

## PROPOSED LEVY LID LIFT PROJECTS

### Summary of Improvement Costs

<b>Year 1</b>		<b>Year 2</b>	
Arterial Street Improvement Projects:	\$19,891,228	Arterial Street Improvement Projects:	\$13,695,090
School Zone Warning Beacons:	\$420,000	School Zone Warning Beacons:	\$1,201,200
Residential Street Restoration Program:	\$9,641,450	Residential Street Restoration Program:	\$11,711,700
		Local Improvement District Projects:	\$3,766,000
<b>TOTAL</b>	<b>\$29,952,678</b>	<b>TOTAL</b>	<b>\$30,373,990</b>
 <b>Year 3</b>		 <b>Year 4</b>	
Arterial Street Improvement Projects:	\$20,149,500	Arterial Street Improvement Projects:	\$ 18,174,713
School Zone Warning Beacons:	\$910,668	School Zone Warning Beacons:	\$454,960
Residential Street Restoration Program:	\$8,943,480	Residential Street Restoration Program:	\$11,368,000
<b>TOTAL</b>	<b>\$30,003,648</b>	<b>TOTAL</b>	<b>\$ 29,997,673</b>
 <b>Year 5</b>		 <b>Year 6</b>	
Arterial Street Improvement Projects:	\$ 19,922,147	Arterial Street Improvement Projects:	\$ 19,922,755
School Zone Warning Beacons:	\$675,822	School Zone Warning Beacons:	\$832,876
Residential Street Restoration Program:	\$9,453,000	Residential Street Restoration Program:	\$9,275,100
<b>TOTAL</b>	<b>\$ 30,050,969</b>	<b>TOTAL</b>	<b>\$ 30,030,731</b>

## Year 1 – ARTERIAL STREET IMPROVEMENTS PROJECTS

Project	Description	Council District	NC	List	Comments	Cost Estimate
Northshore Parkway NE - Ridge Dr NE to East City Limits	Arterial Street Improvement	2	Northeast Tacoma	Top 10 & Bike Map	No curbs or gutters. Numerous driveways. Sq Yd 31000	\$ 8,370,000
South Tacoma Way – S 43 <sup>rd</sup> to 47 <sup>th</sup>	Grind and Overlay	3	South Tacoma	Top 10 & Bike Map	Could be included in Yr 1 if not grant funded. One mid block ped crossings with beacons.	\$ 935,000
E 34th St - E Portland Av to E Roosevelt Av	Arterial New Construction	4	Eastside	Top 10	Concrete roadway needs to be removed and full structural section with subgrade engineering. Total SY 12160	\$ 3,600,000
S 56th - I-5 to West City Limits	Arterial Street Improvement	3 & 5	South Tacoma		Will include grind & overlay, selective concrete panel replacement, and landscaping.	\$ 6,986,228
					<b>TOTAL</b>	<b>\$ 19,891,228</b>

**Note:** All projects are included in the Amended 2008 & 2009-2014 Comprehensive Transportation Program. Complete Street concepts will be included, where appropriate.

### ASSUMPTIONS:

- All costs DO NOT include storm, detention, water quality, sanitary, water or other utilities.
- All projects are using 2009 pricing unless otherwise noted.
- All projects include ADA ramps, etc, as required.
- Costs assume no right of way monies needed.
- All projects have a 10% force account (contingency).
- All projects have assumed 25% engineering and 15 construction administration/inspection.
- For some projects the engineering costs have been inflated in case consultants are needed for design, etc.

**Year 1 – SCHOOL ZONE WARNING BEACONS**

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<b>Crossing</b>	<b>Description</b>	<b>Council District</b>	<b>NC</b>	<b>List</b>	<b>Comments</b>	<b>Cost Estimate</b>
Crossing North 21 <sup>st</sup> Street at Orchard Street.	Downing Elem. Crossing west leg of intersection at traffic signal.	1	West End & North End	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 26,000
Crossing Stevens Street at North 39 <sup>th</sup> Street	Sherman Elem. Crossing north leg of intersection	1	North End	2009 Adult Crosswalk Locations	Arterial crossing. Non-signalized crossing. Includes overhead crosswalk sign, sidewalk ramps, and advanced beacons. Two lane road, no island required.	\$ 81,000
					<b>TOTAL</b>	<b>\$ 107,000</b>

<b>Crossing</b>	<b>Description</b>	<b>Council District</b>	<b>NC</b>	<b>List</b>	<b>Comments</b>	<b>Cost Estimate</b>
Crossing Sprague Street at South 9 <sup>th</sup> Street	Bryant Elem. Crossing north leg of intersection at traffic signal.	2	Central	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 26,000
Crossing 6 <sup>th</sup> Avenue at Sprague Avenue	Jason Lee Middle School. Crossing west leg of intersection at traffic signal.	2	Central & North End	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 26,000
Crossing South 9 <sup>th</sup> Street at Ainsworth Street	Bryant Elem. Crossing east leg of intersection.	2	Central	2009 Adult Crosswalk Locations	Arterial crossing. Non-signalized crossing. Includes overhead crosswalk sign, sidewalk ramps, and advanced beacons. Include two bulb-outs to improve crossing safety.	\$ 131,000
					<b>TOTAL</b>	<b>\$ 183,000</b>

**Year 1 – SCHOOL ZONE WARNING BEACONS**

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Crossing	Description	Council District	NC	List	Comments	Cost Estimate
Crossing Tacoma Avenue at South 13 <sup>th</sup> Street	NW School of Innovative Learning. Crossing north leg of intersection at traffic signal.	3	New Tacoma	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 26,000
Crossing Cedar Street at South 12 <sup>th</sup> Street	Franklin Elem. Crossing south leg of intersection at traffic signal.	3	Central	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 26,000
					<b>TOTAL</b>	<b>\$ 52,000</b>

Crossing	Description	Council District	NC	List	Comments	Cost Estimate
Crossing Pacific Avenue at South 36 <sup>th</sup> Street	Lyon Elem. Crossing north leg of intersection at traffic signal.	4	Eastside & South End	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 26,000
					<b>TOTAL</b>	<b>\$ 26,000</b>

Crossing	Description	Council District	NC	List	Comments	Cost Estimate
Crossing South 56 <sup>th</sup> Street at Tyler Street	Gray Middle School. Crossing east leg of intersection at traffic signal.	5	South Tacoma	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 26,000
Crossing South 56 <sup>th</sup> Street at Tyler Street	Gray Middle School. Crossing west leg of intersection at traffic signal.	5	South Tacoma	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 26,000
					<b>TOTAL</b>	<b>\$ 52,000</b>

**Note:** This would construct a pedestrian school flashing crosswalk at all arterial school crossing locations currently identified by both the Tacoma School District and City of Tacoma Public Works as part of the current walking route system. All ADA improvements will be constructed as part of each project (as needed).

**Year 1 – RESIDENTIAL STREET RESTORATION PROGRAM**

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Project	Description	Council District	NC	List	Comments	Cost Estimate
N 16th St - N Mason St to N Tyler St	Residential New Construction	1	North End		Blocks: 1	\$ 338,000
N 16th St - N Tyler St to N Monroe St	Residential New Construction	1	North End		Blocks: 1	\$ 338,000
N 19th St - N Madison St to N Monroe St	Residential New Construction	1	North End		Blocks: 1	\$ 338,000
N 39th St - N Orchard St to N Ferdinand St	Residential New Construction	1	North End		Blocks: 2	\$ 676,000
N 39th St - N Ferdinand St to N Mullen St	Residential New Construction	1	North End & West End		Blocks: 1	\$ 338,000
					<b>TOTAL</b>	<b>\$ 2,028,000</b>

Project	Description	Council District	NC	List	Comments	Cost Estimate
NE 49th St - NE Harborview Dr to B P B	Residential New Construction	2	Northeast Tacoma		Blocks: 6	\$ 2,028,000
NE 53rd St - NE Francis Av to NE Beverly Av	Residential New Construction	2	Northeast Tacoma		Blocks: 1	\$ 338,000
					<b>TOTAL</b>	<b>\$ 2,366,000</b>

Project	Description	Council District	NC	List	Comments	Cost Estimate
S Hosmer - S 19th to S 21st	Residential New Construction	3	Central		Blocks: 2 - Citizen Request	\$ 676,000
S Pine - S 17th to S 18th	Residential New Construction	3	Central		Blocks: 1 - From 08 list/1-Call	\$ 338,000
S 17th St - S Pine to S Anderson	Residential New Construction	3	Central		Blocks: 1	\$ 338,000
S 14th St - S Verde to Alley West	Residential New Construction	3	Central		Blocks: 0.5	\$ 177,450
					<b>TOTAL</b>	<b>\$ 1,529,450</b>

