

Prospective improvements listed here will be vetted, ranked by priority criteria, and tested for feasibility - priority projects culled from this list will then be packaged as alternatives for the WBCMP. Projects on list to date may still be infeasible.

## PRELIMINARY PROJECT IMPROVEMENT LIST

UPDATED JULY 24, 2008

X1	Primary Projects
X1.1	Secondary Projects

### TRANSIT IMPROVEMENTS

#### SHORT TERM

A1	San Pablo Queue Jumps at Ashby (NB and SB)
A1.1	Remove on street parking back 100' 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 100' 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 100' 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 100' from intersection along San Pablo
A4.2	Restripe to create a bus/right turn only lane
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 University 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
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 throughout the day
A63	Improve connections and transfers of Route 9 and other transit services
A64	Create shuttle between North Berkeley BART and West Berkeley, servicing the 4th 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
A70	Offer line 19 service to downtown all day (not just during peak hours)
A71	Install Queue Jump lanes along University Ave at San Pablo in EB and WB directions



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A72	Install Queue Jump lanes along University Ave at 6th St. in the WB direction
A73	Move WB stop at University and San Pablo to farside location
A74	Install Queue Jump lanes along Gilman at San Pablo in EB and WB directions
A75	Relocate EB bus stop at San Pablo and Gilman to farside location
A76	Add rapid stop at San Pablo and Cedar
A77	Extend 1R service from Downtown to Amtrak stop
A78	Provide more direct bus service from Downtown Berkeley to Berkeley Pier/Cesar Chavez Park (existing 51M)
A79	Upgrade bus stop at 6th and Delaware
A80	Upgrade bus stop at 6th and Gilman
A81	Transit subsidy program for shoppers (similar to parking reimbursement) to validate transit ride
A82	Increase capacity on Route 9 - larger buses
A83	Coordinate AC Transit services at BART station to improve connectivity, especially at Ashby and North Berkeley where connecting transit is limited
A84	Add AC Transit transbay service along Dwight Way that could connect directly to Telegraph and UC Berkeley
A93	Operate Route Z all day during the weekdays
A94	Add real time information to all stops in West Berkeley

LONG TERM

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
B29	Add transit lanes in the median of San Pablo between Ashby and Gilman



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## BICYCLE IMPROVEMENTS

### SHORT TERM

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 (bike boulevard) between Virginia and Channing
A20.1	Create class II.5 bike facility (bike boulevard) between Virginia and Hearst on 5 <sup>th</sup> St.
A20.2	Create class II.5 bike facility (bike boulevard) between 4 <sup>th</sup> and 5 <sup>th</sup> on Hearst St.
A20.3	Create class II.5 bike facility (bike boulevard) between Hearst and Channing on 4 <sup>th</sup> St.
A37	Install bicycle and pedestrian-actuated traffic signals at 6 <sup>th</sup> and Channing
A43	Install signal at San Pablo and Virginia
A67	Provide convenient and secure bicycle parking in various areas of West Berkeley
A68	Provide pool vehicles for use by employees during the day
A69	Provide pool of bicycles for use by West Berkeley visitors/employees (bike check out programs)
A87	Remove or flip stop signs on Bicycle Boulevards to limit stopping of bikes
A87.1	Ensure proper traffic calming is in place to limit cut through auto traffic on bike boulevards
A88	Add special signal heads on bike boulevards where they cross arterials that gives green phase for cyclist prior to green phase for autos
A89	Add painted markings where bike lanes cross right turn lanes to indicated conflict area between bikes and autos
A90	Paint bicycle lanes to increase visibility for motorists
A91	Designate and mark bike boxes along bike boulevard where they cross arterial network
A92	Create a bike station at or near the Amtrak station

### LONG TERM

B6	Create a class II.5 facility (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
B17	Signalize crossing at Bike/Ped Path just east of 9 <sup>th</sup>
B17.1	Tie bike signal into signal at 9 <sup>th</sup> and Ashby
B20	Install traffic signal at San Pablo and Channing
B20.1	Install bike loop detector



