










WEST BERKELEY CIRCULATION MASTER PLAN

July 10, 2008 PAC Meeting

INCLUDED IN THIS PACKET:

- Project Improvement List
- Preliminary Project Rankings (By Scenario)

LEGEND FOR FIGURES IN PRESENTATION

	Traffic	NB Northbound		Short-term improvements
	Transit	SB Southbound		Long-term improvements
	Bicycle	EB Eastbound		Primary improvements (in table)
	Pedestrian	WB Westbound		Secondary improvements (in table)
				Specific sites for short-term corridor-wide improvements



PROJECT IMPROVEMENT LIST

PAVING/RESTRIPIING IMPROVEMENTS (GENERAL STUDY AREA)

SHORT TERM IMPROVEMENTS	
A1	San Pablo Queue Jumps at Ashby (NB and SB)
A1.1	Remove on street parking back 150' from intersection along San Pablo
A1.2	Restripe to create a bus/right turn only lane
A2	San Pablo Queue Jumps at Dwight (NB and SB)
A2.1	Remove on street parking back 150' from intersection along San Pablo
A2.2	Restripe to create a bus/right turn only lane
A3	San Pablo Queue Jumps at University (NB and SB)
A3.1	Remove on street parking back 150' from intersection along San Pablo
A3.2	Restripe to create a bus/right turn only lane
A4	San Pablo Queue Jumps at Gilman (NB and SB)
A4.1	Remove on street parking back 150' from intersection along San Pablo
A4.2	Restripe to create a bus/right turn only lane
A5	Create additional WB lane between 7th and 8th on Dwight
A5.1	Remove on street parking between 7 th and 8 th on north side of Dwight
A5.2	Restripe WB lanes on Dwight between 7 th and 8 th
A6	Create additional EB lane between 6th and 7th on Dwight
A6.1	Remove on street parking between 6 th and 7 th on south side of Dwight
A6.2	Restripe EB lanes on Dwight between 6 th and 7 th
A7	Create additional WB lane on Gilman between San Pablo and Kains
A7.1	Remove on street parking between San Pablo and Kains on north side of Gilman
A7.2	Restripe WB lanes on Gilman between San Pablo and Kains
A8	Repave Gilman Street Between San Pablo and West Frontage
A8.1	Create dedicated left turn lanes at 8 th and Gilman
A8.2	Add bike marking to roadway (sharrows) along Gilman
A8.3	Create dedicated left turn lanes at 6 th and Gilman
A8.4	Create dedicated left turn lanes at 4 th and Gilman
A8.5	Install high visibility crosswalk at 5 th and Gilman
A8.6	Install high visibility crosswalk at 7 th and Gilman
A8.7	Install high visibility crosswalk at 9 th and Gilman
A8.8	Install truncated domes at 10 th and Gilman crossing
A8.9	Install perpendicular curb ramps at Gilman and 6 th
A8.10	Install perpendicular curb ramps at Gilman and 8 th
A9	Repave 4th St between Gilman and Virginia



A10	Repave University Ave between San Pablo and 5 th Street
A10.1	Create pedestrian refuges along University at 7 th , 8 th , 9 th , 10 th and San Pablo that are ADA compliant
A10.2	Install directional curb ramps with truncated domes at University and 7 th , 8 th , 9 th and 10 th Streets
A10.3	Install pedestrian/bike activated flashing lights across University at 9 th
A11	Restripe pedestrian crossings along Cedar at 4 th , 5 th , 6 th , 7 th , 8 th , 9 th and 10 th streets
A11.1	Install truncated domes along Cedar at 4 th , 5 th , 9 th , and 10 th
A12	Install truncated domes along Dwight at 4 th , 6 th , 7 th , 8 th , and 9 th
A13	Extend paved median on east side of San Pablo at Cedar to reach crosswalk
A14	Pave sidewalks adjacent to James Kenney Park on 7 th and 8 th
A15	Pave sidewalks along 9 th between Cedar and Page
A16	Pave sidewalk along west side of 8 th between Camelia and Gilman
A17	Pave sidewalk along east side of 7 th between Camelia and Harrison
A18	Add bike lane/boulevard to San Pablo between Heinz and Russell to connect bike boulevard
A18.1	Remove on street parking between Heinz and Russell along San Pablo
A18.2	Install bike/ped flashing crossing at Russell and San Pablo
A19	Add bike marking to roadway (sharrows) along San Pablo
A20	Create class II.5 bike facility between Hearst and Dwight on 4 th
A21	Create bus bulbs at Ashby Rapid stops along San Pablo
A21.1	Relocate stops to bus bulb
A22	Create bus bulbs at Dwight Rapid stops along San Pablo
A22.1	Relocate stops to bus bulb
A23	Create bus bulbs at Dwight Rapid stops along San Pablo
A23.1	Relocate stops to bus bulb
A24	Create bus bulbs at Gilman Rapid stops along San Pablo
A24.1	Relocate stops to bus bulb