**Year 1 – RESIDENTIAL STREET RESTORATION PROGRAM**

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Project	Description	Council District	NC	List	Comments	Cost Estimate
S 45th St - Pacific Av to Bell St	Residential New Construction	4	Eastside		Blocks: 1	\$ 338,000
S 45th St - Bell St to A St	Residential New Construction	4	Eastside		Blocks: 1	\$ 338,000
S 45th St - E B St to E C St	Residential New Construction	4	Eastside		Blocks: 1	\$ 338,000
					<b>TOTAL</b>	<b>\$ 1,014,000</b>

Project	Description	Council District	NC	List	Comments	Cost Estimate
Bell St - E 67th St to E 68th St	Residential New Construction	5	Eastside		Blocks: 1	\$ 338,000
Bell St - E 68th St to E 70th St	Residential New Construction	5	Eastside		Blocks: 2	\$ 676,000
E 63rd St - E D St to E F St	Residential New Construction	5	Eastside		Blocks: 2	\$ 676,000
E F St - E 63rd St to E 62nd St	Residential New Construction	5	Eastside		Blocks: 1	\$ 338,000
E 63rd St - E B St to E D ST	Residential New Construction	5	Eastside		Blocks: 2	\$ 676,000
					<b>TOTAL</b>	<b>\$ 2,704,000</b>

**ASSUMPTIONS:**

- All costs DO NOT include storm, detention, water quality, sanitary, water or other utilities.
- All projects are using 2009 pricing unless otherwise noted.
- All projects include ADA ramps, etc, as required.
- Costs assume no right of way monies needed.
- All projects have a 10% force account (contingency).
- All projects have assumed 25% engineering and 15% construction administration/inspection.

**Added 5% to 2009 cost estimate for inflation**

Project	Description	Council District	NC	List	Comments	Cost Estimate
S 12th St - Mildred St to S Jackson Av	Arterial Rehabilitation	1	Westend	Top 10	Total SY 14165	\$ 3,057,600
Stadium Way	Arterial Street Improvement	2	New Tacoma	Bike Map	Partially grant funded. One mid block ped crossings with beacons.	\$ 4,260,000
E Portland Av - E 38th to E 72nd	Arterial Rehabilitation	4	Eastside	Top 10	Total SY 63118	\$ 6,377,490
<b>TOTAL</b>						<b>\$ 13,695,090</b>

**Note:** All projects are included in the Amended 2008 & 2009-2014 Comprehensive Transportation Program. Complete Street concepts will be included, where appropriate.

**ASSUMPTIONS:**

- All costs DO NOT include storm, detention, water quality, sanitary, water or other utilities.
- All projects are using 2009 pricing plus 5%.
- All projects include ADA ramps, etc, as required.
- Costs assume no right of way monies needed.
- All projects have a 10% force account (contingency).
- All projects have assumed 25% engineering and 15 construction administration/inspection.
- For some projects the engineering costs have been inflated in case consultants are needed for design, etc.

Year 2 – LOCAL IMPROVEMENT DISTRICTS FOR PETITIONS RECEIVED

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Added 5% to 2009 cost estimate for inflation

LID Location	Description	Council District	NC	List	Comments	Cost Estimate
Defiance St from North 49 <sup>th</sup> to North 50 <sup>th</sup>	LID Order Received #18	1	West End	Petition Received	May or may not include sidewalks on both sides. Estimate is for City Participation	\$ 150,000
East 61 <sup>st</sup> from East K to East L	LID Order Received #20	4	Eastside	Petition Received	May or may not include sidewalks on both sides. Estimate is for City Participation	\$ 240,000
A Street from South 74 <sup>th</sup> to South 76 <sup>th</sup>	LID Order Received #22	5	South End	Petition Received	May or may not include sidewalks on both sides. Estimate is for City Participation	\$ 310,000
27 <sup>th</sup> Street NE from 57 <sup>th</sup> Avenue NE to 58 <sup>th</sup> Avenue NE	LID Order Received #23	2	Northeast Tacoma	Petition Received	May or may not include sidewalks on both sides. Estimate is for City Participation	\$ 86,000
East C from East 82 <sup>nd</sup> north to the Dead End	LID Order Received #30	5	Eastside	Petition Received	May or may not include sidewalks on both sides. Estimate is for City Participation	\$ 315,000
Darien Driver from North 46 <sup>th</sup> to Frace Avenue	LID Order Received #34	1	West End	Petition Received	May or may not include sidewalks on both sides. Estimate is for City Participation	\$ 575,000
South 86 <sup>th</sup> from Yakima to Thompson	LID Order Received #35	5	South End	Petition Received	May or may not include sidewalks on both sides. Estimate is for City Participation	\$ 175,000
Mullen from North 46 <sup>th</sup> to North 47 <sup>th</sup>	LID Order Received #35	1	West End	Petition Received	May or may not include sidewalks on both sides. Estimate is for City Participation	\$ 200,000
Ruby from Baltimore to Shirley	LID Order Received #36	5	West End	Petition Received	May or may not include sidewalks on both sides. Estimate is for City Participation	\$ 300,000
East 50 <sup>th</sup> from McKinley Avenue west to the Dead End	LID Order Received #37	4	Eastside	Petition Received	May or may not include sidewalks on both sides. Estimate is for City Participation	\$ 360,000

Year 2 – LOCAL IMPROVEMENT DISTRICTS FOR PETITIONS RECEIVED

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**Added 5% to 2009 cost estimate for inflation**

LID Location	Description	Council District	NC	List	Comments	Cost Estimate
South 45 <sup>th</sup> from Warner to Puget Sound	LID Order Received #38	3	South Tacoma	Petition Received	May or may not include sidewalks on both sides. Estimate is for City Participation	\$ 40,000
Puget Sound Avenue from South 43 <sup>rd</sup> to South 45 <sup>th</sup>	LID Order Received #42	3	South Tacoma	Petition Received	May or may not include sidewalks on both sides. Estimate is for City Participation	\$ 315,000
					<b>SUB-TOTAL</b>	<b>\$ 3,066,000</b>
					Add Sidewalks (if needed)	\$ 700,000
					<b>TOTAL</b>	<b>\$ 3,766,000</b>

**Note:** Petitions have been received for all the above LID projects, but it will take a year to complete the process. For this reason, these LID projects are delayed until Year 2.

Year 2 – SCHOOL WARNING BEACONS

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Added 5% to 2009 cost estimate for inflation

Crossing	Description	Council District	NC	List	Comments	Cost Estimate
Crossing Orchard Street at North 21 <sup>st</sup> Street.	Downing Elem. Crossing south leg of intersection at traffic signal.	1	West End & North End	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 27,300
Crossing North 37 <sup>th</sup> Street at Stevens Street	Sherman Elem. Crossing west leg of intersection at roundabout	1	North End	2009 Adult Crosswalk Locations	Arterial crossing. Non-signalized crossing. Includes overhead crosswalk sign, sidewalk ramps, and advanced beacons. Two lane road, no island required.	\$ 85,050
					<b>TOTAL</b>	<b>\$ 112,350</b>

Crossing	Description	Council District	NC	List	Comments	Cost Estimate
Crossing 6 <sup>th</sup> Avenue at Grant Street	Bryant Elem. Crossing east leg of intersection.	2	Central & North End	2009 Adult Crosswalk Locations	Arterial crossing. Non-signalized crossing includes overhead crosswalk sign, sidewalk ramps, and advanced beacons. Include island to improve crossing safety.	\$ 106,050
Crossing I Street at North 12th Street	Lowell Elem. Crossing north leg of intersection at traffic signal.	2	North End	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 27,300
Crossing North 12th Street at I Street	Lowell Elem. Crossing west leg of intersection at traffic signal.	2	North End	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 27,300
Crossing 6 <sup>th</sup> Avenue at State Street	Jason Lee Middle School. Crossing east leg of intersection at traffic signal.	2	Central & North End	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 27,300
					<b>TOTAL</b>	<b>\$ 187,950</b>

Year 2 – SCHOOL WARNING BEACONS

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Added 5% to 2009 cost estimate for inflation

Crossing	Description	Council District	NC	List	Comments	Cost Estimate
Crossing South 12 <sup>th</sup> Street at Cedar Street	Franklin Elem. Crossing west of intersection at traffic signal.	3	Central	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 27,300
Crossing South 12 <sup>th</sup> Street at Cedar Street	Franklin Elem. Crossing east of intersection at traffic signal.	3	Central	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 27,300
Crossing Union Avenue at South 12 <sup>th</sup> Street	Franklin Elem. Crossing south leg of intersection at traffic signal.	3	Central	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 27,300
Crossing Tyler Street at South 56 <sup>th</sup> Street	Gray Middle School. Crossing north leg of intersection at traffic signal.	3	South Tacoma	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 27,300
					<b>TOTAL</b>	<b>\$ 109,200</b>

