

PS&T COMMITTEE AGENDA

June 1, 2017 - North Conference Room

21630 11th Avenue South – Des Moines 98198

5:30P – 6:50PM

1. Approval of the minutes from the meetings of April 6, and special meeting of May 18, 2017.
2. Police Deployment of Personnel Update (Informational Item – 15 min)
Staff will provide an update on the Department's organizational structure and areas of responsibilities.
3. Draft Transportation Improvement Plan (TIP) – (Discussion Item - 15 min)
Staff will provide a review of the Draft 2018-2017 Transportation Improvement Plan (TIP), proposed changes and seek Committee recommendations and concurrence to finalize the TIP in July.
4. 2018-2023 CIP Plan (Transportation Projects) – (Discussion Item – 20 min)
Staff will provide a review of the Draft 2018-2023 Capital Improvement Plan proposed changes and see Committee recommendations and concurrence to finalize in July.
5. Sound Transit Update - (Discussion Item – 15 min)
Staff will provide an update on the design elements on the FWLE project.
6. King County Regional Transportation System Initiative (RTSI) – (Informational Item – 20 min)
Staff will provide an update on the newly formed RTSI effort and how this may impact the City. This initiative was started by King County in partnership with Sound Cities Association and the Puget Sound Regional Council.

DRAFT Des Moines City Council PS&T Committee Minutes – 4/6/2017

Meeting called to order: 5:53 PM on April 6, 2017, in North Conference Room @ 21630 11th Avenue S, Des Moines WA 98198.

Council Members

Luisa Bangs – Chair
Dave Kaplan (Excused)
Vic Pennington

Other City Staff

Dan Brewer – Chief Operations Officer
Brandon Carver – Public Works Director
Tim George – City Attorney
Matt Hutchins – Asst City Attorney
Bob Bohls – PD Commander
Peggy Volin – Administrative Asst II

AGENDA:

1. Approval of the minutes from the meeting of March 2, 2017
2. Red Light Enforcement Update
3. SR-509 Update
4. Sound Transit Update
5. Pacific Ridge Plan

MEETING:

1. Approval of the minutes from the meeting March 2, 2017: unanimously approved.
2. Red Light Enforcement Update: PD Commander Bob Bohls updated the Committee by summarizing the current violations captured at each location that has red light photo enforcement. Overall violations are decreasing each month, but it is still too early to tell how the violations will trend over time without a few more months of data. Staff will continue to update the Committee at a later date following additional data points.
3. SR-509 Update: Chief Operations Officer (COO) Dan Brewer informed the Committee that as part of the SR-509 Project, the Legislature is requiring 60 million dollars of the project funding come from the local agencies. Local agencies include cities, King County and the Port of Seattle relative to the SR-509 portion of the project. The Legislature is requesting that the local “partners” have at least a plan for the funding by the end of 2017. There will be follow-up meetings by the Project Executive Team and Steering Committee in the next months related to the potential options. There is no current funding identified in the Des Moines 6-year Capital Improvement Plan, nor would this be currently recommended by the PS&T Committee.
4. Sound Transit Update: COO Dan Brewer briefed the Committee that Sound Transit will soon be obtaining Board approval for the property acquisition phase which is scheduled to start in June. Property owners will likely be notified in the next couple of weeks of the

planned process. Sound Transit will be briefing the full Council with an update at the April 13 Council meeting.

5. Pacific Ridge Plan: City Attorney Tim George explained the Pacific Ridge Strategic Operations Plan will involve several Departments of the City in a collaborative effort to make improvements with respect to crime, quality of life and safety in that area and a presentation to the full Council will be given at the Council meeting that evening.

Adjourned at 6:36 pm

Minutes respectfully submitted by: Peggy Volin

DRAFT Des Moines City Council PS&T Committee Minutes – 5/18/2017

Meeting called to order: 3:03 PM on May 18, 2017, in North Conference Room @ 21630 11th Avenue S, Des Moines WA 98198.

Council Members

Luisa Bangs – Chair
Dave Kaplan
Vic Pennington - Absent

Other City Staff

Dan Brewer – Chief Operations Officer
Brandon Carver – Public Works Director
Grant Fredricks - Consultant
Matt Hutchins – Asst City Attorney
Peggy Volin – Administrative Asst II

AGENDA:

1. Sound Transit Update

MEETING:

1. Sound Transit Update: Chief Operations Officer (COO) Dan Brewer and consultant Grant Fredricks walked the Committee through the City's Policy Paper for Landscape Treatment of Guideway through Pacific Ridge. Grant explained that the City entered into a Service Agreement with Sound Transit, which was approved at the Council meeting on May 11, 2017, which will provide for 1400 hours of reimbursed City staff and consultant time. Grant then went on to explain the need to make changes to the Landscape Code in the DMMC in regards to Essential Public Facilities and Non-conforming Buildings and Uses to ensure affected private property owners are not disadvantaged with Sound Transit's Right-of-Way acquisitions. He showed the Committee the proposed changes to the landscape buffers via printouts of the route on maps as to existing landscape and what ST is proposing. Grant also outlined one of the next steps as having a series of open public meetings intended as public outreach to get citizen input before finalizing the ordinance prior to the public hearing. Staff will continue to update the Committee at the monthly meetings.

Adjourned at 4:30 pm

Minutes respectfully submitted by: Peggy Volin

City of Des Moines

Memo

To: City of Des Moines Public Safety & Transportation Committee
Brandon Carver, Public Works Director; Daniel J. Brewer, COO

From: Andrew Merges, Transportation and Engineering Services Manager

Date: 5/17/2017

Re: Draft 2018-2037 Transportation Improvement Plan

Purpose

The purpose of this memorandum is to inform the City's Public Safety & Transportation Committee (PS&T) of the Draft 2018-2037 Transportation Improvement Plan (TIP) and solicit for comments prior to the June 1st, 2017 PS&T Committee meeting.

Staff met with Councilmember Dave Kaplan on 5/11/17 to review Draft edits to the TIP which have been incorporated within the attached document.

Background

The TIP is a long range, 20-year, transportation plan that identifies motorized and non-motorized needs that are not financially constrained. The plan is derived from the City's Comprehensive Transportation Plan (CTP) and is a list of prioritized projects based primarily on:

- CTP (Safety, capacity, non-motorized, and transit needs).
- Analysis of existing system (Traffic engineering studies, citizen input, etc.).
- Interagency Coordination (Franchise Utility, SeaTac, Sound Transit, etc.).

The TIP is utilized to:

- Fulfill reporting requirements by State Law (RCW 35.77.010) by July 31st.
- Direct the development of the 6-year Capital Improvement Plan (CIP).
- Provide coordination between franchise utilities and neighboring agencies.

- Fulfill reporting to the Washington State Department of Transportation (WSDOT) and the Puget Sound Regional Council (PSRC) in order to pursue loan and grant opportunities.