LONG TERM IMPROVEMENTS	
B1	Create additional NB/SB left turn lanes on 7 th at Carleton
B1.1	Remove on street parking 150' from intersection of 7 th and Carleton
B1.2	Restripe NB and SB lanes on 7 th at Carleton
B2	Create additional EB/WB lanes on Dwight at San Pablo
B2.1	Remove on street parking 150' from intersection of Dwight and San Pablo
B2.2	Restripe EB and WB lanes on Dwight at San Pablo
B3	Widen WB approach at Ashby and San Pablo to create dedicated left turn lane
B3.1	Restripe EB and WB approaches at Ashby and San Pablo along 4 th St
B4	Create additional EB/WB lane at along Allston Way at 6 th
B4.1	Remove on street parking between 5 th and 6 th (south side of Allston) and between 6 th and 7 th (north side of Allston)
B4.2	Restripe EB/WB lanes on Allston at 6 th



B5	Create additional NB/SB left turn lane along 6 th at Channing
B5.1	Remove on street parking between Dwight and Channing (east side of 6 th) and between Channing and Bancroft (west side of 6 th)
B5.2	Restripe NB/SB lanes on 6 th at Channing
B6	Create a bicycle boulevard along Addison Street connecting Aquatic Park to Ohlone Parkway
B6.1	Install bike loop detectors at Addison (EB) and San Pablo signal
B6.2	Install bike/ped actuated traffic signal at Addison (WB) and San Pablo
B7	Repave 2nd Street between Gilman and Hearst
B7.1	Add sidewalks to both sides of street
B7.2	Remove railroad spur in roadway
B8	Repave Harrison Street between 6 th and San Pablo
B8.1	Add missing sidewalks between 7 th and 8 th St.
B9	Add peak hour auto travel lane by removing on street parking along University between San Pablo and 6 th
B9.1	Signage and signal upgrades to account for new travel lanes
B10	Add peak hour transit only travel lane along San Pablo by removing on street parking between Ashby and Gilman
B10.1	Signage and signal upgrades to account for new travel lanes
B11	Replace Ashby interchange (partial cloverleaf/diamond or roundabout design)

TRAFFIC CONTROL IMPROVEMENTS (GENERAL STUDY AREA)

SHORT TERM IMPROVEMENTS	
A33	Install signal at Heinz and San Pablo
A33.1	Install countdown signal heads
A33.2	Install bike loop detectors
A34	Install signal at Harrison and San Pablo
A35	Implement a leading protected left phase for NB traffic at San Pablo and Dwight
A36	Prohibit WB left turns on the weekends at Ashby and San Pablo
A37	Install bike/ped actuated traffic signal at Channing and 6 th
A38	Remove pedestrian actuation from controller at University and San Pablo and make pedestrian walk phase with audible signal automatic on all legs
A39	Install flashing pedestrian crossings at Jones along San Pablo
A40	Implement a pedestrian scramble phase at San Pablo and University
A41	Install countdown signal heads at Dwight and San Pablo
A42	Install countdown signal heads at University and 9 th
A42.1	Install audible pedestrian crossing signals at University and 9 th
A42.3	Improve pedestrian crossing times at University and 9 th
A43	Install signal at San Pablo and Virginia
A44	Install audible signals along San Pablo at Gilman, Cedar, Delaware, Addison, Allston, Dwight, Grayson and Ashby