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## PEDESTRIAN IMPROVEMENTS

### SHORT TERM

A11	Restripe pedestrian crossings along Cedar at 4th, 5th, 6th, 7th, 8th, 9th and 10th streets
A11.1	Install truncated domes along Cedar at 4 <sup>th</sup> , 5 <sup>th</sup> , 9 <sup>th</sup> , and 10 <sup>th</sup>
A12	Install truncated domes along Dwight at 4th, 6th, 7th, 8th, and 9th
A13	Extend paved median on east side of San Pablo at Cedar to reach crosswalk
A14	Pave sidewalks adjacent to James Kenney Park on 7th and 8th
A15	Pave sidewalks along 9th between Cedar and Page
A16	Pave sidewalk along west side of 8th between Camelia and Gilman
A17	Pave sidewalk along east side of 7th between Camelia and Harrison
A26	Improve pedestrian crossing timings at 6th and Gilman
A29	Create multi-use path along existing railroad tracks (9th St) from Heinz to Emeryville border
A29.1	Channel bikes/pedestrians to crossing at 9 <sup>th</sup> and Ashby
A29.2	Upgrade paths/connections to 9 <sup>th</sup> and Ashby signalized crossing
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 9th
A42.1	Install audible pedestrian crossing signals at University and 9 <sup>th</sup>
A42.3	Improve pedestrian crossing times at University and 9 <sup>th</sup>
A44	Install audible signals along San Pablo at Gilman, Cedar, Delaware, Addison, Allston, Dwight, Grayson and Ashby
A45	Install signal countdown heads at 6th and University
A45.1	Adjust signal timings for new geometry and appropriate pedestrian walk cycles
A49	Improve pedestrian walk times at 6th and Hearst
A50	Install audible pedestrian signal at 6th and Hearst
A54	Improve pedestrian crossing timings at Ashby and 9th
A85	Create directional curb ramps at Dwight and San Pablo that connect directly to the crosswalks
A86	Add bulb outs at crosswalks along Dwight at 8th, 8th and 10th Streets



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## AUTO IMPROVEMENTS

### SHORT TERM

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 <sup>th</sup> and Gilman
A8.2	Add bike marking to roadway (sharrows) along Gilman
A8.3	Create dedicated left turn lanes at 6 <sup>th</sup> and Gilman
A8.4	Create dedicated left turn lanes at 4 <sup>th</sup> and Gilman
A8.5	Install high visibility crosswalk at 5 <sup>th</sup> and Gilman
A8.6	Install high visibility crosswalk at 7 <sup>th</sup> and Gilman
A8.7	Install high visibility crosswalk at 9 <sup>th</sup> and Gilman
A8.8	Install truncated domes at 10 <sup>th</sup> and Gilman crossing
A8.9	Install perpendicular curb ramps at Gilman and 6 <sup>th</sup>
A8.10	Install perpendicular curb ramps at Gilman and 8 <sup>th</sup>
A9	Repave 4th St between Gilman and Virginia
A10	Repave University Ave between San Pablo and 5th Street
A10.1	Create pedestrian refuges along University at 7 <sup>th</sup> , 8 <sup>th</sup> , 9 <sup>th</sup> , 10 <sup>th</sup> and San Pablo that are ADA compliant
A10.2	Install directional curb ramps with truncated domes at University and 7 <sup>th</sup> , 8 <sup>th</sup> , 9 <sup>th</sup> and 10 <sup>th</sup> Streets
A10.3	Install pedestrian/bike activated flashing lights across University at 9 <sup>th</sup>
A25	Prohibit left and through movements at Gilman and Eastshore
A27	Add EB right turn pocket (~100') at Hearst and 6 <sup>th</sup>
A27.1	Remove parking spaces on south side of Hearst approach
A28	Add 2nd NB left turn lane at 6 <sup>th</sup> and University
A28.1	Remove parking spaces on east side of 6 <sup>th</sup>
A28.2	Restripe 6 <sup>th</sup> Street between Addison and University
A28.3	Add NB signal head at 6 <sup>th</sup> and University
A30	Extend Ashby EB left turn bay at 7 <sup>th</sup> by 150'
A30.1	Restripe Ashby west of 7 <sup>th</sup> St
A31	Create two WB lanes on Heinz (Through/Right and Left only) at 7 <sup>th</sup>
A31.1	Restripe Heinz east of 7 <sup>th</sup>
A31.2	Remove parking (75') on north side of Heinz east of 7 <sup>th</sup>
A32	Add additional SB lane between Heinz and Anthony on 7 <sup>th</sup>
A32.1	Remove SB left turn onto Anthony
A32.2	Remove on street parking along 7 <sup>th</sup> between Heinz and Anthony
A33	Signalize intersection of Heinz and San Pablo
A33.1	Install countdown signal heads