Discussion

Changes within the Draft 2018-2037 TIP from previous years include:

- Priority 2 – Traffic Signal Program
 - **Remove** from TIP as signal controller replacements are complete and now considered a maintenance item.
- Priority 3 – Des Moines Memorial Drive & S. 200th St.
 - **Reprioritize** to Priority 14
- Priority 4 – 24th Ave S./28th Ave. S. Road Improvement
 - **Remove** from TIP as this project will be completed in 2017.
- Priority 31 – S. 216th St. Improvement Project (Segment 3)
 - **Reprioritize** to Priority 4 as this project has obtained TIB grant funding.
- New Project – Midway 24th Ave Sidewalk
 - **Add** Propose Priority 5
- Priority 7 – Guardrail Program
 - **Reprioritize** to Priority 11
- Priority 21 – Redondo Area Parking Management Project
 - **Reprioritize** to Priority 15 which will ultimately help fund the Redondo Street Lights project (Proposed Priority 19).
- Priority 15 – Barnes Creek Trail
 - **Reprioritize** by Project Segment
 - Priority 10 – Barnes Creek Trail – South Segment
 - Priority 16 – Barnes Creek Trail – North Segment
 - Priority 17 – Barnes Creek Trail – Central Segment
- Priority 14 – Redondo Area Street Lights
 - **Reprioritize** to Priority 19
- New Project – Redondo Beach Drive – Seawall Pile Corrosion Project
 - **Add** Propose Priority 24
- Priority 61 – Dock Street Bike Lanes
 - **Remove** from TIP as Dock Street will cease to be a thru route on the Marina floor with the implementation of paid parking.

Next Steps

The TIP will be brought forward to the full Council in June to meet the July deadline.

- June 1st, 2017 – Draft TIP Discussion
- June 22nd, 2017 – Public Hearing
- July 31st, 2017 – TIP due to per RCW 35.77.010

ATTACHMENT A

Transportation Improvement Plan

Agency: City of Des Moines, WA
County No.: 17
City No.: 0325
County Name: King County
MPO/RTPO: PSRC

From: 2018 To: 2037
Hearing Date: Adoption Date:
Amend Date: Resolution Number:

Proposed Priority	City Project Number	Project Identification	Project Cost in Thousands of Dollars				Local Agency Expenditure Schedule (Year)					
			Project Phase	Fund Source			2018	2019	2020	2021-2023	2024-2027	2028-2037
				Federal Funds	State Funds	Local Funds						
1	PRES-1.0	Pavement Preservation Program Citywide Maintain and preserve the City's roadway surfaces through pavement rehabilitation measures such as overlays/patching, crack sealing and other preventative maintenance measures.	PE RW CN			380 17400	20 1200	20 900	20 900	60 2700	60 2700	200 9000
2	TRAF-2.0	Traffic Signal Program Citywide Replace and upgrade the City's Traffic Signal Systems to be compliant with MUTCD updates. This program is primarily funded through the City's Street Fund.	PE RW CN									
4	S-26.0	24th Ave. S./28th Ave. S. Road Improvement 24th Avenue South from: S. 208th St. to: S. 200th St. Coordinate with City of SeaTac on the construction of a new Principal Arterial roadway.	PE RW CN									
2	TRAF-5.0	Traffic Safety Improvement Program (ASE) Citywide Respond to capital needs associated with traffic and pedestrian safety. These funds would be primarily focused on capital projects near existing schools and other traffic safety related concerns.	PE RW CN			128 835	10 210	8 100	8 100	18 75	24 100	60 250
3	PRES-5.0	Sidewalk/ADA Compliance Program Citywide Installation of pedestrian improvements.	PE RW CN			963	220	108	108	93	124	310
4	TIF-1.3	S. 216th St. Improvement Project (Segment 3) South 216th Street from: 18th Ave. S. to: 11th Ave. S. Widen to provide center turn lane, bike lanes, curb, gutter & sidewalks. Partially funded through development.	PE RW CN		84 2737	46 2364	130	5101				
5	TIF-3.0	Midway 24th Ave Sidewalk 24th Avenue South from: S. 224th Street to: South 227th Street Install sidewalks on east side of roadway between S 224th St. and S 226th St. in conjunction with SWM's 24th Ave Pipeline Replacement.	PE RW CN			10 293	10 293					
				0	2821	2410	130	5101	0	0	0	0
				0	0	400	20	20	20	60	80	200
				0	0	0	303	0	0	0	0	0

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				Federal Funds	State Funds	Local Funds							Total Funds
6 8	S-25.0	Sound Transit - Link Light Rail from: S. 216th St. to: S. 272nd St. Coordination on Link Light Rail Alignment	PE RW CN			210 0 120	210 120	30	30	30	60	60	
7 9	TIF-14.0	Marine View Dr. and S. 240th St. Intersection Project from: to: Reconstruct roadway to improve horizontal alignment. Provide pedestrian facilities, and widen approaches. Install roundabout or traffic signal if warranted.	PE RW CN			165 100 1900	165 100 1900	165 100	1900				
8 10	S-21.2	South 240th St. Improvements (Segment 2) South 240th Street from: 16th Ave. S. to: Marine View Drive Reconstruct roadway including two travel lanes, bicycle lanes, curb, gutter and sidewalks.	PE RW CN	180 40 3532		55 10 883	235 50 4415			235 50	4415		
9 11	S-21.1	South 240th St. Improvements (Segment 1) South 240th Street from: East City Limits to: 16th Ave S. Reconstruct roadway including two travel lanes, bicycle lanes, curb, gutter and sidewalks.	PE RW CN		200 150 4500	100 50 1200	300 200 5800			300	200 5800		
10 15	TRAIL-2.0	Barnes Creek Trail - South Segment from: Kent-Des Moines Road to: Highline College Construct shared use path/trail along the west side of 16th Ave S and north side of S 240th Street.	PE RW CN	173 2300		50 57 1400	50 230 3700	30	50 200	3700			
11 7	TRAF-4.0	Guardrail Program Citywide Install new guardrail and upgrade existing installations.	PE RW CN	2473		0 1507	3980	30	250	3700	0	0	0
12	S-5.0	S. 223rd/Cliff Ave Street Improvement Cliff Ave/South 223rd Street from: Cliff Ave to: 24th Ave. S. Reconstruct to neighborhood collector standards incl. bike lanes, curbs, gutters and sidewalks. Improve sight distance. Provide pedestrian connection to Marina from 223rd/Cliff.	PE RW CN		300 4000	200 4000	500 8000						500 8000
				0	4300	4200	8500	0	0	0	0	0	8500

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13	PRNIP-S2.0	S. 224th St. Improvements Pacific Ridge NIP S2 from: Pacific Highway South to: 30th Ave. S. Reconstruct roadway. Complete curb, gutter, and sidewalk improvements	PE RW CN	113 35 458	606	113 35 458	606	0	0	0	0	0	0
14	TIF-10.0	Des Moines Memorial Drive & S. 200th St. Intersection Improvements from: DMIMD to: S. 200th St. Widen to provide left turn lanes on all legs, and right turn lane on east leg. Rebuild traffic signal and provide channelization improvements. The improvements would be done in partnership with Sea Tac.	PE RW CN	150 80 920	50 20 280	200 100 1200	200 100 1200	200	100	1200			
15	TRAF-8.0	Redondo Area Parking Management Project Redondo Area Installation of parking management system on South 282nd, Redondo Way, and portions of Soundview Dr.	PE RW CN	25 0 125	25 125	25 125	25 125	0	0	0	300	1200	0
16	TRAIL-2.0	Barnes Creek Trail - North Segment Following SR 509 Right-of-Way from: S 216th Street to: S 223rd Street Construct shared use path/trail along old SR509 ROW.	PE RW CN	130 2800	50 20 500	50 150 3300	50 150 3300	50	150	3300			
17	TRAIL-2.0	Barnes Creek Trail - Central Segment Following SR 509 Right-of-Way from: S 223rd Street to: 16th Ave S Construct shared use path/trail along old SR509 ROW and South side of Kent-Des Moines Road	PE RW CN	2930 85 3460	0 200 15 540	570 200 100 4000	570 200 100 4000	0	0	0	3500	0	0
18	S-29.0	South 236th Lane South 236th Lane from: SR-99 to: Highline College Expand roadway for eastbound travel as well as sidewalk, curb, and gutter on both sides, work with Kent on SR-99/236th Ln traffic signal. (Developed by others)	PE RW CN	3545 200 200 1800	0 755	755 4300	755 4300	0	0	0	0	4300	0
19	TRAF-7.0	Redondo Area Street Lights Neighborhood streets in the lower Redondo area from: S. 281st St to: South City Limits Install conduit and street lighting in local road areas currently without lighting	PE RW CN	10 0 60	10 60	10 60	10 60	10	60	10	60	10	60