Crossing	Description	Council District	NC	List	Comments	Cost Estimate
Crossing Thompson Avenue at South 40 <sup>th</sup> Street	Whitman Elem. Crossing north leg of intersection.	4	South End	2009 Adult Crosswalk Locations	Arterial crossing. Non-signalized crossing. Includes overhead crosswalk sign, sidewalk ramps, and advanced beacons. Narrow Street. No island or bulb-outs.	\$ 85,050
Crossing McKinley Avenue at South 37 <sup>th</sup> Street	McKinley Elem. Crossing south leg of intersection.	4	Eastside	2009 Adult Crosswalk Locations	Arterial crossing. Non-signalized crossing. Includes overhead crosswalk sign, sidewalk ramps, and advanced beacons. Include island to improve crossing safety.	\$ 106,050
					<b>TOTAL</b>	<b>\$ 191,100</b>

Year 2 – SCHOOL WARNING BEACONS

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**Added 5% to 2009 cost estimate for inflation**

Crossing	Description	Council District	NC	List	Comments	Cost Estimate
Crossing South 84 <sup>th</sup> Street at Park Avenue	Fern Hill Elem. Crossing east leg of intersection at traffic signal.	5	South End	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 27,300
Crossing South 84 <sup>th</sup> Street at Park Avenue	Fern Hill Elem. Crossing west leg of intersection at traffic signal.	5	South End	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 27,300
Crossing South 84 <sup>th</sup> Street at Yakima Avenue	Fern Hill Elem. Crossing east leg of intersection at traffic signal.	5	South End	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 27,300
					<b>TOTAL</b>	<b>\$ 600,600</b>

**Note:** This would construct a pedestrian school flashing crosswalk at all arterial school crossing locations currently identified by both the Tacoma School District and City of Tacoma Public Works as part of the current walking route system. All ADA improvements will be constructed as part of each project (as needed).

Year 2 – RESIDENTIAL STREET RESTORATION PROGRAM

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Added 5% to 2009 cost estimate for inflation

Project	Description	Council District	NC	List	Comments	Cost Estimate
N 39th St - N Mullen St to N Gove St	Residential New Construction	1	North End		Blocks: 1	\$ 354,900
N 39th St - N Gove St to N Cheyenne St	Residential New Construction	1	North End		Blocks: 1	\$ 354,900
N Monroe St - N 14th St to N 15th St	Residential New Construction	1	North End		Blocks: 1	\$ 354,900
N Mullen St - N 39th St to N 38th St	Residential New Construction	1	North End		Blocks: 1	\$ 354,900
N 42nd St - N Ferdinand St to N Mullen St	Residential New Construction	1	North End		Blocks: 1	\$ 354,900
N Ferdinand St - N 43rd St to N 45th	Residential New Construction	1	North End		Blocks: 2	\$ 709,800
N Ferdinand St - N 41st St to N 42nd	Residential New Construction	1	North End		Blocks: 1	\$ 354,900
N.Heatherwood - N 13th St to Bridgeview Drive	Residential New Construction	1	West End		Blocks: 1 - Citizen Request	\$ 354,900
					<b>TOTAL</b>	<b>\$ 3,194,100</b>

Project	Description	Council District	NC	List	Comments	Cost Estimate
NE 58th St - Browns Pt Blvd to Browns Pt Blvd	Residential New Construction	2	Northeast Tacoma		Blocks: 1 - Citizen Request	\$ 354,900
NE 53rd St - NPWY to NE 31st St	Residential New Construction	2	Northeast Tacoma		Blocks: 2	\$ 709,800
					<b>TOTAL</b>	<b>\$ 1,064,700</b>

Project	Description	Council District	NC	List	Comments	Cost Estimate
S Anderson St - S 17th to S 15th	Residential New Construction	3	Central		Blocks: 2	\$ 709,800
S Anderson St - S 19th to S 17th	Residential New Construction	3	Central		Blocks: 2	\$ 709,800
S Pine St - S 19th to S 17th	Residential New Construction	3	Central		Blocks: 2	\$ 709,800
					<b>TOTAL</b>	<b>\$ 2,129,400</b>

**Year 2 – RESIDENTIAL STREET RESTORATION PROGRAM**

**Added 5% to 2009 cost estimate for inflation**

Project	Description	Council District	NC	List	Comments	Cost Estimate
E 36th St - McKinley Av to Spokane St	Residential New Construction	4	Eastside		Blocks: 1	\$ 354,900
E 36th St - E I St to E J St	Residential New Construction	4	Eastside		Blocks: 1	\$ 354,900
E 36th St - E L St to E M St	Residential New Construction	4	Eastside		Blocks: 1	\$ 354,900
					<b>TOTAL</b>	<b>\$ 1,064,700</b>

Project	Description	Council District	NC	List	Comments	Cost Estimate
Bell St - S 45th St to S 43rd St	Residential New Construction	5	Eastside		Blocks: 1	\$ 354,900
E 45th St - E C St to D E E	Residential New Construction	5	Eastside		Blocks: 1	\$ 354,900
E 45th St - E E St to E F St	Residential New Construction	5	Eastside		Blocks: 1	\$ 354,900
E 45th St - E F St to E G St	Residential New Construction	5	Eastside		Blocks: 1	\$ 354,900
Burkhart Dr - S Mason St to S Cheyenne St	Residential New Construction	5	South Tacoma		Blocks: 4	\$ 1,419,600
Burkhart Dr - S Cheyenne St to S Mullen St	Residential New Construction	5	South Tacoma		Blocks: 3	\$ 1,064,700
S 64th St - S Alder St to S Montgomery St	Residential New Construction	5	South Tacoma		Blocks: 1	\$ 354,900
					<b>TOTAL</b>	<b>\$ 4,258,800</b>

**ASSUMPTIONS:**

- All costs DO NOT include storm, detention, water quality, sanitary, water or other utilities.
- All projects include ADA ramps, etc, as required.
- Costs assume no right of way monies needed.
- All projects have a 10% force account (contingency).
- All projects have assumed 25% engineering and 15% construction administration/inspection.

**Added 5% for each year following 2009 for inflation**

Project	Description	Council District	NC	List	Comments	Cost Estimate
Orchard – 6 <sup>th</sup> to SR 16	Arterial Street Improvement	3	Westend	Bike Map	Two mid block ped crossings with beacons.	\$ 2,730,000
S 48 <sup>th</sup> & Tacoma Mall Blvd	Intersection reconstruction plus 200 ft.	3	South Tacoma	Top 10	Propose concrete intersection and approach to reduce asphalt rutting	\$ 1,984,500
E 72 St - Portland Ave to City Limits East	Arterial Rehabilitation	4	Eastside		Total SY 9665	\$ 1,212,750
S Thompson Av - I-5 to S 48th St	Arterial New Construction	4	Southend	Top 10	This section is concrete and needs major reconstruction. Total SY 31168	\$ 10,253,250
38 <sup>th</sup> – I-5 to Pacific	Grind and Overlay	4	Southend	Top 10 & Stimulus	Two mid block ped crossings with beacons.	\$ 3,969,000
					<b>TOTAL</b>	<b>\$ 20,149,500</b>

**Note:** All projects are included in the Amended 2008 & 2009-2014 Comprehensive Transportation Program. Complete Street concepts will be included, where appropriate.

**ASSUMPTIONS:**

- All costs DO NOT include storm, detention, water quality, sanitary, water or other utilities.
- All projects include ADA ramps, etc, as required.
- Costs assume no right of way monies needed.
- All projects have a 10% force account (contingency).
- All projects have assumed 25% engineering and 15 construction administration/inspection.
- For some projects the engineering costs have been inflated in case consultants are needed for design, etc.

