	1.67	2,783	1,554
I-580 EB	32.7	7,156	0.10	730	1,427	I-580 EB	32.7	10,068	1.38	13,935	1,427
I-680	20.91	3,353	0.11	382	1,253	I-680 NB	20.91	4,717	1.66	7,821	1,253
NB I-980 EB	2.44	166	0.17	28	1,161	I-880 NB	25.5	6,470	1.37	8,838	1,161
I-980	2.49	166	0.40	66	710	I-880 SB	26.2	6,418	0.87	5,558	710
WB I-80 WB	6	1,186	1.67	1,981	325	I-238 WB	2.48	210	1.15	241	325
SR 24	4.58	161	0.52	84	313	I-980 WB	2.49	233	1.00	233	313
WB I-238 EB	2.59	81	0.91	74	288	SR 24 FB	4.53	177	2.20	389	288
I-680 SB	18.36	3,263	0.42	1,358	191	I-680 SB	18.36	4,591	0.23	1,047	191
SR 24 EB	4.53	126	0.11	14	190	I-980 EB	2.44	233	0.59	138	190
I-580	28.7	3,735	1.07	3,989	184	I-580 WB	28.7	5.255	0.30	1.577	184
WB I-80 EB	4.87	1.348	0.044	59	124	I-238 FB	2.59	114	0.84	96	124
I-238	2.48	149	0.084	13	39	SR 24					
WB	INDIV 2014 D-	ta and Cambridge		Included and		WB	4.58	227	0.24	53	39



Congestion/Capacity Needs - Rail

			Existing			2020		
Subdivision	From:	То:	Freight Daily Trains	Total Daily Trains	LOS	Freight Daily Trains	Total Daily Trains	LOS
UP Coast	San Jose	Newark	8	30	F	10	42	F
UP Coast	Newark	Oakland	6	8	С	8	10	С
UP Martinez	Sacramento	Martinez	18	52	С	22	56	D
UP Martinez	Martinez	Richmond	18	60	С	22	66	Е
UP Martinez	Richmond	Emeryville	17	59	D	30	74	Е
UP Martinez	Emeryville	Oakland	17	57	D	30	72	E
UP Niles	Newark	Niles	6	30	В	8	44	С
UP Niles	Niles	Oakland	2	18	С	2	26	Е
UP Oakland	Niles	Stockton	4	12	В	11	23	D
BNSF Stockton	Stockton	Port Chicago	10	18	С	12	22	D

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Operations and Access Issues - Rail

- Changing nature and use of Northern California rail system
 - Bulk unit trains and manifest traffic on Oakland/Niles to new terminals at Port of Oakland
 - Increasing domestic and international intermodal traffic on Martinez subdivision
- Passenger and freight conflicts a critical issue
 - Need to look for ways to separate and/or build in sidings and operational flexibility
 - Connections between UP Oakland subdivision and UP Niles subdivision through Niles Canyon – use of old Niles Railway
 - Capitol Corridor looking for separation through Emeryville, move from Niles to Coast Subdivision

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Operations and Access Issues - Rail

- BNSF access to OIG intermodal terminal at Port of Oakland crosses UP yard
 - OAB north lead project planned to address this
- Need for grade separations/signal improvements/street closures and quiet zones to reduce impacts on communities along heavily-used rail corridors

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Needs Assessment Summary Global Gateway Issues

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Congestion and Capacity Needs – Seaports and Airports

- Port of Oakland has sufficient intermodal terminal capacity but needs expansion of bulk terminal/cold storage facilities
 - Need to lengthen berths for large ships
 - Need to expand rail terminal capacity and access as markets develop
 - Need to strategically plan for reduction of impacts on neighboring communities
- Bay Area airports have sufficient capacity for growth -- Highway congestion is key constraint for air cargo growth and reliability

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Operations and Access Issues – Global Gateways

- Port of Oakland
 - Improve ability to process large ships and control gate access (gate queues sometimes backing up to freeway ramps)
 - Eliminate access bottleneck caused by 7th Street grade crossing
 - Address bike and pedestrian access issues
- OAK
 - Address congestion issues on Hegenberger, 98th, and Doolittle

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Opportunities

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Context-Setting Opportunities

- Goods Movement to Support Emerging Industries
 - These includes biotech, artisanal foods, clean energy & transportation, advanced manufacturing, recycled materials
 - Coordinate industrial land use plans and goods movement infrastructure investment in I-880/I-80 corridor
 - Guidance for truck route and rail corridor planning and buffering
- E-Commerce and Advanced Retail Distribution
 - Capture value-added economic activity; neighborhood & commercial center impacts
 - Connections between Third-Party Logistics (3PL) warehouses, seaport, and airport
 - Off-peak deliveries, Complete Streets guidance in downtowns
- Bulk Exports and Expanded Rail Services
 - Growth in bulk exports (including ag and food products via interregional connections)at seaports; increased demand on rail corridors
 - Coordinated development of Martinez, Niles, and Oakland Subdivisions
 - At-grade crossing improvements, quiet zones

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Wrap-Up

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30

Discussion

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