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				Federal Funds	State Funds	Local Funds	Total Funds	2018	2019	2020	2021-2023	2024-2027	2028-2037	
2017	S-24.0	Downtown Des Moines Improvements from: S. 227th/220&223 to: 6th/8th Provide sidewalks 6th Ave. S. & side streets from S.227th to S.220th/8th Ave S (west side) & side streets and alleys from S.227th to S.223rd. May include street & water distribution upgrades.	PE RW CN			700 3500 0						700 3500		
2118	TIF-20.0	Marine View Dr. ITS Project from: Kent-Des Moines Road to: DMMD Coordinate and optimize signal timing by installing fiber optic signal communications.	PE RW CN		110	100	10 210					10 210		
2219	ITS-1.0	Traffic Management Center (TMC) Citywide/Public Works - Engineering Continue to improve communication and coordination with WSDOT and King County Traffic Management Centers. Implement Citywide ITS program.	PE RW CN			10 50	10 50			10 50				
2320	TRAF-6.0	Wayfinding Signs Citywide Install wayfinding signing throughout the City.	PE RW CN		20 100	10 20	30 120				30 120			
240	TRAF-8.0	Redondo Beach Drive - Seawall Pile Corrosion Project from: S 283rd Street to: Redondo Shores Dr. S Corrosion protection for seawall H-Piles.	PE RW CN			30 300	30 300					30 150	150	
2522	S-8.0	Redondo Way Sidewalk Project Redondo Way South from: Redondo Beach Dr. to: East of Sound View Drive Install curb, gutter, & sidewalk on north side of Redondo Way between Redondo Beach Drive and Sound View Drive	PE RW CN			100 1000	100 1000				25	75 1000		
2623	PL-4.0	Parking Management Plan Highline College Area from: to: Develop a parking management plan strategy and apply program and actions.	PE RW CN			100	100			50	50			
				0	0	1100	1100			0	0	25	1075	0
				0	0	100	100	0	0	0	50	50	0	

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				Federal Funds	State Funds	Local Funds						
27	TIF-7.1	16th Ave. S. Improvement Project (Segment 5a) 16th Avenue South from: S. 272nd St. to: S. 276th Street Widen to provide 3-lane roadway w/curbs, gutters, bike lanes & sidewalks. Provide new alignment to Pacific Hwy. S. if feasible. Joint project w/City of Federal Way. Also coordinate w/City of Kent and King County Metro.	PE RW CN	0	1260	758	128 128 90 1800	0	90	1800	0	0
28	TIF-5.2	Kent-Des Moines Rd. Improvements (Segment 2) (SR 516) from: 24th Ave. S. to: Pacific Highway South Widen roadway to provide pedestrian facilities and additional turn lanes. Joint with City of Kent.	PE RW CN	2300	400 2300	1700	485 100 500 6300	0	0	485 500 6300	0	0
29	INT-7.0	Pacific Highway S. and S. 240th St. Intersection Improvements from: to: Widen to provide dual left turn pocket for eastbound approach, revise signal timing. Coordinate with the City of Kent.	PE RW CN	2300	2700	2285	7285	0	0	7285	0	0
30	TIF-6.0	16th Ave. S./18th Ave. S. Road Improvement Following along old SR 509 Right-of-Way from: S. 220th St. to: S. 216th St. Construct new neighborhood collector alignment along 16/18th Ave. S. corridor, incl. curb/gutter. May be shared use path constructed along R/W so pedestrian/bicycle facilities may be away from roadway alignment.	PE RW CN	0	300 2200	300 500	600 0 2700	0	0	600 2700	0	0
31	TRAF-3.0	Neighborhood Traffic Calming Program Citywide Respond to traffic calming concerns.	PE RW CN	0	2500	800	3300	0	0	3300	0	0
32	PL-2.0	Downtown Circulation Study from: to: Develop a plan to maximize multi-modal use, pedestrian access and traffic operations.	PE RW CN	0	0	1000	1000	10 40	10 40	30 120	40 160	100 400
33	PL-3.0	Parking Management Plan Downtown from: to: Develop a parking management plan strategy and apply program and actions.	PE RW CN	0	0	100	100	0	0	100	0	0

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34	TIF-3.0	24th Ave. S. Improvement Project (Segment 1) 24th Avenue South from: S. 216th St. to: Kent-Des Moines Road Sidewalk, curb, gutter & drainage improvements. Provide 2-way left turn lane.	PE RW CN	0 600 250 3000	1950 400 250 1300	5800 1000 500 4300	0	0	0	0	1000 500 4300	0
35	S-30.0	Wooten Park Access and Parking Improvements North of Redondo Way South from: Redondo Way South to: South 282nd St Increase parking with a new parking lot east of Wooten Park	PE RW CN	0 150 1500	150 0 1500	1500 0 1500	0	0	0	50	100 1500	0
36	S-1.0	Des Moines Memorial Drive Improvement Des Moines Memorial Drive from: S. 208th St. to: Marine View Drive Install bike lanes, curb, gutter, drainage & sidewalks. Add a lane to approach to Marine View Dr.& left turn pockets where feasible.	PE RW CN	0 250 200 3100	1450 500 150 800	5000 750 350 3900	0	0	0	50	1600 750 350 3900	0
37	TIF-11.0	Des Moines Memorial Drive and Marine View Dr. Intersection Improvements from: Lengthen approach lanes, coordinate signal with MVD and 7th/216th. Consider possibility of a Round-About to:	PE RW CN	0 100 60 1600	1450 300 40 400	5000 400 100 2000	0	0	0	0	5000 400 100 2000	0
38	TIF-18.0	Marine View Dr. and 7th/216th Street Intersection Improvements from: Optimize signal timing, and coordinate signal with DMMD and MVD intersection. to:	PE RW CN	0 30 270 0	740 30 270 300	2500 30 270 300	0	0	0	0	2500 30 270	0
39	S-2.1	8th Ave. S. Improvement Project (Segment 1) 8th Avenue South (North Hill) from: North City Limits to: S. 200th Street Reconstruct to Minor Arterial standards including bike lanes, curbs, gutters, and sidewalks.	PE RW CN	0 700 2500 0	300 700 2500 300	700 700 2500 300	0	0	0	0	700 2500 300	0
40	TIF-5.3	Kent-Des Moines Road (Segment 3) (SR 516) from: Marine View Drive to: 16th Ave. South Widen roadway to provide pedestrian facilities and additional lanes where warranted.	PE RW CN	0 2000 2500	3200 1400 2100	3200 1400 1000 6600	0	0	0	0	3200 1400 1000 6600	0