Year 3 – SCHOOL WARNING BEACONS

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Added 5% for each year following 2009 for inflation

Crossing	Description	Council District	NC	List	Comments	Cost Estimate
Crossing Cheyenne Street at North 39 <sup>th</sup> Street	Sherman Elem. Crossing south leg of intersection	1	North End	2009 Adult Crosswalk Locations	Arterial crossing. Non-signalized crossing. Includes overhead crosswalk sign, sidewalk ramps, and advanced beacons. Two lane road, no island required.	\$ 89,303
<b>TOTAL</b>						<b>\$ 89,303</b>

Crossing	Description	Council District	NC	List	Comments	Cost Estimate
Crossing Sprague Avenue at 6 <sup>th</sup> Avenue	Jason Lee Middle School. Crossing south leg of intersection at traffic signal.	2	Central & North End	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 28,665
Crossing Division Street at 6 <sup>th</sup> Avenue	Jason Lee Middle School. Crossing east leg of intersection at traffic signal.	2	Central & North End	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 28,665
Crossing South 9 <sup>th</sup> Street at Sprague Avenue	Bryant Elem. Crossing east leg of intersection at traffic signal.	2	Central	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 28,665
Crossing Sprague Avenue at 6 <sup>th</sup> Avenue	Jason Lee Middle School. Crossing north leg of intersection at traffic signal.	2	Central & North End	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 28,665
Crossing 6 <sup>th</sup> Avenue Sprague at Avenue	Jason Lee Middle School. Crossing east leg of intersection at traffic signal.	2	Central & North End	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 28,665
<b>TOTAL</b>						<b>\$ 143,325</b>

Crossing	Description	Council District	NC	List	Comments	Cost Estimate
Crossing South 12 <sup>th</sup> Street at Union Avenue	Franklin Elem. Crossing west leg of intersection at traffic signal.	3	Central	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 28,665
Crossing Union Avenue at South 15 <sup>th</sup> Street	Franklin Elem. Crossing north leg of intersection at traffic signal.	3	Central	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 28,665
Crossing Orchard Street at South 12 <sup>th</sup> Street	DeLong Elem. Crossing north leg of intersection at traffic signal.	3	Central	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 28,665
<b>TOTAL</b>						<b>\$ 85,995</b>

Year 3 – SCHOOL WARNING BEACONS

DRAFT

Added 5% for each year following 2009 for inflation

Crossing	Description	Council District	NC	List	Comments	Cost Estimate
Crossing McKinley Avenue at East 38 <sup>th</sup> Street	McKinley Elem. Crossing north leg of intersection at traffic signal.	4	Eastside	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 28,665
Crossing M Street South 52 <sup>nd</sup> Street	Mann Elem. Crossing south leg of intersection.	4	South End	2009 Adult Crosswalk Locations	Arterial crossing. Non-signalized crossing. Includes overhead crosswalk sign, sidewalk ramps, and advanced beacons. Include island to improve crossing safety.	\$ 111,353
Crossing East 44 <sup>th</sup> Street at Everett Street	Lister Elem. Crossing west leg of intersection.	4	Eastside	2009 Adult Crosswalk Locations	Arterial crossing. Non-signalized crossing. Includes overhead crosswalk sign, sidewalk ramps, and advanced beacons. Include island to improve crossing safety.	\$ 111,353
<b>SUB-TOTAL</b>						<b>\$ 251,371</b>

Crossing	Description	Council District	NC	List	Comments	Cost Estimate
Crossing Yakima Avenue at South 86 <sup>th</sup> Street	Fern Hill Elem. Crossing north leg of intersection.	5	South End	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 28,665
Crossing East 56 <sup>th</sup> Street at C Street	Fawcett Elem. Crossing east leg of intersection.	5	Eastside	2009 Adult Crosswalk Locations	Arterial crossing. Non-signalized crossing. Includes overhead crosswalk sign, sidewalk ramps, and advanced beacons. Include island to improve crossing safety.	\$ 111,353
Crossing East 64 <sup>th</sup> Street at A Street	Fawcett Elem. Crossing east leg of intersection.	5	Eastside	2009 Adult Crosswalk Locations	Arterial crossing. Non-signalized crossing. Includes overhead crosswalk sign, sidewalk ramps, and advanced beacons. Narrow Street. No island or bulb-outs.	\$ 89,303
Crossing South 96 <sup>th</sup> Street at A Street	Faith Lutheran Elem. Crossing west leg of intersection.	5	South End	2009 Adult Crosswalk Locations	Arterial crossing. Non-signalized crossing. Includes overhead crosswalk sign, sidewalk ramps, and advanced beacons. Include island to improve crossing safety.	\$ 111,353
<b>TOTAL</b>						<b>\$ 340,674</b>

**Note:** This would construct a pedestrian school flashing crosswalk at all arterial school crossing locations currently identified

by both the Tacoma School District and City of Tacoma Public Works as part of the current walking route system.

Updated: 6/16/2009

All ADA improvements will be constructed as part of each project (as needed).

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**Year 3 – RESIDENTIAL STREET RESTORATION PROGRAM**

**Added 5% for each year following 2009 for inflation**

Project	Description	Council District	NC	List	Comments	Cost Estimate
N Union St - N 33rd St to N 36th St	Residential New Construction	1	North End		Blocks: 3 - Citizen Request	\$ 1,117,935
N 44th St - Pearl St to N Highland St	Residential New Construction	1	West End		Blocks: 1	\$ 372,645
N Villard St - N 42nd St to N 43rd St	Residential New Construction	1	West End		Blocks: 1	\$ 372,645
N Villard St - N 43rd St to N 44th St	Residential New Construction	1	West End		Blocks: 1	\$ 372,645
N Villard St - N 44th St to N 45th St	Residential New Construction	1	West End		Blocks: 1	\$ 372,645
					<b>TOTAL</b>	<b>\$ 2,608,515</b>

Project	Description	Council District	NC	List	Comments	Cost Estimate
Scenic Drive NE - Beverly to St End E	Residential New Construction	2	Northeast		Blocks: 3	\$ 1,117,935
38th Ave NE - 33rd Ave NE to Browns Pt Blvd	Residential New Construction	2	Northeast		Blocks: 3	\$ 1,117,935
58th St NE - St End W to Browns Pt Blvd	Residential New Construction	2	Northeast		Blocks: 1	\$ 372,645
					<b>TOTAL</b>	<b>\$ 2,608,515</b>

Project	Description	Council District	NC	List	Comments	Cost Estimate
S Verde St - S 14th to S 16th	Residential New Construction	3	Central		Blocks: 2	\$ 745,290
					<b>TOTAL</b>	<b>\$ 745,290</b>

Project	Description	Council District	NC	List	Comments	Cost Estimate
S 39th St - S Ainsworth St to S Asotin St	Residential New Construction	4	South End		Blocks: 1	\$ 372,645
S 39th St - S Alaska St to S Wilkeson St	Residential New Construction	4	South End		Blocks: 1	\$ 372,645
					<b>TOTAL</b>	<b>\$ 745,290</b>

**Added 5% for each year following 2009 for inflation**

Project	Description	Council District	NC	List	Comments	Cost Estimate
S 70th St - S Oakes St to S Pine St	Residential New Construction	5	South Tacoma		Blocks: 1	\$ 372,645
S 70th St - S Pine St to S Junett St	Residential New Construction	5	South Tacoma		Blocks: 1	\$ 372,645
S Mason St - S 73rd St to Burkhart Dr	Residential New Construction	5	South Tacoma		Blocks: 1	\$ 372,645
S Mason St - Burkhart Dr to S 74th St	Residential New Construction	5	South Tacoma		Blocks: 1	\$ 372,645
S Mullen St - S 73rd St to Burkhart Dr	Residential New Construction	5	South Tacoma		Blocks: 1	\$ 372,645
S Mullen St - Burkhart Dr to S 74th St	Residential New Construction	5	South Tacoma		Blocks: 1	\$ 372,645
					<b>TOTAL</b>	<b>\$ 2,235,870</b>

**ASSUMPTIONS:**

- All costs DO NOT include storm, detention, water quality, sanitary, water or other utilities.
- All projects include ADA ramps, etc, as required.
- Costs assume no right of way monies needed.
- All projects have a 10% force account (contingency).
- All projects have assumed 25% engineering and 15% construction administration/inspection.

**YEAR 4 – ARTERIAL STREET IMPROVEMENT PROJECTS**

DRAFT

**Added 5% for each year following 2009 for inflation**

Project	Description	Council District	NC	List	Comments	Cost Estimate
Mildred St – 6th Ave to S 19th St	Grind and Overlay	1	Westend	Top 10	Propose concrete streets due to heavy transit use. One mid block ped crossings with beacons.	\$ 7,061,513
Tacoma Av - N 8th St to McCarver St	Arterial Rehabilitation	2	Northend		Total SY 12196	\$ 1,389,150
S 12th St - S Stevens St to S Cedar St	Arterial Rehabilitation	3	Central		Total SY 40101	\$ 4,630,500
E 64 <sup>th</sup> St – Portland Ave to McKinley Ave	Arterial Street Improvement	4 & 5	Eastside	Bike Map	42' wide road (10' turn lane, 11' lanes, 5' bike lanes – 7' SW). Two mid block ped crossings with beacons.	\$ 5,093,550
					<b>TOTAL</b>	<b>\$ 18,174,713</b>

**ASSUMPTIONS:**

- All costs DO NOT include storm, detention, water quality, sanitary, water or other utilities.
- All projects include ADA ramps, etc, as required.
- Costs assume no right of way monies needed.
- All projects have a 10% force account (contingency).
- All projects have assumed 25% engineering and 15 construction administration/inspection.
- Prices are based on previous estimates at \$30/SF