LONG TERM IMPROVEMENTS



B18	Install signal at 4 th and Hearst
B19	Install signal at 4 th and Allston
B20	Install traffic signal at San Pablo and Channing
B20.1	Install bike loop detector
B21	Upgrade signals along Gilman (adaptive, emergency, transit, etc)
B22	Upgrade signals along University (adaptive, emergency, transit, etc)
B23	Upgrade signals along Ashby (adaptive, emergency, transit, etc)
B24	Upgrade signals along 6 th /7 th (adaptive, emergency, transit, etc)
B25	Upgrade signals along San Pablo (adaptive, emergency, transit, etc)
B26	Congestion Charging for freeway traffic into Berkeley
B27	Close Camelia at the RR tracks to through traffic
B28	Signalize 7 th and Carleton

GILMAN AND INTERSTATE 80

SHORT TERM IMPROVEMENTS	
A8	Repave Gilman Street Between San Pablo and West Frontage
A8.2	Add bike marking to roadway (sharrows)
A8.3	Create dedicated left turn lanes at 6 th and Gilman
A8.4	Create dedicated left turn lanes at 4 th and Gilman
A8.5	Install high visibility crosswalk at 5 th and Gilman
A8.9	Install perpendicular curb ramps at Gilman and 6 th
A25	Prohibit left and through movements at Gilman and Eastshore
A26	Improve pedestrian crossing timings at 6 th and Gilman
A54.1	Add/update truck routing signage along Gilman St

LONG TERM IMPROVEMENTS	
B12	Construct Dual Roundabouts at Gilman Interchange
B12.1	Control NB entry to roundabouts from West Frontage using metering devices
B12.2	Pave sidewalks along Eastshore highway between Page and Harrison
B13	Grade Separate Gilman Rail Crossing with Two Lane Bridge
B13.1	Restrict through movements on 2nd St.
B13.2	Create bike/pedestrian at-grade crossing
B29	Signalize 4 th and Gilman

UNIVERSITY AVE. WEST

SHORT TERM IMPROVEMENTS	
A27	Add EB right turn pocket (~100') at Hearst and 6 th
A27.1	Remove parking spaces on south side of Hearst approach
A28	Add 2 nd NB right turn lane at 6 th and University



A28.1	Remove parking spaces on east side of 6 th
A28.2	Restripe 6 th Street between Addison and University
A28.3	Add NB signal head at 6 th and University
A45	Install signal countdown heads at 6 th and University
A45.1	Adjust signal timings for new geometry and appropriate pedestrian walk cycles
A46	Signalize University and West Frontage
A46.1	Add NB left turn pocket (~100') at University and West Frontage
A46.2	Restripe NB approach lanes to create dedicated left turn pocket (~100')
A47	Add dedicated left turn phase to NB/SB traffic at Hearst and 6 th
A48	Move stop control at Hearst and Eastshore to off ramp movement and allow free movement on Hearst/Eastshore
A49	Improve pedestrian walk times at 6 th and Hearst
A50	Install audible pedestrian signal at 6 th and Hearst
A55.2	Add/update truck routing signage along University Ave.
A55.5	Add/update truck routing signage along 6 th /7 th St

LONG TERM IMPROVEMENTS	
B14	Open 5 th St. (SB) at University
B14.1	Add signal at 5 th and University and tie into signal at 6 th and University
B14.2	Restripe WB University between 5 th and 6 th
B14.3	Remove parking along University between 5 th and 6 th on north side of street
B14.4	Restripe SB 5 th between Hearst and University
B14.5	Remove parking along 5 th St. just north of University
B14.6	Add WB left turn lane on Hearst at 5 th St
B14.7	Remove parking along north side of WB Hearst at 5 th
B15	Create a full interchange design at University
B30	Signalize 4 th and Hearst

ASHBY AND 7th

SHORT TERM IMPROVEMENTS	
A29	Create multi-use path along existing railroad tracks (9 th St) from Heinz to Emeryville border
A29.1	Channel bikes/pedestrians to crossing at 9 th and Ashby
A29.2	Upgrade paths/connections to 9 th and Ashby signalized crossing
A30	Extend Ashby EB left turn bay at 7 th by 150'
A30.1	Restripe Ashby west of 7 th St
A31	Create two WB lanes on Heinz (Through/Right and Left only) at 7 th
A31.1	Restripe Heinz east of 7 th
A31.2	Remove parking (75') on north side of Heinz east of 7 th