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41 39	TIF-13.0	Marine View Drive and Kent-Des Moines Road Intersection Improvements from: to: Add a second eastbound through lane through the intersection.	PE RW CN	600 600	400 500 1000	200 300	600 800 1600					600 800 1600	
42 40	TIF-12.0	Marine View Drive and S. 227th St. Intersection Improvements from: to: Revise lane configuration to single eastbound right with overlap signal phase. Add second southbound through lane at intersection.	PE RW CN	600 100 500	1900 500	500 40 60	3000 140 560	0	0	0	0	3000 140 560	0
43 41	TIF-5.1	Kent-Des Moines Road (Segment 1) (SR 516) from: 16th Ave. S. to: 24th Ave. S. Widen roadway to provide pedestrian facilities and center 2-way turn lane where warranted	PE RW CN	500 500	2500 1700	700 600 4700	700 600 4700					700 600 4700	
44 41	PL-1.0	CTP Update from: to:	PE RW CN	500 500	2500 480	3000 480	6000 480	0	0	0	0	6000 400	0 80
45 43	S-27.0	30th Ave. S. Over-Crossing Bridge Crossing over Kent-Des Moines Road from: to: Construct vehicular or ped/bike bridge over Kent Des Moines Road linking Pacific Ridge with Midway. Coordinate with Kent.	PE RW CN	0 0	0 750 800 6500	480 750 800 6500	480 750 800 6500	0	0	0	0	400 750 800 6500	80 750 800 6500
46 44	S-20.0	Redondo Beach Drive Sidewalk Project Redondo Beach Drive from: S. 281st St to: South City Limits Install sidewalk where missing and make pedestrian improvements.	PE RW CN	0 0	0 100 500	8050 100 500	8050 100 500	0	0	0	0	0 100 500	8050 0
47 45	TIF-4.5	16th Ave. S. and S. 240th Street Intersection Improvements from: to: Add left turn pockets on 16th Ave. S. and on the west approach (eastbound) on S. 240th St.	PE RW CN	0 0	0 500 300	600 200 800	600 200 800	0	0	0	0	600 200 800	0 0 1000

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48	S-3.0	S. 200th St. & S. 199th St. Improvements from: DMMD to: 1st Ave. S. Install curbs, gutters, sidewalks, & bike lanes.	PE RW CN	100 50 1200	200 50 600	300 100 1800	0	1350	850	2200	0	0	0	0	300 100 1800
49	TIF-4.3	16th Ave. S. Improvement Project (Segment 3) 16th Avenue South from: Kent-Des Moines Rd. to: S. 240th St. Widen to provide center turn lane at apartment driveways south of Kent-Des Moines Road. Provide bus pullouts.	PE RW CN	400 500 1200	400 500 3200	400 500 3200	0	2000	2100	4100	0	0	0	0	400 500 3200
50	TIF-4.2	16th Ave. S. Improvement Project (Segment 2) 16th Avenue South from: S. 260th St. to: S. 250th Street Install curbs, gutters and sidewalks and bike lanes. Provide 2-way left turn lane.	PE RW CN	1200 300 5100	1200 300 2100	1200 300 5100	0	3000	3600	6600	0	0	0	0	1200 300 5100
51	S-12.0	S. 208th St. Sidewalk Project South 208th Street from: 1st Ave. S. to: DMMD Install sidewalk and make pedestrian improvements.	PE RW CN	260 40 1300	260 40 1300	260 40 1300	0	0	1600	1600	0	0	0	0	260 40 1300
52	TIF-8.0	20th Ave. S. Improvement Project (Segment 2) 20th Avenue South from: S. 240th St. to: S. 243rd Street Reconstruct and extend neighborhood collector street with curb, gutter and sidewalks.	PE RW CN	300 0 1200	300 0 1200	300 0 1200	0	0	1600	1600	0	0	0	0	300 0 1200
53	S-6.0	20th Ave. S. Improvement Project (Segment 1) 20th Avenue South from: S. 243rd St. to: S. 250th Street Reconstruct to Neighborhood Collector standards and provide curb, gutter and sidewalks.	PE RW CN	200 1000 1200	200 1000 1200	400 2000 2400	0	200	200	400	0	0	0	0	400 2000 2400
54	S-7.0	South 250th/251st Street Improvement South 250th/251st Street from: Marine View Drive to: 16th Ave. S. Construct bike lanes and curb, gutter and sidewalk on both sides.	PE RW CN	350 50 2400	350 25 1200	350 50 2400	0	50 25 1200	1200	2400	0	0	0	0	350 50 2400

ATTACHMENT A

Transportation Improvement Plan

Agency: City of Des Moines, WA
 County No.: 17 County Name: King County
 City No.: 0325 MPO/RTPO: PSRC

From: 2018 To: 2037
 Hearing Date: Adoption Date:
 Amend Date: Resolution Number:

Proposed Priority No.	City Project Number	Project Identification	Project Cost in Thousands of Dollars				Local Agency Expenditure Schedule (Year)						
			Project Phase	Fund Source			2018	2019	2020	2021-2023	2024-2027	2028-2037	
				Federal Funds	State Funds	Local Funds							Total Funds
55	INT-2.0	S. 250th Street and 16th Ave. S. Intersection Improvements from: to: Add eastbound right turn pocket.	PE RW CN	 50 0 200	 50 0 200	0	0	0	0	0	0	50 0 200	
56	S-9.0	S. 272nd Street / Marine View Drive from: to: Reconstruct roadway to improve horizontal and vertical alignment.	PE RW CN	 150 0 650	 150 150 650	0	0	0	0	0	0	150 0 650	
57	INT-6.0	Pacific Highway S. and S. 260th St. Intersection Improvements from: to: Revise signal timing. Coordinate with the City of Kent.	PE RW CN	 40 0 120	 20 120 120	0	0	0	0	0	0	40 0 120	
58	TIF-4.4	16th Ave. S. Improvement Project (Segment 4) 16th Avenue South from: S. 240th St. to: S. 250th St. Widen to three lane minor arterial with curbs, gutters, bike lanes and sidewalks.	PE RW CN	 800 200 3500	 800 200 1500	0	0	0	0	0	0	800 200 3500	
59	S-10.0	South 222nd Street Improvement Project South 222nd Street from: Marine View Drive to: Pacific Highway South Reconstruct to Neighborhood Collector standards including two travel lanes, bicycle lanes, curb, gutter and sidewalks.	PE RW CN	 500 0 2500	 300 200 2000	0	0	0	0	0	0	500 0 2500	
60	TIF-1.1b	S. 216th Street Improvement (Segment 1b) Transportation Gateway Project (1 of 4 projects) South 216th Street from: East City Limits to: Pacific Highway South Widen to provide additional travel lanes, bike lanes, curb, gutter, & sidewalks. Project coordinated with WSDOT construction of SR509 to replace the I-5 overcrossing with transitions to the planned lane configuration.	PE RW CN	 500 800 2600	 500 800 1000	0	0	0	0	0	0	500 800 2600	
61	TIF-7.2	16th Ave. S. Improvement Project (Segment 5b) 16th Avenue South from: S. 276th St. to: Pacific Highway South Widen to provide 3-hand roadway w/curbs, gutters, bike lanes & sidewalks. Provide new alignment to Pacific Hwy. S. if feasible. Joint project w/City of Federal Way. Also coordinate w/City of Kent and King County Metro.	PE RW CN	 440 1500 2460	 240 900 1660	0	0	0	0	0	0	440 1500 2460	
				0	2800	1600	4400	0	0	0	0	0	4400