Year 4 – SCHOOL WARNING BEACONS

DRAFT

Added 5% for each year following 2009 for inflation

Crossing	Description	Council District	NC	List	Comments	Cost Estimate
Crossing North 46 <sup>th</sup> Street at Pearl Street	Pt. Defiance Elem. Crossing east leg of intersection at traffic signal.	1	West End	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 30,100
<b>TOTAL</b>						<b>\$ 30,100</b>

Crossing	Description	Council District	NC	List	Comments	Cost Estimate
Crossing East 51 <sup>st</sup> Street at Browns Point Blvd	Browns Point Elem. Crossing east leg of intersection.	2	Northeast Tacoma	2009 Adult Crosswalk Locations	Arterial crossing. Non-signalized crossing. Includes overhead crosswalk sign, sidewalk ramps, and advanced beacons. Stop sign controlled intersection with left-turn lanes. Not wide enough for island or bulb-outs.	\$ 93,770
<b>TOTAL</b>						<b>\$ 93,770</b>

Crossing	Description	Council District	NC	List	Comments	Cost Estimate
Crossing South 15 <sup>th</sup> Street at Grant	Stanley Elem. Crossing east leg of intersection.	3	Central	2009 Adult Crosswalk Locations	Arterial crossing. Non-signalized crossing. Includes overhead crosswalk sign, sidewalk ramps, and advanced beacons. Include island to improve crossing safety.	\$ 116,920
Crossing South 13 <sup>th</sup> Street at Tacoma Avenue	NW School of Innovative Learning. Crossing east leg of intersection at traffic signal.	3	New Tacoma	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 30,100
<b>TOTAL</b>						<b>\$ 147,020</b>

Year 4 – SCHOOL WARNING BEACONS

DRAFT

Added 5% for each year following 2009 for inflation

Crossing	Description	Council District	NC	List	Comments	Cost Estimate
Crossing East 54 <sup>th</sup> Street at I Street	Sheridan Elem. Crossing west leg of intersection.	4	Eastside	2009 Adult Crosswalk Locations	Arterial crossing. Non-signalized crossing. Includes overhead crosswalk sign, sidewalk ramps, and advanced beacons. Narrow Street. No island or bulb-outs.	\$ 93,770
Crossing South 56 <sup>th</sup> Street J Street	Mann Elem. Crossing west leg of intersection at traffic signal.	4	South End	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only. (From Yr 2)	\$ 30,100
Crossing Alaska Street at South 37 <sup>th</sup> Street	Jenny Reed Elem. Crossing south leg of intersection	4	South End	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 30,100
					<b>TOTAL</b>	<b>\$ 153,970</b>

Crossing	Description	Council District	NC	List	Comments	Cost Estimate
Crossing South 84th Street at I Street	Baker Middle School. Crossing west leg of intersection.	5	South End	2009 Adult Crosswalk Locations	Arterial crossing. Existing Overhead Beacon includes advanced beacons only.	\$ 30,100
					<b>TOTAL</b>	<b>\$ 30,100</b>

Note: This would construct a pedestrian school flashing crosswalk at all arterial school crossing locations currently identified by both the Tacoma School District and City of Tacoma Public Works as part of the current walking route system. All ADA improvements will be constructed as part of each project (as needed).

Year 4 – RESIDENTIAL STREET RESTORATION PROGRAM

DRAFT

Added 5% for each year following 2009 for inflation

Project	Description	Council District	NC	List	Comments	Cost Estimate
N 48th St - N Huson St to N Ferdinand St	Residential New Construction	1	West End		Blocks: 1	\$ 392,000
N 48th St - N Baltimore St to N Shirley St	Residential New Construction	1	West End		Blocks: 2	\$ 784,000
N 48th St - N Shirley St to Winnifred	Residential New Construction	1	West End		Blocks: 1	\$ 392,000
N 48th St - Pearl St to N Highland St	Residential New Construction	1	West End		Blocks: 1	\$ 392,000
N Highland St - N 46th St to N 47th St	Residential New Construction	1	West End		Blocks: 1	\$ 392,000
N Highland St - N 45th St to N 46th St	Residential New Construction	1	West End		Blocks: 1	\$ 392,000
N Highland St - N 44th St to D E N	Residential New Construction	1	West End		Blocks: 1	\$ 392,000
N Orchard St - N 46th St to N 47th St	Residential New Construction	1	West End		Blocks: 1	\$ 392,000
N 47th St - N Orchard St to N Baltimore St	Residential New Construction	1	West End		Blocks: 1	\$ 392,000
					<b>TOTAL</b>	<b>\$ 3,920,000</b>

Project	Description	Council District	NC	List	Comments	Cost Estimate
NE Harborview Dr - NE 51st St to S E S	Residential New Construction	2	Northeast Tacoma		Blocks: 3	\$ 1,176,000
					<b>TOTAL</b>	<b>\$ 1,176,000</b>

Project	Description	Council District	NC	List	Comments	Cost Estimate
S Alder St - S 12th to S 11th	Residential New Construction	3	Central		Blocks: 1	\$ 392,000
S Alder St - S 11th to S 10th	Residential New Construction	3	Central		Blocks: 1	\$ 392,000
S Verde St - S 8th to S 9th	Residential New Construction	3	Central		Blocks: 1	\$ 392,000
S Adams St - Center St to S 31st St	Residential New Construction	3	South Tacoma		Blocks: 1	\$ 392,000
S Fife St - S 17th to S 15th	Residential New Construction	3	Central		Blocks: 2	\$ 784,000
					<b>TOTAL</b>	<b>\$ 2,352,000</b>

**Added 5% for each year following 2009 for inflation**

Project	Description	Council District	NC	List	Comments	Cost Estimate
E F St - E 45th St to E 46th St	Residential New Construction	4	Eastside		Blocks: 1	\$ 392,000
E F St - E 35th St to E Harrison St	Residential New Construction	4	Eastside		Blocks: 1	\$ 392,000
S 41st St - S Alaska St to S Asotin St	Residential New Construction	4	South End		Blocks: 1	\$ 392,000
S 41st St - S Asotin St to S Cushman St	Residential New Construction	4	South End		Blocks: 1	\$ 392,000
					<b>TOTAL</b>	<b>\$ 1,568,000</b>

Project	Description	Council District	NC	List	Comments	Cost Estimate
E 68th St - A St to E B St	Residential New Construction	5	Eastside		Blocks: 1	\$ 392,000
S 62nd St - Pacific Av to Bell St	Residential New Construction	5	Eastside		Blocks: 1	\$ 392,000
S 73rd St - S Mason St to S Cheyenne St	Residential New Construction	5	South Tacoma		Blocks: 3	\$ 1,176,000
S Cheyenne St - S 73rd St to Burkhart Dr	Residential New Construction	5	South Tacoma		Blocks: 1	\$ 392,000
					<b>TOTAL</b>	<b>\$ 2,352,000</b>

**ASSUMPTIONS:**

- All costs DO NOT include storm, detention, water quality, sanitary, water or other utilities.
- All projects include ADA ramps, etc, as required.
- Costs assume no right of way monies needed.
- All projects have a 10% force account (contingency).
- All projects have assumed 25% engineering and 15% construction administration/inspection.

**YEAR 5 – ARTERIAL STREET IMPROVEMENT PROJECTS**

DRAFT

**Added 5% for each year following 2009 for inflation**

Project	Description	Council District	NC	List	Comments	Cost Estimate
Norpoint Way – East City Limits to Nassau	Arterial Street Improvement	2	Northeast	Bike Map	44' wide road (10' turn lane, 12' lanes, 5' bike lanes – and 5' SW). Three mid block ped crossings with beacons.	\$ 15,060,122
S 38 St - Steele St to S Tacoma Way	Arterial Rehabilitation	3	South Tacoma		Total SY 25253	\$ 3,038,766
S G St - I-5 to S 38th St	Arterial Rehabilitation	4	South End		Total SY 15125	\$ 1,823,259
					<b>TOTAL</b>	<b>\$ 19,922,147</b>

**ASSUMPTIONS:**

- All costs DO NOT include storm, detention, water quality, sanitary, water or other utilities.
- All projects include ADA ramps, etc, as required.
- Costs assume no right of way monies needed.
- All projects have a 10% force account (contingency).
- All projects have assumed 25% engineering and 15 construction administration/inspection.
- Prices are based on previous estimates at \$30/SF

Year 5 – SCHOOL WARNING BEACONS

DRAFT

Added 5% for each year following 2009 for inflation

Crossing	Description	Council District	NC	List	Comments	Cost Estimate
Crossing North 46 <sup>th</sup> Street at Pearl Street	Pt. Defiance Elem. Crossing west leg of intersection at traffic signal.	1	West End	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 31,603
<b>TOTAL</b>						<b>\$ 31,603</b>