A32	Add additional SB lane between Heinz and Anthony on 7 th
A32.1	Remove SB left turn onto Anthony
A32.2	Remove on street parking along 7 th between Heinz and Anthony
A51	Make Anthony one-way WB
A52	Move traffic signal from Potter to Anthony
A52.1	Make Potter right in/right out
A52.2	Add runable median along 7 th at Potter to prevent through movements on Potter and left turns from 7 th
A53	Adjust 7 th and Ashby signalization
A53.1	Improve pedestrian crossing timings
A53.2	Optimize timings with other short-term improvements
A54	Improve pedestrian crossing timings at Ashby and 9 th
A55.3	Add/update truck routing signage along Ashby Ave.
A55.5	Add/update truck routing signage along 6 th /7 th St.

LONG TERM IMPROVEMENTS	
B16	Extend/Pave 5 th between Potter and Ashby
B16.1	Create easement through properties (APN 053164700100 and 053164700202) for 5 th St to connect to Ashby
B16.2	Slope 5 th St between Potter and Ashby to bridge elevation change
B16.3	Create right in/right out intersection at Ashby WB and new 5 th Street extension
B16.4	Restripe Anthony west of 7 th
B16.5	Restripe 5 th St between Anthony and Ashby
B16.6	Stop control SB movement on 5 th St at Anthony
B16.7	Stop control EB and WB movements on Potter St. at 5 th St
B16.8	Restripe three SB lanes along 7 th at Ashby to one through/right and two left turns
B17	Build a bike bridge over Ashby along 9 th Street multi-use trail.

OTHER IMPROVEMENTS

SHORT TERM IMPROVEMENTS	
A55	Add/update truck routing signage along arterials and truck routes
A55.1	Add/update truck routing signage along Gilman St
A55.2	Add/update truck routing signage along University Ave.
A55.3	Add/update truck routing signage along Ashby Ave.
A55.4	Add/update truck routing signage along San Pablo Ave
A55.5	Add/update truck routing signage along 6 th /7 th
A56	Designate 6 th /7 th between Gilman and Ashby as truck route
A56.1	Ensure proper turning radi for intersections and adequate lane widths
A57	Improve wayfinding from I80 to major destinations in West Berkeley



A58	Improve parking wayfinding signage (possibly dynamic signage) from arterials in West Berkeley
A59	Improve lighting at San Pablo and Cedar bus stop
A60	Provide lighting and shelter at Virginia and San Pablo bus stop
A61	Create an express service for the Route 51
A61.1	Increase frequency of service on Route 51
A62	Increase frequency of route 9 service to 20 minute headways
A63	Improve connections and transfers of Route 9 and other transit services
A64	Create shuttle between North Berkeley BART and West Berkeley, servicing the 4 th St Shopping District
A65	Provide a transit pass for residents of Berkeley for AC Transit bus services
A66	Subsidize Amtrak fares between Emeryville and Berkeley stations
A67	Provide convenient and secure bicycle parking in various areas of West Berkeley
A68	Provide pool of vehicles for use by West Berkeley visitors/employees (car share options)
A69	Provide pool of bicycles for use by West Berkeley visitors/employees (bike check out programs)



PRELIMINARY PROJECT IMPROVEMENT RANKING (FOUR SCENARIOS)

Scenario A: All Modes

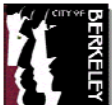
Benefit / Cost Rank

#	Short Term Projects	Score
A3	San Pablo Queue Jumps at University (NB and SB)	6.68
A1	San Pablo Queue Jumps at Ashby (NB and SB)	5.96
A53	Adjust 7th and Ashby signalization	5.20
A30	Extend Ashby EB left turn bay at 7th by 150'	5.00
A4	San Pablo Queue Jumps at Gilman (NB and SB)	3.81
A2	San Pablo Queue Jumps at Dwight (NB and SB)	3.57
A36	Prohibit WB left turns on weekend at Ashby and San Pablo	3.46
A35	Implement a leading protected left phase for NB traffic at San Pablo and Dwight	2.69
A28	Add 2nd NB right turn lane at 6th and University	2.55
A38	Remove pedestrian actuation from controller at University and San Pablo and make pedestrian walk phase with audible signal automatic on all legs	2.50