ATTACHMENT A

Transportation Improvement Plan

Agency: City of Des Moines, WA
 County No.: 17
 City No.: 0325
 MPO/RTPO: PSRC

Hearing Date:
 Amend Date:
 From: 2018 To: 2037
 Adoption Date:
 Resolution Number:

Proposed Priority No.	City Project Number	Project Identification	Project Cost in Thousands of Dollars				Local Agency Expenditure Schedule (Year)						
			Project Phase	Fund Source			2018	2019	2020	2021-2023	2024-2027	2028-2037	
				Federal Funds	State Funds	Local Funds							Total Funds
62 60	S-28.0	S. 240th Street Overcrossing Bridge Crossing over I-5 from: Pacific Highway South to: Military Road Construct bridge over Interstate 5. Coordinate with City of Kent.	PE RW CN			2000 1500 10000							2000 1500 10000
61 61	S-23.0	Dock Street Bike Lanes from: S. 227th Street to: Cliff Ave. S. Install bike lanes through the Marina to link the Des Moines Creek Trail to S. 227th St.	PE RW CN										
63 62	S-11.0	S. 272nd Street Improvements South 272nd Street from: Pacific Highway South to: 16th Ave. S. Install access control to enhance safety.	PE RW CN			20 80							20 80
64 63	INT-5.0	Redondo Beach Drive and Redondo Way South Intersection Improvements from: to: Install traffic signal, or consider other intersection treatments to enhance capacity.	PE RW CN		60 400	60 200	120 600						120 600
65 64	PRNIP-N2.0	S. 220th St. Improvements Pacific Ridge NIP N2 from: Pacific Highway South to: 30th Ave. S. Reconstruct roadway	PE RW CN			150 50 800							150 50 800
66 65	TIF-9.0	S. 220th St. and Pacific Highway S. Intersection Improvements from: to: Widen for left turn pockets, adjust roadway profile and approach grades, and revise signal phasing to remove split phasing.	PE RW CN		100 500	50 50	150 550						150 550
67 66	PRNIP-S4.0	S. 225th Pl. Connection Improvement Pacific Ridge NIP S4 from: Pacific Highway South to: 30th Ave. S. Construct new pedestrian connection and potential roadway	PE RW CN			700 400 3500							700 400 3500
68 67	PRNIP-N4.0	S. 222nd Pl. Connection Improvement Pacific Ridge NIP N4 from: 28th Ave. S. to: 30th Ave. S. Construct new roadway	PE RW CN			350 350 1200							350 350 1200

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Transportation Improvement Plan

Agency: City of Des Moines, WA
 County No.: 17
 City No.: 0325
 County Name: King County
 MPO/RTPO: PSRC

Hearing Date: 2018
 Amend Date: 2037
 Adoption Date: 2018
 Resolution Number: 2037

Proposed Priority No.	City Project Number	Project Identification	Project Cost in Thousands of Dollars				Local Agency Expenditure Schedule (Year)								
			Project Phase	Fund Source			Total Funds	2018	2019	2020	2021-2023	2024-2027	2028-2037		
				Federal Funds	State Funds	Local Funds									
69	S-22.0	South 227th Street Improvements South 227th Street from: West City Limits to: Marine View Dr. Reconstruct roadway to improve bicycle connection between Marina and Marine View Drive	PE RW CN	0	0	1500	1500	0	0	0	0	0	1150	1500	1000
70	PRNIP-N1.0	30th Ave. S. Improvements Pacific Ridge NIP N1 from: S. 216th St. to: S. 220th St. Reconstruct roadway	PE RW CN	0	0	3000	3000	0	0	0	0	0	1150	3000	1200
71	PRNIP-N5.0	30th Ave. S. Improvements Pacific Ridge NIP N5 from: S. 222nd Pl. to: n/o S. 224th St. Reconstruct roadway	PE RW CN	0	0	1200	1200	0	0	0	0	0	1150	1200	400
72	PRNIP-S1.0	30th Ave. S. Improvements Pacific Ridge NIP S1 from: n/o S. 224th St. to: S. 224th St. Reconstruct roadway	PE RW CN	0	0	500	500	0	0	0	0	0	800	500	200
73	PRNIP-S5.0	30th Ave. S. Improvements Pacific Ridge NIP S5 from: S. 224th St. to: Kent-Des Moines Rd. Reconstruct roadway	PE RW CN	0	0	6000	6000	0	0	0	0	0	2500	6000	3200
74	PRNIP-N3.1	S. 219th St. Cul-de-Sac Improvement Pacific Ridge NIP N3 (1 of 3) from: Eastern terminus to: I-5 Reconstruct roadway	PE RW CN	0	0	500	500	0	0	0	0	0	4000	500	200
75	PRNIP-N3.2	S. 220th St. Cul-de-Sac Improvement Pacific Ridge NIP N3 (1 of 3) from: Eastern terminus to: I-5 Reconstruct roadway	PE RW CN	0	0	500	500	0	0	0	0	0	2500	500	200

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Transportation Improvement Plan

Agency: City of Des Moines, WA
 County No.: 17
 City No.: 0325
 County Name: King County
 MPO/RTO: PSRC

From: 2018 To: 2037
 Hearing Date: Adoption Date:
 Amend Date: Resolution Number:

Proposed Priority No.	City Project Number	Project Identification	Project Cost in Thousands of Dollars				Local Agency Expenditure Schedule (Year)					
			Project Phase	Fund Source			2018	2019	2020	2021-2023	2024-2027	2028-2037
				Federal Funds	State Funds	Local Funds						
76	PRNIP-N3.3	S. 221st St. Cul-de-Sac Improvement Pacific Ridge NIP N3 (1 of 3) from: Eastern terminus to: I-5 Reconstruct roadway	PE RW CN	 	 	50 0 200	 	 	 	 	50 200	
77	PRNIP-S3.0	S. 224th St. Cul-de-Sac Improvement Pacific Ridge NIP S3 from: Eastern terminus to: I-5 Reconstruct roadway	PE RW CN	 	 	50 0 200	 	 	 	 	50 200	
78	TIF-17.0	8th Ave. S. and S. 200th Street Intersection Improvements from: to: Install traffic signal, or consider other intersection treatments to enhance capacity.	PE RW CN	 	 	60 0 240	 	 	 	 	60 240	
79	INT-1.0	24th Ave. S. and S. 222nd Street Intersection Improvements from: to: Install traffic signal, or consider other intersection treatments to enhance capacity.	PE RW CN	 	 	80 50 420	 	 	 	 	80 50 420	
80	TIF-19.0	20th Ave. S. and S. 240th St. Improvement Project Intersection Improvements from: to: Widen to provide left turn pockets. Install traffic signal at 20th and 240th if warranted.	PE RW CN	 	 	125 25 700	 	 	 	 	250 50 1400	
81	INT-3.0	Des Moines Memorial Drive and S. 208th St. Intersection Improvements from: to: Widen DMMD to add left turn pockets at S. 208th Street.	PE RW CN	 	 	50 0 200	 	 	 	 	50 200	
82	INT-4.0	Des Moines Memorial Drive and S. 212th St. Intersection Improvements from: to: Widen DMMD to add left turn pockets at S. 208th Street.	PE RW CN	 	 	50 0 200	 	 	 	 	50 200	