Crossing	Description	Council District	NC	List	Comments	Cost Estimate
Crossing Nassau Avenue at 44 <sup>th</sup> Street NE	Crescent Heights Elem. Crossing south leg of intersection.	2	Northeast Tacoma	2009 Adult Crosswalk Locations	Arterial crossing. Non-signalized crossing. Includes overhead crosswalk sign, sidewalk ramps, and advanced beacons. Include two bulb-outs to improve crossing safety.	\$ 159,233
Crossing Browns Point Blvd at East 51 <sup>st</sup> Street	Browns Point Elem. Crossing north leg of intersection.	2	Northeast Tacoma	2009 Adult Crosswalk Locations	Arterial crossing. Non-signalized crossing. Includes overhead crosswalk sign, sidewalk ramps, and advanced beacons. Stop sign controlled intersection with left-turn lanes. Not wide enough for island or bulb-outs.	\$ 98,456
Crossing Browns Point Blvd at East 51 <sup>st</sup> Street	Browns Point Elem. Crossing south leg of intersection.	2	Northeast Tacoma	2009 Adult Crosswalk Locations	Arterial crossing. Non-signalized crossing. Includes overhead crosswalk sign, sidewalk ramps, and advanced beacons. Stop sign controlled intersection with left-turn lanes. Not wide enough for island or bulb-outs.	\$ 98,456
<b>TOTAL</b>						<b>\$ 356,145</b>

Year 5 – SCHOOL WARNING BEACONS

DRAFT

Added 5% for each year following 2009 for inflation

Crossing	Description	Council District	NC	List	Comments	Cost Estimate
Crossing South 12 <sup>th</sup> Street at Moorlands Street	DeLong Elem. Crossing east leg of intersection at traffic signal.	3	Central	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 31,603
Crossing South 19 <sup>th</sup> Street at Wilkeson	Stanley Elem. Crossing south leg of intersection at traffic signal.	3	Central	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 31,603
Crossing Tyler Street at South 56 <sup>th</sup> Street	Gray Middle School. Crossing south leg of intersection at traffic signal.	3	South Tacoma	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 31,603
<b>TOTAL</b>						<b>\$ 94,809</b>

Crossing	Description	Council District	NC	List	Comments	Cost Estimate
Crossing East K Street at Division Avenue	Gault Middle School. Crossing east leg of intersection.	4	Eastside	2009 Adult Crosswalk Locations	Arterial crossing. Non-signalized crossing. Includes overhead crosswalk sign, sidewalk ramps, and advanced beacons. Narrow Street. No island or bulb-outs.	\$ 98,456
<b>TOTAL</b>						<b>\$ 98,456</b>

Crossing	Description	Council District	NC	List	Comments	Cost Estimate
Crossing South 74th Street at Mullen Street	Mt Tahoma HS. Crossing east leg of intersection at traffic signal.	5	South Tacoma	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 31,603
Crossing South 74th Street at Mullen Street	Mt Tahoma HS. Crossing west leg of intersection at traffic signal.	5	South Tacoma	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 31,603
Crossing Yakima Avenue at South 84 <sup>th</sup> Street	Fern Hill Elem. Crossing north leg of intersection at traffic signal.	5	South End	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 31,603
<b>TOTAL</b>						<b>\$ 94,809</b>

Note: This would construct a pedestrian school flashing crosswalk at all arterial school crossing locations currently identified by both the Tacoma School District and City of Tacoma Public Works as part of the current walking route system. All ADA improvements will be constructed as part of each project (as needed).

Year 5 – RESIDENTIAL STREET RESTORATION PROGRAM

DRAFT

Added 5% for each year following 2009 for inflation

Project	Description	Council District	NC	List	Comments	Cost Estimate
N Winnifred St - N 44th St to N 45th St	Residential New Construction	1	West End		Blocks: 1	\$ 411,000
N 43rd St - N Baltimore St to N Villard St	Residential New Construction	1	West End		Blocks: 1	\$ 411,000
N 44th St - N Villard St to N Orchard St	Residential New Construction	1	West End		Blocks: 1	\$ 411,000
N 27th St - Huson St to Orchard St	Residential New Construction	1	West End		Blocks: 1	\$ 411,000
					<b>TOTAL</b>	<b>\$ 1,644,000</b>

Project	Description	Council District	NC	List	Comments	Cost Estimate
21st St NE - 64th Ave NE to 65th Ave NE	Residential New Construction	2	Northeast		Blocks: 1	\$ 411,000
26th St NE - 62nd Ave NE to 64th Ave NE	Residential New Construction	2	Northeast		Blocks: 1	\$ 411,000
42nd St NE - 49th Ave NE to St end W	Residential New Construction	2	Northeast		Blocks: 1	\$ 411,000
					<b>TOTAL</b>	<b>\$ 1,233,000</b>

Project	Description	Council District	NC	List	Comments	Cost Estimate
S Durango St - Center St to Wright Av	Residential New Construction	3	South Tacoma		Blocks: 1	\$ 411,000
S Durango St - Wright Av to S 34th St	Residential New Construction	3	South Tacoma		Blocks: 1	\$ 411,000
S Hosmer - S 21st to S 25th	Residential New Construction	3	Central		Blocks: 4	\$ 1,644,000
					<b>TOTAL</b>	<b>\$ 2,466,000</b>

**Added 5% for each year following 2009 for inflation**

Project	Description	Council District	NC	List	Comments	Cost Estimate
S Asotin St - S 39th St to S 40th St	Residential New Construction	4	South End		Blocks: 1	\$ 411,000
S Asotin St - S 40th St to S 41st St	Residential New Construction	4	South End		Blocks: 1	\$ 411,000
E 47th St - E I to E K St	Residential New Construction	4	Eastside		Blocks: 2	\$ 822,000
					<b>TOTAL</b>	<b>\$ 1,644,000</b>

Project	Description	Council District	NC	List	Comments	Cost Estimate
S Fife St - S 76th St to S 78th St	Residential New Construction	5	South Tacoma		Blocks: 2 - Citizen Request	\$ 822,000
S Prospect - S.64th St to S 66th St	Residential New Construction	5	South Tacoma		Blocks: 2 - Citizen Request	\$ 822,000
E B St - E 70th St to E 72n St	Residential New Construction	5	South End		Blocks: 2 - Citizen Request	\$ 822,000
					<b>TOTAL</b>	<b>\$ 2,466,000</b>

**ASSUMPTIONS:**

- All costs DO NOT include storm, detention, water quality, sanitary, water or other utilities.
- All projects include ADA ramps, etc, as required.
- Costs assume no right of way monies needed.
- All projects have a 10% force account (contingency).
- All projects have assumed 25% engineering and 15% construction administration/inspection.

**YEAR 6 – ARTERIAL STREET IMPROVEMENT PROJECTS**

DRAFT

**Added 5% for each year following 2009 for inflation**

Project	Description	Council District	NC	List	Comments	Cost Estimate
N M St - N Division to N Steele St	Arterial Rehabilitation	2	North End		Total SY 13008	\$ 1,659,166
S Center St - S Lawrence St to S Tyler St	Arterial Rehabilitation	3	Central & South Tacoma	Bike Map	Total SY 29607	\$ 3,828,845
Tacoma Mall Blvd - Steele St to S 48th St	Arterial Rehabilitation	3	South Tacoma		S 48th St Intersection & 150' south on south leg done in Year 2. This would be the street approaching the intersection. Consider concrete due to proximity to bus facility. Total SY 24005	\$ 3,458,723
South Tacoma Way - S 38 St to S 80 St	Arterial Rehabilitation	3 & 5	South Tacoma	Top 10 & Bike Map	Total SY 87400	\$ 10,976,021
					<b>TOTAL</b>	<b>\$ 19,922,755</b>

**ASSUMPTIONS:**

- All costs DO NOT include storm, detention, water quality, sanitary, water or other utilities.
- All projects include ADA ramps, etc, as required.
- Costs assume no right of way monies needed.
- All projects have a 10% force account (contingency).
- All projects have assumed 25% engineering and 15 construction administration/inspection.
- Prices are based on previous estimates at \$30/SF

Year 6 – SCHOOL WARNING BEACONS

DRAFT

Added 5% for each year following 2009 for inflation

Crossing	Description	Council District	NC	List	Comments	Cost Estimate
Crossing North 37 <sup>th</sup> Street at Pearl Street	Truman Middle School. Crossing west leg of intersection at traffic signal.	1	West End	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 33,184
					<b>TOTAL</b>	<b>\$ 33,184</b>