#	Long Term Projects	Score
B2	Create additional EB/WB lanes on Dwight at San Pablo	5.34
B26	Congestion Charging for freeway traffic into Berkeley*	3.33
B6	Create a bicycle boulevard along Addison Street connecting Aquatic Park to Ohlone Parkway	1.88
B3	Widen WB approach at Ashby and San Pablo to create dedicated left turn lane	1.82
B9	Add peak hour auto travel lane by removing on street parking along University between San Pablo and 6th	1.44
B28	Signalize 7th and Carleton	1.21
B4	Create additional EB/WB lane at along Allston Way at 6th	0.96
B17	Build a bike bridge over Ashby along 9th Street multi-use trail.	0.79
B1	Create additional NB/SB left turn lanes on 7th at Carleton	0.74
B16	Extend/Pave 5th between Potter and Ashby	0.71

Projects in Gray color represent those already funded or scheduled for implementation

* project assumes significant return in revenue to offset high capital cost



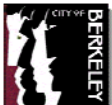
Pure Benefit

#	Short Term Projects	Score
A8	Repave Gilman Street Between San Pablo and West Frontage	8.21
A37	Install bicycle and pedestrian-actuated traffic signals at 6th and Channing	7.50
A52	Move traffic signal from Potter to Anthony	6.93
A3	San Pablo Queue Jumps at University (NB and SB)	6.68
A46	Signalize University and West Frontage	6.44
A1	San Pablo Queue Jumps at Ashby (NB and SB)	5.96
A36	Prohibit WB left turns on weekend at Ashby and San Pablo	5.71
A53	Adjust 7th and Ashby signalization	5.20
A28	Add 2nd NB right turn lane at 6th and University	5.10
A10	Repave University Ave between San Pablo and 5th Street	5.00

#	Long Term Projects	Score
B26	Congestion Charging for freeway traffic into Berkeley*	10.00
B16	Extend/Pave 5th between Potter and Ashby	5.70
B17	Build a bike bridge over Ashby along 9th Street multi-use trail.	5.50
B3	Widen WB approach at Ashby and San Pablo to create dedicated left turn lane	5.47
B2	Create additional EB/WB lanes on Dwight at San Pablo	5.34
B14	Open 5th St. (SB) at University	5.16
B13	Grade Separate Gilman Rail Crossing with Two Lane Bridge	5.13
B9	Add peak hour auto travel lane by removing on street parking along University between San Pablo and 6th	4.33
B25	Upgrade signals along San Pablo (adaptive, emergency, etc)	4.08
B6	Create a bicycle boulevard along Addison Street connecting Aquatic Park to Ohlone Parkway	3.75

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Scenario B: Traffic

Benefit / Cost Rank

#	Short Term Projects	Score
A30	Extend Ashby EB left turn bay at 7th by 150'	2.50
A36	Prohibit WB left turns on weekend at Ashby and San Pablo	2.36
A53	Adjust 7th and Ashby signalization	1.67
A31	Create two WB lanes on Heinz (Through/Right and Left only) at 7th	0.97
A7	Create additional WB lane on Gilman between San Pablo and Kains	0.88
A45	Install signal countdown heads at 6th and University	0.56
A35	Implement a leading protected left phase for NB traffic at San Pablo and Dwight	0.56
A32	Add additional SB lane between Heinz and Anthony on 7th	0.56
A3	San Pablo Queue Jumps at University (NB and SB)	0.56
A41	Install countdown signal heads at Dwight and San Pablo	0.50

#	Long Term Projects	Score
B2	Create additional EB/WB lanes on Dwight at San Pablo	2.08
B3	Widen WB approach at Ashby and San Pablo to create dedicated left turn lane	1.44
B9	Add peak hour auto travel lane by removing on street parking along University between San Pablo and 6th	0.56
B12	Construct Dual Roundabouts at Gilman Interchange	0.50
B16	Extend/Pave 5th between Potter and Ashby	0.45
B26	Congestion Charging for freeway traffic into Berkeley*	0.42
B4	Create additional EB/WB lane at along Allston Way at 6th	0.42
B14	Open 5th St. (SB) at University	0.40
B22	Upgrade signals along University (adaptive, emergency, transit, etc)	0.32
B25	Upgrade signals along San Pablo (adaptive, emergency, etc)	0.32