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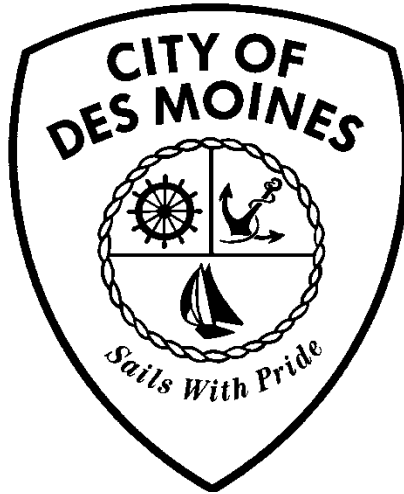
Transportation Improvement Plan

Agency: City of Des Moines, WA
 County No.: 17 County Name: King County
 City No.: 0325 MPO/RTPO: PSRC

From: 2018 To: 2037
 Hearing Date: Adoption Date:
 Amend Date: Resolution Number:

Proposed Priority No.	City Project Number	Project Identification	Project Cost in Thousands of Dollars				Local Agency Expenditure Schedule (Year)						
			Project Phase	Fund Source			2018	2019	2020	2021-2023	2024-2027	2028-2037	
				Federal Funds	State Funds	Local Funds							Total Funds
83 82	S-19.0	S. 272nd Street/10th Ave. S. South 272nd Street / 10th Avenue South from: 16th Ave. S. to: Redondo beach Drive Install sidewalk and make pedestrian improvements.	PE		700	700	1400						1400
			RW		800	800	1600						1600
			CN		2250	2250	4500						4500
84 83	S-2.2	8th Ave. S. Improvement Project (Segment 2) 8th Avenue South (North Hill) from: S. 200th Street to: S. 208th Street Reconstruct to Minor Arterial standards including bike lanes, curbs, gutters, and sidewalks.	PE				500						500
			RW				0						0
			CN			1500	1500						1500
85 84	S-17.0	Marine View Drive Sidewalk Project Marine View Drive from: S. 250th Street to: Woodmont Dr. S. Install sidewalk and make pedestrian improvements.	PE				300						300
			RW			50	50						50
			CN			2150	2150						2150
86 85	S-18.0	Woodmont Drive South Sidewalk Project Woodmont Drive South from: Marine View Drive to: 16th Ave. S. Install sidewalk and make pedestrian improvements.	PE				350						350
			RW			50	50						50
			CN			2600	2600						2600
87 86	S-16.0	16th Ave. S. Sidewalk Project 16th Avenue South from: S. 220th Street to: Kent-Des Moines Road Install sidewalk and make pedestrian improvements.	PE				200						200
			RW			50	50						50
			CN			1650	1650						1650
88 87	S-13.0	S. 220th St. Sidewalk Project South 220th Street from: 11th Ave. S. to: 16th Ave. S. Install sidewalk and make pedestrian improvements.	PE				160						160
			RW			40	40						40
			CN			900	900						900
89 88	S-14.0	9th Ave. S. Sidewalk Project 9th Avenue South from: S. 220th Street to: S. 223rd Street Install sidewalk and make pedestrian improvements.	PE				80						80
			RW			20	20						20
			CN			400	400						400
90 89	S-15.0	10th Ave. S. Sidewalk Project 10th Avenue South from: S. 220th Street to: Kent-Des Moines Road Install sidewalk and make pedestrian improvements.	PE				200						200
			RW			50	50						50
			CN			1250	1250						1250
			PE				1500						1500

DRAFT 5/24/17



2018-2023

CAPITAL IMPROVEMENTS PLAN

Resolution No. XXXX
Adopted by the City Council
on July, XX 2017

CITY OF DES MOINES
2018 – 2023
CAPITAL IMPROVEMENTS PLAN

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“You can avoid reality, but you cannot avoid the consequences of avoiding reality.”

Ayn Rand

INTRODUCTION

This document is the City of Des Moines’s 2018-2023 Capital Improvement Plan. The Capital Improvement Plan provides a multi-year list of proposed major capital and major repair expenditures for the city. This plan attempts to set funding strategies not only for the current year, but also for the next five years to project future needs for major construction, land acquisition and equipment needs that improve the cultural environment, capital infrastructure and recreational opportunities for the citizens of Des Moines. Capital expenditures are viewed not only in the context of how much the new project will cost, but also what impact the project will have on the city’s operating budget.

OVERVIEW

Capital facilities planning and financing is subject to the State of Washington Growth Management Act of 1990 (GMA). The GMA requires communities to adopt comprehensive plans designed to guide the orderly development of growth over the next twenty years.

In accordance with GMA, the city has prepared its 2018-2023 Capital Improvement Plan (“CIP”). This plan provides long-range policy guidance for the development of capital improvements and identification of major repairs to accommodate orderly growth, set policy direction for capital improvements and ensure that needed capital facilities are provided in a timely manner.

The GMA requires the following elements in long term capital planning:

1. An inventory of existing publicly-owned capital facilities showing locations and capacities.
2. A forecast of the future needs for such capital facilities.
3. The proposed locations and capacities of expanded or new capital facilities.
4. A minimum six-year plan that will finance such capital facilities within projected funding capacities and clearly identifies sources of public money for such purposes.
5. A requirement to reassess the land-use element if probable funding falls short of meeting existing needs.

The 2018-2023 CIP is the result of step 4 listed above.

For financial and accounting purposes, municipal capital and operating funds are divided into two broad categories: general governmental and proprietary. General governmental activities are supported primarily by taxes and user fees, while proprietary activities rely primarily on fees generated from the sale of goods and services for their operations. Capital improvements for police, parks, and transportation are traditionally general governmental in nature, while those for surface water and marina are proprietary.

Revenue sources for general governmental capital improvements are constrained by legal limits on tax rates that can be charged to raise funds for capital improvements, and on the amount of general obligation debt (capacity) that can be issued to raise funds for capital improvements. Proprietary funds’ revenue sources are less restricted in that user fees could be increased or revenue-backed debt issued with the approval of the legislative body.

In addition, general governmental capital funding for improvements that rely on voter-approved bond issues creates uncertainty of when or if certain projects will take place.

CIP PROJECT CRITERIA

Capital expenditures include expenditures for buildings, land, major equipment, and other commodities that are of significant value (greater than \$25,000) and have a useful life of at least five years. Anticipated major repairs/maintenance greater than \$25,000 have also been included. The next year of capital spending and projects which do not meet the capital criteria are included in the annual Operating Budget.

The Capital Improvement Plan (CIP) lists each proposed project to be undertaken, the year in which it will be started, the amount expected to be expended in each year and the proposed method of financing these expenditures. Based on these details, summaries of project activities in each year can be prepared, as well as summaries of financial requirements, such as amounts of general obligation bonds to be issued, amounts of general operation funds required and any anticipated intergovernmental support, etc.