Crossing	Description	Council District	NC	List	Comments	Cost Estimate
Crossing East 51 <sup>st</sup> Street at Browns Point Blvd	Browns Point Elem. Crossing west leg of intersection.	2	Northeast Tacoma	2009 Adult Crosswalk Locations	Arterial crossing. Non-signalized crossing. Includes overhead crosswalk sign, sidewalk ramps, and advanced beacons. Stop sign controlled intersection with left-turn lanes. Not wide enough for island or bulb-outs.	\$ 103,380
Crossing North 9 <sup>th</sup> Street at Tacoma Avenue	Annie Wright Elem. Crossing north leg of intersection.	2	North End Tacoma	2009 Adult Crosswalk Locations	Arterial crossing. Non-signalized crossing. Includes overhead crosswalk sign, sidewalk ramps, and advanced beacons. Include island to improve crossing safety.	\$ 130,000
Crossing Nassau Avenue at 44 <sup>th</sup> Street NE	Crescent Heights Elem. Crossing north leg of intersection.	2	Northeast Tacoma	2009 Adult Crosswalk Locations	Arterial crossing. Non-signalized crossing. Includes overhead crosswalk sign, sidewalk ramps, and advanced beacons. Include island to improve crossing safety.	\$ 130,000
					<b>TOTAL</b>	<b>\$ 363,380</b>

Added 5% for each year following 2009 for inflation

Crossing	Description	Council District	NC	List	Comments	Cost Estimate
Crossing MLK at South 21 <sup>st</sup> Street	McCarver Elem. Crossing south leg of intersection.	3	Central	2009 Adult Crosswalk Locations	Arterial crossing. Non-signalized crossing. Includes overhead crosswalk sign, sidewalk ramps, and advanced beacons. Include island to improve crossing safety.	\$ 130,000
Crossing South Tyler Street between Mason & SR16	Foss HS. Mid-block crossing.	3	Central	2009 Adult Crosswalk Locations	Arterial crossing. Non-signalized crossing. Includes overhead crosswalk sign, sidewalk ramps, and advanced beacons. Existing island.	\$ 103,380
<b>TOTAL</b>						<b>\$ 233,380</b>

Crossing	Description	Council District	NC	List	Comments	Cost Estimate
Crossing G Street at South 37 <sup>th</sup> Street	Lincoln HS. Crossing north leg of intersection at traffic signal.	4	South End	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 33,184
Crossing Alaska Street at South 36 <sup>th</sup> Street	Jenny Reed Elem. Crossing south leg of intersection	4	South End	2009 Adult Crosswalk Locations	Arterial crossing. Non-signalized crossing. Includes overhead crosswalk sign, sidewalk ramps, and advanced beacons. Narrow Street. No island or bulb-outs.	\$ 103,380
<b>TOTAL</b>						<b>\$ 136,564</b>

Crossing	Description	Council District	NC	List	Comments	Cost Estimate
Crossing Yakima Avenue at South 84 <sup>th</sup> Street	Fern Hill Elem. Crossing south leg of intersection at traffic signal.	5	South End	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 33,184
Crossing Sheridan Avenue at South 72nd Street	Birney Elem. Crossing south leg of intersection at traffic signal.	5	South End	2009 Adult Crosswalk Locations	Arterial crossing. Crossing at existing traffic signal includes advanced beacons only.	\$ 33,184
<b>TOTAL</b>						<b>\$ 66,368</b>

Note: This would construct a pedestrian school flashing crosswalk at all arterial school crossing locations currently identified by both the Tacoma School District and City of Tacoma Public Works as part of the current walking route system. All ADA improvements will be constructed as part of each project (as needed).

**Year 6 – RESIDENTIAL STREET RESTORATION PROGRAM**

DRAFT

**Added 5% for each year following 2009 for inflation**

Project	Description	Council District	NC	List	Comments	Cost Estimate
N Baltimore St - N 42nd St to N 43rd St	Residential New Construction	1	West End		Blocks: 1	\$ 431,400
N Baltimore St - N 43rd St to N 44th St	Residential New Construction	1	West End		Blocks: 1	\$ 431,400
N Baltimore St - N 44th St to N 45th St	Residential New Construction	1	West End		Blocks: 1	\$ 431,400
N Baltimore St - N 45th St to N 46th St	Residential New Construction	1	West End		Blocks: 1	\$ 431,400
N Huson St - N 46th St to N 47th St	Residential New Construction	1	West End		Blocks: 1	\$ 431,400
N Orchard St - N 49th St to 150' South	Residential New Construction	1	West End		Blocks: 1	\$ 431,400
					<b>TOTAL</b>	<b>\$ 2,588,400</b>

Project	Description	Council District	NC	List	Comments	Cost Estimate
25th St NE - 64th Ave NE to 65th Ave NE	Residential New Construction	2	Northeast		Blocks: 1	\$ 431,400
25th St NE - 65th Ave NE to 66th Ave NE	Residential New Construction	2	Northeast		Blocks: 1	\$ 431,400
					<b>TOTAL</b>	<b>\$ 862,800</b>

Project	Description	Council District	NC	List	Comments	Cost Estimate
S Madison St - Center St to S 31st St	Residential New Construction	3	South Tacoma		Blocks: 1	\$ 431,400
S Madison St - S 31st St to S 30th St	Residential New Construction	3	South Tacoma		Blocks: 1	\$ 431,400
					<b>TOTAL</b>	<b>\$ 862,800</b>

Project	Description	Council District	NC	List	Comments	Cost Estimate
S Wilkeson St - S 38th St to S 39th St	Residential New Construction	4	South End		Blocks: 1	\$ 431,400
E I St - E 44th St to E 45th St	Residential New Construction	4	South End		Blocks: 1	\$ 431,400
E 44th St - E I St to E J St	Residential New Construction	4	South End		Blocks: 1	\$ 431,400
E 44th St - E J St to E K St	Residential New Construction	4	South End		Blocks: 1	\$ 431,400
					<b>TOTAL</b>	<b>\$ 1,725,600</b>

**Year 6 – RESIDENTIAL STREET RESTORATION PROGRAM**

**Added 5% for each year following 2009 for inflation**

Project	Description	Council District	NC	List	Comments	Cost Estimate
S G St - S 64th St to S 65th St	Residential New Construction	5	South End		Blocks: 1	\$ 431,400
E Sherwood - 82nd St to 84th St	Residential New Construction	5	South End		Blocks: 2	\$ 862,800
S 80th St - Sheridan St to Cushman St	Residential New Construction	5	South End		Blocks: 1 - Citizen Request	\$ 431,400
S 83rd St - Park Av to 1/2 blk West	Residential New Construction	5	South End		Blocks: 0.5	\$ 215,700
S 88th St - S I St to S J St	Residential New Construction	5	South End		Blocks: 1	\$ 431,400
S 88th St - Park Av to S G St	Residential New Construction	5	South End		Blocks: 1	\$ 431,400
S 88th St - Tacoma Av to S G St	Residential New Construction	5	South End		Blocks: 1	\$ 431,400
					<b>TOTAL</b>	<b>\$ 3,235,500</b>

**ASSUMPTIONS:**

- All costs DO NOT include storm, detention, water quality, sanitary, water or other utilities.
- All projects include ADA ramps, etc, as required.
- Costs assume no right of way monies needed.
- All projects have a 10% force account (contingency).
- All projects have assumed 25% engineering and 15% construction administration/inspection.

**ADDITIONAL ARTERIAL STREET IMPROVEMENT PROJECTS**

DRAFT

**Need to add 5% for each year following 2009 for inflation**

Project	Description	Council District	NC	Comments	Cost Estimate
N 30th St - N Proctor St to N Orchard St	Arterial New Construction	1	North End	Oilmat street needs permanent section installed. Total SY 21632	\$ 6,400,000
6th Av - Jackson Av to Walters Rd	Arterial New Construction	1	West End	Oilmat street needs full structural section (Includes Walters Rd; 6 - 19). Total SY 44200	\$ 13,200,000
N Alder St - N 11th St to N 21st St	Arterial Rehabilitation	2	North End	Total SY 9267	\$ 1,000,000
N Orchard St - N 21st St to N 46th St	Arterial New Construction	1	West End	Oilmat street needs full structural section. Total SY 45456	\$ 13,400,000
S 19th St - S Jackson Av to S Wilton Rd	Arterial New Construction	1	West End	Oilmat street needs full structural section. Total SY 49019	\$ 14,500,000
S 19th St - Orchard St to S Mildred St	Arterial Rehabilitation	1	West End	Total SY 33513	\$ 3,400,000
N 51st St - Pearl St to N Vassault St	Arterial New Construction	1	West End	Oilmat street needs full structural section. Total SY 5272	\$ 1,500,000
S Jackson Av - SR 16 to S 19th St	Arterial Rehabilitation	1	West End	Total SY 32396	\$ 3,200,000
Port of Tacoma Rd - SR 509 to E 11 St	Arterial Rehabilitation	2	New Tacoma	Total SY 61712	\$ 6,100,000
Union Av - N 21st St to N 30th St	Arterial New Construction	2	North End	Oilmat street needs new section. Total SY 36133	\$ 10,800,000
Browns Pt Blvd NE - 49th St NE to 33rd St NE	Arterial New Construction	2	Northeast Tacoma	Oilmat street needs permanent section installed. Total SY 13387	\$ 4,000,000
33rd St NE - Nassau Av NE to Browns Pt Blvd NE	Arterial New Construction	2	Northeast Tacoma	Oilmat street needs new section. 28th St NE should also be included in this project as it connects to McMurray Rd, SY is not included in this line item. Total SY 11104	\$ 3,300,000
S Warner St - S 38th St to S 47th St	Arterial Rehabilitation	3	South Tacoma	Total SY 17167	\$ 1,760,000
S 47th/48th St - S Tacoma Wy to Tacoma Mall Blvd	Arterial Rehabilitation	3	South Tacoma	Total SY 27861	\$ 2,860,000
S Sprague Av - S Tacoma Wy to S Steele St	Arterial New Construction	3	South Tacoma	Oilmat street needs full structural section. Total SY 22144	\$ 6,600,000
		<b>TOTAL</b>		<b>\$</b>	<b>92,020,000</b>