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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 weekend at Ashby and San Pablo
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 6th
A48	Move stop control at Hearst and Eastshore to off ramp movement and allow free movement on Hearst/Eastshore
A52	Move traffic signal from Potter to Anthony
A52.1	Make Potter right in/right out
A52.2	Add runable median along 7th at Potter to prevent through movements on Potter and left turns from 7th
A52.3	Make Anthony one-way WB
A53	Adjust 7th and Ashby signalization
A53.1	Improve pedestrian crossing timings
A53.2	Optimize timings with other short-term improvements
A57	Improve wayfinding from I80 to major destinations in West Berkeley
A58	Better signage, give info on parking supply location, state of occupancy, etc.
A68	Provide pool of vehicles for use by West Berkeley visitors/employees (car share options)

LONG TERM

B1	Create additional NB/SB left turn lanes on 7th at Carleton
B1.1	Remove on street parking 150' from intersection of 7th and Carleton
B1.2	Restripe NB and SB lanes on 7th 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 4th St
B4	Create additional EB/WB lane at along Allston Way at 6th
B4.1	Remove on street parking between 5th and 6th (south side of Allston) and between 6th and 7th (north side of Allston)
B4.2	Restripe EB/WB lanes on Allston at 6th
B5	Create additional NB/SB left turn lane along 6th at Channing
B5.1	Remove on street parking 100' from intersection between Dwight and Channing (east side of 6th) and between Channing and Bancroft (west side of 6th)
B5.2	Restripe NB/SB lanes on 6th at Channing
B7	Repave 2nd Street between Gilman and Hearst
B7.1	Add sidewalks to both sides of street
B7.2	Remove railroad spur in roadway



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B8	Repave Harrison Street between 6th and San Pablo
B8.1	Add missing sidewalks between 7 <sup>th</sup> and 8 <sup>th</sup> St.
B9	Add peak hour auto travel lane by removing on street parking along University between San Pablo and 6th
B9.1	Signage and signal upgrades to account for new travel lanes
B11	Replace Ashby interchange (partial cloverleaf/diamond or roundabout design)
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
B14	Open 5 <sup>th</sup> St. (SB) at University
B14.1	Add signal at 5 <sup>th</sup> and University and tie into signal at 6 <sup>th</sup> and University
B14.2	Restripe WB University between 5 <sup>th</sup> and 6 <sup>th</sup>
B14.3	Remove parking along University between 5 <sup>th</sup> and 6 <sup>th</sup> on north side of street
B14.4	Restripe SB 5 <sup>th</sup> between Hearst and University
B14.5	Remove parking along 5 <sup>th</sup> St. just north of University
B14.6	Add WB left turn lane on Hearst at 5 <sup>th</sup> St
B14.7	Remove parking along north side of WB Hearst at 5 <sup>th</sup>
B15	Create a full interchange design at University
B16	Extend/Pave 5th between Potter and Ashby
B16.1	Create easement through properties (APN 053164700100 and 053164700202) for 5 <sup>th</sup> St to connect to Ashby
B16.2	Slope 5 <sup>th</sup> St between Potter and Ashby to bridge elevation change
B16.3	Create right in/right out intersection at Ashby WB and new 5 <sup>th</sup> Street extension
B16.4	Restripe Anthony west of 7 <sup>th</sup>
B16.5	Restripe 5 <sup>th</sup> St between Anthony and Ashby
B16.6	Stop control SB movement on 5 <sup>th</sup> St at Anthony
B16.7	Stop control EB and WB movements on Potter St. at 5 <sup>th</sup> St
B16.8	Restripe three SB lanes along 7 <sup>th</sup> at Ashby to one through/right and two left turns
B18	Install signal at 4th and Hearst
B19	Install signal at 4th and Allston
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 6th/7th (adaptive, emergency, transit, etc)
B25	Upgrade signals along San Pablo (adaptive, emergency, etc)
B27	Close Camelia at the RR tracks to through traffic
B28	Signalize 7th and Carleton



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## TRUCK IMPROVEMENTS

### SHORT TERM

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.
A55.5	Add/update truck routing signage along San Pablo Ave.
A55.5	Add/update truck routing signage along 6 <sup>th</sup> /7 <sup>th</sup> St
A56	Designate 6th/7th between Gilman and Ashby as truck route
A56.1	Ensure proper turning radii for intersections and adequate lane widths