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Pure Benefit

#	Short Term Projects	Score
A46	Signalize University and West Frontage	2.96
A30	Extend Ashby EB left turn bay at 7th by 150'	2.50
A58	Better signage, give info on parking supply location, state of occupancy, etc.	2.50
A36	Prohibit WB left turns on weekend at Ashby and San Pablo	2.36
A52	Move traffic signal from Potter to Anthony	2.22
A53	Adjust 7th and Ashby signalization	1.67
A57	Improve wayfinding from I80 to major destinations in West Berkeley	1.25
A34	Install signal at Harrison and San Pablo	1.22
A32	Add additional SB lane between Heinz and Anthony on 7th	1.11
A41	Install countdown signal heads at Dwight and San Pablo	1.00

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#	Long Term Projects	Score
B12	Construct Dual Roundabouts at Gilman Interchange	4.47
B3	Widen WB approach at Ashby and San Pablo to create dedicated left turn lane	4.31
B16	Extend/Pave 5th between Potter and Ashby	3.61
B14	Open 5th St. (SB) at University	3.19
B13	Grade Separate Gilman Rail Crossing with Two Lane Bridge	2.85
B25	Upgrade signals along San Pablo (adaptive, emergency, etc)	2.53
B22	Upgrade signals along University (adaptive, emergency, transit, etc)	2.26
B15	Create a full interchange design at University	2.25
B2	Create additional EB/WB lanes on Dwight at San Pablo	2.08
B23	Upgrade signals along Ashby (adaptive, emergency, transit, etc)	2.00



Scenario C: Traffic (West Berkeley Focused)

Benefit / Cost Rank

#	Short Term Projects	Score
A36	Prohibit WB left turns on weekend at Ashby and San Pablo	3.51
A24	Create bus bulbs at Gilman Rapid stops along San Pablo	2.78
A23	Create bus bulbs at University Rapid stops along San Pablo	2.30
A37	Install bicycle and pedestrian-actuated traffic signals at 6th and Channing	1.88
A21	Create bus bulbs at Ashby Rapid stops along San Pablo	1.69
A39	Install flashing pedestrian crossings at Jones along San Pablo	1.37
A22	Create bus bulbs at Dwight Rapid stops along San Pablo	1.32
A33	Signalize intersection of Heinz and San Pablo	1.18
A48	Move stop control at Hearst and Eastshore to off ramp movement and allow free movement on Hearst/Eastshore	1.13
A31	Create two WB lanes on Heinz (Through/Right and Left only) at 7th	0.83

#	Long Term Projects	Score
B26	Congestion Charging for freeway traffic into Berkeley*	2.92
B4	Create additional EB/WB lane at along Allston Way at 6th	0.69
B2	Create additional EB/WB lanes on Dwight at San Pablo	0.54
B1	Create additional NB/SB left turn lanes on 7th at Carleton	0.25
B5	Create additional NB/SB left turn lane along 6th at Channing	0.14
B24	Upgrade signals along 6th/7th (adaptive, emergency, transit, etc)	0.11
B28	Signalize 7th and Carleton	0.08
B8	Repave Harrison Street between 6th and San Pablo	0.04
B7	Repave 2nd Street between Gilman and Hearst	0.03
B6	Create a bicycle boulevard along Addison Street connecting Aquatic Park to Ohlone Parkway	-

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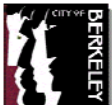
Pure Benefit Rank

#	Short Term Projects	Score
A36	Prohibit WB left turns on weekend at Ashby and San Pablo	3.51
A58	Better signage, give info on parking supply location, state of occupancy, etc.	2.38
A52	Move traffic signal from Potter to Anthony	2.36
A37	Install bicycle and pedestrian-actuated traffic signals at 6th and Channing	1.88
A48	Move stop control at Hearst and Eastshore to off ramp movement and allow free movement on Hearst/Eastshore	1.13
A57	Improve wayfinding from I80 to major destinations in West Berkeley	1.13
A34	Install signal at Harrison and San Pablo	0.97
A28	Add 2nd NB right turn lane at 6th and University	0.96
A33	Signalize intersection of Heinz and San Pablo	0.83
A31	Create two WB lanes on Heinz (Through/Right and Left only) at 7th	0.83