**Need to add 5% for each year following 2009 for inflation**

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Project	Description	Council District		Comments	Cost Estimate
E Fairbanks St - E Portland Av to E Roosevelt Av	Arterial New Construction	4	Eastside	Oilmat street needs full structural section with subgrade engineering. Total SY 12187	\$ 3,600,000
E Roosevelt Av - E Wright Av to E George St	Arterial New Construction	4	Eastside	Oilmat street needs full structural section with subgrade engineering. Total SY 22763	\$ 6,700,000
Alaska St – S 56 <sup>th</sup> to S 72 <sup>nd</sup> St	Arterial street improvement	5	South End	Partially grant funded. Four mid-block ped crossings with beacons	\$ 1,940,000
S 72nd – I-5 to McKinley	Grind and overlay	5	South End & Eastside	McKinley to Pacific has pothole funds. Six mid block ped crossings with beacons.	\$ 5,300,000
S Sheridan Av - S 56th St to S 72nd St	Arterial New Construction	5	South End	Oilmat street needs full structural section with possible subgrade engineering. Total SY 28272	\$ 8,400,000
N Stevens St - 6th Av to N 37th St	Arterial New Construction	1 & 2	North End	Concrete roadway needs to be removed and full structural section engineered. Could perform slab replacement and diamond grind. Total SY 51877	\$ 15,400,000
N Orchard St - 6th Av to N 21st St	Arterial New Construction	1 & 2	West End	Oilmat street needs permanent section installed. Total SY 23269	\$ 6,900,000
Orchard St - SR 16 Off Ramp to 6th Av	Arterial New Construction	1 & 3	West End	Oilmat street needs permanent section installed. Total SY 17979	\$ 5,400,000
S 9th St - A St to N Tacoma Av	Arterial New Construction	2 & 3	New Tacoma	Oilmat street needs full structural section. Total SY 11693	\$ 3,500,000
E 64th St - Pacific Av to East City Limits	Arterial New Construction	4 & 5	Eastside	Oilmat street needs permanent section installed. Total SY 51621	\$ 15,400,000
		<b>TOTAL</b>		<b>\$</b>	<b>72,540,000</b>

- For the Alaska Street Project, the costs are what is not currently covered by a Federal or State grant.

**ADDITIONAL RESIDENTIAL STREET IMPROVEMENT PROJECTS**

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**Need to add 5% for each year following 2009 for inflation**

<b>Project</b>	<b>Description</b>	<b>Council District</b>		<b>Comments</b>	<b>Cost Estimate</b>
N 23rd St - Orchard St to Highland St	Residential New Construction	1	West End	Blocks: 6 - Citizen Request	\$ 2,028,000
N Highland St - N 12th St to N 18th St	Residential New Construction	1	West End	Blocks: 6 - Citizen Request	\$ 2,028,000

N Villard St - N 45th St to N 46th St	Residential New Construction	1	West End	Blocks: 1	\$ 338,000
S 18th St - Walters Rd to D.E.W.	Residential New Construction	1	West End	Blocks: 1 - Citizen Request	\$ 338,000
N 44th St - N Highland St to N Winnifred	Residential New Construction	1	West End	Blocks: 1	\$ 338,000
		<b>TOTAL</b>		<b>\$</b>	<b>5,070,000</b>

**SUMMARY BY COUNCIL DISTRICT FOR RESIDENTIAL STREET RESTORATION PROGRAM\***

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<b>ARTERIAL STREET IMPROVEMENTS PROJECTS</b>	<b>Council District 1</b>	<b>Council District 2</b>	<b>Council District 3</b>	<b>Council District 4</b>	<b>Council District 5</b>	<b>TOTAL</b>
Year 1	\$ -	\$ 8,370,000	\$ 4,428,114	\$ 3,600,000	\$ 3,493,114	\$ 19,891,228
Year 2	\$ 3,057,600	\$ 4,260,000	\$ -	\$ 6,377,490	\$ -	\$ 13,695,090
Year 3	\$ -	\$ -	\$ 4,714,500	\$ 15,435,000	\$ -	\$ 20,149,500
Year 4	\$ 7,061,513	\$ 1,389,150	\$ 4,630,500	\$ 4,074,840	\$ 1,018,710	\$ 18,174,713
Year 5	\$ -	\$ 15,060,122	\$ 3,038,766	\$ 1,823,259	\$ -	\$ 19,922,147
Year 6	\$ -	\$ 1,659,166	\$ 12,775,578	\$ -	\$ 5,488,011	\$ 19,922,755
<b>TOTAL</b>	<b>\$ 10,119,113</b>	<b>\$ 30,738,438</b>	<b>\$ 29,587,458</b>	<b>\$ 31,310,589</b>	<b>\$ 9,999,835</b>	<b>\$ 111,755,433</b>

<b>SCHOOL WARNING BEACONS</b>	<b>Council District 1</b>	<b>Council District 2</b>	<b>Council District 3</b>	<b>Council District 4</b>	<b>Council District 5</b>	<b>TOTAL</b>
Year 1	\$ 107,000	\$ 183,000	\$ 52,000	\$ 26,000	\$ 52,000	\$ 420,000
Year 2	\$ 112,350	\$ 187,950	\$ 109,200	\$ 191,100	\$ 600,600	\$ 1,201,200
Year 3	\$ 89,303	\$ 143,325	\$ 85,995	\$ 251,371	\$ 340,674	\$ 910,668
Year 4	\$ 30,100	\$ 93,770	\$ 147,020	\$ 153,970	\$ 30,100	\$ 454,960
Year 5	\$ 31,603	\$ 356,145	\$ 94,809	\$ 98,456	\$ 94,809	\$ 675,822
Year 6	\$ 33,184	\$ 363,380	\$ 233,380	\$ 136,564	\$ 66,368	\$ 832,876
<b>TOTAL</b>	<b>\$ 403,540</b>	<b>\$ 1,327,570</b>	<b>\$ 722,404</b>	<b>\$ 857,461</b>	<b>\$ 1,184,551</b>	<b>\$ 4,495,526</b>

<b>RESIDENTIAL STREET RESTORATION PROGRAM</b>	<b>Council District 1</b>	<b>Council District 2</b>	<b>Council District 3</b>	<b>Council District 4</b>	<b>Council District 5</b>	<b>TOTAL</b>
Year 1	\$ 2,028,000	\$ 2,366,000	\$ 1,529,450	\$ 1,014,000	\$ 2,704,000	\$ 9,641,450
Year 2	\$ 3,194,100	\$ 1,064,700	\$ 2,129,400	\$ 1,064,700	\$ 4,258,800	\$ 11,711,700
Year 3	\$ 2,608,515	\$ 2,608,515	\$ 745,290	\$ 745,290	\$ 2,235,870	\$ 8,943,480
Year 4	\$ 3,920,000	\$ 1,176,000	\$ 2,352,000	\$ 1,568,000	\$ 2,352,000	\$ 11,368,000
Year 5	\$ 1,644,000	\$ 1,233,000	\$ 2,466,000	\$ 1,644,000	\$ 2,466,000	\$ 9,453,000
Year 6	\$ 2,588,400	\$ 862,800	\$ 862,800	\$ 1,725,600	\$ 3,235,500	\$ 9,275,100
<b>TOTAL</b>	<b>\$ 15,983,015</b>	<b>\$ 9,311,015</b>	<b>\$ 10,084,940</b>	<b>\$ 7,761,590</b>	<b>\$ 17,252,170</b>	<b>\$ 60,392,730</b>

<b>OVERALL TOTAL</b>	<b>\$ 26,505,668</b>	<b>\$ 41,377,023</b>	<b>\$ 40,394,802</b>	<b>\$ 39,929,640</b>	<b>\$ 28,436,556</b>	<b>\$ 176,643,689</b>
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\* Added 5% for each year following 2009 for inflation