The capital improvement budget is enacted annually based on the capital improvement plan. It appropriates funding for the projects in the first year of the capital improvement plan as well as any projects started but not yet complete.

Flexibility is built into the capital improvement plan to allow for delay of projects when financing constraints make it impossible to allow for funding of the entire array of projects and to move future projects forward when financial availability makes it possible. The CIP is updated at least annually.

WHY PLAN FOR CAPITAL FACILITIES?

Project planning provides several advantages to the community:

- It facilitates repair or replacement of existing facilities before they fail. Failure is almost always more costly, time- consuming and disruptive than planned repair or replacement.
- It focuses community and the City Council's attention to priorities, goals, needs and capabilities. There are always more needs and competing projects than available funds. A good project plan forces the city to consciously set priorities between competing projects and interests.
- It provides a framework for decisions about community growth and development. Long-range planning for infrastructure needs allows the community to accommodate reasonable growth in new facilities while maintaining existing infrastructure, based on goals established through the planning process.
- It promotes a more efficient government operation. Coordination of projects can minimize disruption and reduce scheduling problems and conflicts between several projects. Related projects, such as sidewalks, drainage and roads, can be planned simultaneously.
- It helps distribute costs more equitably over a longer period of time, avoiding the need to impose spikes in tax financing. For example, new projects can be scheduled as current debt levels decline.
- It enhances opportunities for outside financial assistance. Adequate lead time allows for the opportunity to explore all avenues of outside grant funding with federal, state, and local financial assistance programs.

- It serves as an effective community education tool in conveying to the public that the City Council has made decisions that affect the future of the city and in its implementation provides guidance for development of the community.

FINANCIAL POLICIES & REVENUE SOURCES

The City Council has adopted policies that encourage fiscal responsibility while establishing reliable sources of funding for project expenditures on an ongoing basis. Described below are policies and revenues sources which support the CIP process.

Revenue Policies and Sources

- In 2012 City Council adopted Ordinance No. 1561 which was later amended by Ordinance No. 1637 in 2015, which defines one-time revenues and restricts the use of those identified one-time revenues to fund municipal capital improvements projects.
- Rate studies in proprietary funds are conducted periodically to determine the adequacy of user charges and annual contributions for capital improvements. The Marina underwent a rate studies in 2006 and the Surface Water Management Utility completed its latest rate study in 2015. The City Council implemented a three-year phased-in approach of rate increases as proposed by the Surface Water Management Utility Rate Study. In 2007, the City Council approved Resolution No. 1028 adopting increases in Marina rates for through 2009. Subsequent rate changes for both the Marina and the Surface Water Management Utility are based on the CPI inflation index. In 2017 the Marina conducted a moorage rate study and recommendations for rate adjustments will be made to the City Council in June.
- Park in-lieu fees from single-family subdivisions and multi-family developments are used for the acquisition and development of neighborhood parks determined necessary as a consequence of the proposed development, or for designated community parks.
- Transportation Impact Fees are used to pay for past and future payments of capital expenditures for growth related transportation improvements and are also available to repay the debt service on bonds or loans financed for growth related transportation improvements

Debt Management Policies:

- The city shall determine the most advantageous financing method for all new projects. Whenever possible, the city shall identify alternative sources of funding and shall examine the availability of all sources in order to minimize the level of debt.
- Pay-as-you-go financing of capital improvements shall be utilized whenever possible.
- The city shall utilize intergovernmental contribution, when available, to finance capital improvements that are consistent with the goals and priorities of the city.
- The scheduled maturities of long-term obligations shall not exceed the expected useful life of the capital project or asset financed.

CAPITAL IMPROVEMENT PLAN PROCESS

The capital improvement plan process is built around the following eight steps:

1. *Establish administrative and policy framework for capital programming and budgeting.* The first step in implementing an effective capital improvement planning and budget process is to establish the underlying organizational and policy framework within which the process operates. All requests for capital improvement projects are submitted to the Finance Department.
2. *Prepare inventory of existing facilities.* Each governmental unit compiles an inventory of its own physical plant. This helps to indicate the eventual need for renewal, replacements, expansion or retirement of some of the physical plant. This often is accomplished through a master plan process.
3. *Review the status of on-going projects.* The estimated costs of these projects are reviewed to ensure accuracy and monitor the funding necessary to complete the project.
4. *Perform financial analysis and financial programming.* Financial analysis involves the determination of the City of Des Moines' financial capability for major expenditures by examining past, present and future revenue, expenditures and municipal debt. The selection and scheduling of funding sources of these major expenditures is known as financial programming. Some of the important objectives of financial programming include:
 - Smoothing the tax rate impacts
 - Maintaining a preferred balance of debt service and current expenditures
 - Determining debt capacity and appropriate debt service levels
 - Maximizing intergovernmental aid relative to local expenditures

The intent is to come up with a level of project expenditures which the municipality can safely afford over the next several years while maintaining a minimal impact of the property tax rate and other municipal revenues.

5. *Compile and evaluate project requests.* Once the Finance Department has completed reviewing and summarizing the CIP requests, the CIP requests are then presented to the City Council Committees (Environment Committee for Surface Water Management capital projects; Municipal Facilities Committee for Parks, Administrative and Maintenance Facilities, and Marina capital projects; Public Safety and Transportation Committee for Transportation capital projects) for review and prioritization based on the criteria contained in the Capital Project Criteria section.
6. *Adopt the capital program and budget.* The City Council as a whole, reviews, modifies and adopts the Capital Improvement Plan in the summer. Continuing projects plus projects listed in the CIP to start the next fiscal year are included in the Capital Project Budget which council adopts (along with the Operating Budget) before the end of the current year.
7. *Monitoring the Capital Project Budget.* Monitoring the approved capital project budget requires appropriate actions from the Finance Department. Since capital projects often involve time-consuming activities such as bidding, site selection, and lengthy purchasing and construction delays, the actual

implementation of projects may be completed somewhat later than the designated year. If funds are incomplete, it may be desirable to split the project over two funding years. An example of this would be completing the Engineering design and bid specification development in one year and the actual construction in the second year.

8. *Modifications.* Significant change in project scope, time or costs requires a budget amendment by the City Council.

CAPITAL PROJECT EVALUATION CRITERIA

Legal. A State or Federal mandate may require a project be implemented. Court orders and judgments concerning annexation property owners' rights, environmental protection, etc. are examples of legal requirements which may affect project prioritization.

Safety. Benefit to the environment, safety or public health of the community is evaluated. For example, all street projects concern public safety, but streets for which documented evidence of existing safety hazards are given higher priority.

Comprehensive Plan. Consistency with the city's Comprehensive Plan is important. Capital projects may directly or indirectly relate to comprehensive plan and should be consistent with the comprehensive plan.

Funding. The extent to which outside funding is available for a project or purchase is evaluated.

Related Project. Sometimes projects in one category are essential to the success of those in others. Related projects proposed by other departments or governmental jurisdictions may even affect a savings to a particular project. Coordination of street projects with utility programs within the city (or those planned by other jurisdictions) can reduce costs and minimize public inconvenience. A surface water line replacement needed in three years may be given a higher priority in order to coincide with a street resurfacing project needed immediately.

Efficiencies. Projects which substantially improve the quality of service at the same operating cost, or eliminate obsolete and inefficient facilities, or lower operating costs are given higher priority.