#	Long Term Projects	Score
B26	Congestion Charging for freeway traffic into Berkeley*	3.75
B13	Grade Separate Gilman Rail Crossing with Two Lane Bridge	1.87
B24	Upgrade signals along 6th/7th (adaptive, emergency, transit, etc)	1.49
B22	Upgrade signals along University (adaptive, emergency, transit, etc)	1.06
B9	Add peak hour auto travel lane by removing on street parking along University between San Pablo and 6th	0.76
B4	Create additional EB/WB lane at along Allston Way at 6th	0.69
B21	Upgrade signals along Gilman (adaptive, emergency, transit, etc)	0.58
B16	Extend/Pave 5th between Potter and Ashby	0.57
B2	Create additional EB/WB lanes on Dwight at San Pablo	0.54
B18	Install signal at 4th and Hearst	0.53

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Scenario D: TDM

Benefit / Cost Rank

#	Short Term Projects	Score
A40	Implement a pedestrian scramble phase at San Pablo and University	5.00
A3	San Pablo Queue Jumps at University (NB and SB)	4.36
A1	San Pablo Queue Jumps at Ashby (NB and SB)	4.08
A36	Prohibit WB left turns on weekend at Ashby and San Pablo	3.50
A2	San Pablo Queue Jumps at Dwight (NB and SB)	3.14
A38	Remove pedestrian actuation from controller at University and San Pablo and make pedestrian walk phase with audible signal automatic on all legs	2.50
A4	San Pablo Queue Jumps at Gilman (NB and SB)	2.25
A26	Improve pedestrian crossing timings at 6th and Gilman	2.00
A53	Adjust 7th and Ashby signalization	1.92
A20	Create class II.5 bike facility between Hearst and Dwight on 4th	1.88

#	Long Term Projects	Score
B26	Congestion Charging for freeway traffic into Berkeley*	2.50
B6	Create a bicycle boulevard along Addison Street connecting Aquatic Park to Ohlone Parkway	1.88
B2	Create additional EB/WB lanes on Dwight at San Pablo	0.94
B28	Signalize 7th and Carleton	0.83
B17	Build a bike bridge over Ashby along 9th Street multi-use trail.	0.77
B3	Widen WB approach at Ashby and San Pablo to create dedicated left turn lane	0.63
B10	Add peak hour transit only travel lane along San Pablo by removing on street parking between Ashby and Gilman	0.45
B18	Install signal at 4th and Hearst	0.38
B9	Add peak hour auto travel lane by removing on street parking along University between San Pablo and 6th	0.35
B1	Create additional NB/SB left turn lanes on 7th at Carleton	0.31

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* project assumes significant return in revenue to offset high capital cost



Pure Benefit

#	Short Term Projects	Score
A37	Install bicycle and pedestrian-actuated traffic signals at 6th and Channing	7.50
A39	Install flashing pedestrian crossings at Jones along San Pablo	7.38
A8	Repave Gilman Street Between San Pablo and West Frontage	6.90
B17	Build a bike bridge over Ashby along 9th Street multi-use trail.	5.38
A40	Implement a pedestrian scramble phase at San Pablo and University	5.00
A65	Provide a transit pass for residents of Berkeley for AC Transit bus services	5.00
A29	Create multi-use path along existing railroad tracks (9th St) from Heinz to Emeryville border	4.88
A10	Repave University Ave between San Pablo and 5th Street	4.75
A3	San Pablo Queue Jumps at University (NB and SB)	4.36
A43	Install signal at San Pablo and Virginia	4.25

#	Long Term Projects	Score
B26	Congestion Charging for freeway traffic into Berkeley*	7.50
B17	Build a bike bridge over Ashby along 9th Street multi-use trail.	5.38
B6	Create a bicycle boulevard along Addison Street connecting Aquatic Park to Ohlone Parkway	3.75
B10	Add peak hour transit only travel lane along San Pablo by removing on street parking between Ashby and Gilman	3.50
B28	Signalize 7th and Carleton	2.50
B18	Install signal at 4th and Hearst	2.25
B3	Widen WB approach at Ashby and San Pablo to create dedicated left turn lane	1.88
B13	Grade Separate Gilman Rail Crossing with Two Lane Bridge	1.75
B11	Replace Ashby interchange (partial cloverleaf/diamond or roundabout design)	1.50
B19	Install signal at 4th and Allston	1.13

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