Economic Impact. A project may affect the local economy. Increases or decreases in property valuations may occur. Rapid growth in the area may increase the city's land acquisition costs if the project is deferred.

Public Support. Projects are generally more easily implemented if there is public demand and support for them.

“Each of us is carving a stone, erecting a column,
or cutting a piece of stained glass in the construction
of something much bigger than ourselves.”

Adrienne Clarkson

SUMMARY LISTING OF
PROJECT EXPENDITURES
AND FUNDING SOURCES

CITY OF DES MOINES
CIP COSTS SUMMARY: 2018-2023
(Amounts in Thousands)

Page #	Project Name	Total Budget	Project to Date 12/31/16	Sched Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
GENERAL MUNICIPAL IMPROVEMENTS										
<u>Economic Development Projects</u>										
17	N. Lot Fishing Pier Paid Parking	400	29	371	-	-	-	-	-	-
19	Redondo Paid Parking	200	-	-	200	-	-	-	-	-
	Total Econ Dev & Tourism	600	29	371	200	-	-	-	-	-
<u>Building Facility Projects</u>										
21	Activity Center Exterior Paint	53	-	53	-	-	-	-	-	-
23	City Hall Generator	164	-	164	-	-	-	-	-	-
25	Court Security Improvements	230	-	54	176	-	-	-	-	-
27	Police Security Improvements	183	-	45	138	-	-	-	-	-
29	Building Access System	58	-	-	58	-	-	-	-	-
31	LED Exterior Lighting	34	-	-	-	-	34	-	-	-
33	Founders' Lodge Exterior Paint	90	-	-	-	-	90	-	-	-
35	Engineer Bldg Windows	25	-	-	-	-	25	-	-	-
37	City Hall Canopy Repairs	55	-	-	-	-	55	-	-	-
39	PW Service Center Interior Painting	60	-	-	-	-	-	60	-	-
41	Field House Interior Paint	35	-	-	-	-	-	35	-	-
43	Police Dept Storage Building	445	-	-	-	-	-	-	-	445
45	Activity Center Irrigation/Landscape	65	-	-	-	-	-	-	-	65
47	City Hall Parking Lot	260	-	-	-	-	-	-	-	260
	Total Building Facilities	1,757	-	316	372	-	204	95	-	770
<u>Park Facility & Playground Projects</u>										
49	BP Picnic Shelter/Restrooms	623	242	381	-	-	-	-	-	-
51	Parkside Playground	508	72	436	-	-	-	-	-	-
53	Parkside Soil Remediation	202	-	202	-	-	-	-	-	-
55	Field House Tennis Court	25	-	25	-	-	-	-	-	-
57	Midway Park Play Equipment	25	-	2	23	-	-	-	-	-
59	Kiddie Park Play Equipment	228	-	27	201	-	-	-	-	-
61	Field House Play Equipment	194	-	15	179	-	-	-	-	-
63	Cecil Powell Play Equipment	103	-	13	-	90	-	-	-	-
65	Westwood Play Equipment	67	-	7	-	60	-	-	-	-
67	Wooton Park	210	-	18	-	93	99	-	-	-
69	Water Tower Park Play Equipment	66	-	6	-	-	60	-	-	-
71	SJU Play	401	-	67	-	334	-	-	-	-
73	City Park Renovation	95	-	-	95	-	-	-	-	-
75	DMBP Sun Home Lodge Rehab	638	-	-	66	572	-	-	-	-
77	Field House Play Field/Skate Park	151	-	-	-	151	-	-	-	-
79	Beach Park Promenade & Play Equip	775	-	-	-	90	685	-	-	-
	Total City Wide Park Facilities	4,311	314	1,199	564	1,390	844	-	-	-

CITY OF DES MOINES
CIP COSTS SUMMARY: 2018-2023
(Amounts in Thousands)

Page #	Project Name	Total Budget	Project to Date 12/31/16	Sched Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
GENERAL MUNICIPAL IMPROVEMENTS										
<u>Waterfront Facility Projects</u>										
81	Redondo Floats	110	-	-	-	110	-	-	-	-
83	Redondo Fishing Pier Replace Decking	225	-	-	-	225	-	-	-	-
85	North Bulkheads	3,400	-	-	-	-	-	100	-	3,300
87	N Pier Restrooms	250	-	-	-	-	-	-	250	-
89	Redondo Restroom & Plaza	400	-	-	-	-	-	-	-	400
	Total Waterfront Facilities	4,385	-	-	-	335	-	100	250	3,700
<u>Transportation - Operating Projects</u>										
91	Arterial Street Pavement Preservation	6,772	-	64	1,178	925	925	925	925	1,830
93	Arterial Traffic Calming	180	-	30	150	-	-	-	-	-
95	Sidewalk Program	140	-	20	20	20	20	20	20	20
97	Guardrail Program	75	-	-	25	-	25	-	25	-
	Total Transport - O&M Projects	7,167	-	114	1,373	945	970	945	970	1,850
<u>Transportation - Capital Projects</u>										
99	Gateway - S 216th Segment 1A	5,573	5,271	302	-	-	-	-	-	-
101	Midway 24th Ave Sidewalk	396	31	72	293	-	-	-	-	-
103	Barnes Creek Trail	7,864	650	414	30	250	3,020	200	1,650	1,650
105	Redondo Board Walk Replacement	4,721	4,698	23	-	-	-	-	-	-
107	South 268th Street Sidewalk	982	774	208	-	-	-	-	-	-
109	24th Ave/Sea-Tac Intersection	30	-	30	-	-	-	-	-	-
111	Marine View Dr Roundabout	2,133	-	35	365	1,733	-	-	-	-
113	South 216th - Segment 3	5,879	-	613	134	5,132	-	-	-	-
115	S 224th St Improvements	606	-	-	606	-	-	-	-	-
117	16th Ave - Seg 5A	129	-	-	129	-	-	-	-	-
119	S 223rd Walkway Improvements	150	-	-	150	-	-	-	-	-
121	Downtown Alley Improvement	541	-	-	-	71	470	-	-	-
123	South 236th Lane	2,191	-	-	-	200	200	1,791	-	-
125	Redondo Area Street Improvements	70	-	-	-	-	70	-	-	-
127	South 240th Street Improve - Seg 1	6,300	-	-	-	-	735	5,565	-	-
129	South 240th Street Improve - Seg 2	4,850	-	-	-	-	435	4,415	-	-
131	Kent-Des Moines Rd - Seg 2	7,200	-	-	-	-	-	985	6,215	-
133	SeaTac Signal Improvements	350	-	-	-	-	-	-	350	-
	Total Transport - Capital Projects	49,965	6,153	1,395	1,707	7,386	4,930	12,956	8,215	1,650
Total General Municipal Improvements		68,185	6,496	3,395	4,216	10,056	6,948	14,096	9,435	7,970

CITY OF DES MOINES
CIP COSTS SUMMARY: 2018-2023
(Amounts in Thousands)

<i>Page #</i>	<i>Project Name</i>	<i>Total Budget</i>	<i>Project to Date 12/31/16</i>	<i>Sched Year 2017</i>	<i>Plan Year 2018</i>	<i>Plan Year 2019</i>	<i>Plan Year 2020</i>	<i>Plan Year 2021</i>	<i>Plan Year 2022</i>	<i>Plan Year 2023</i>
	MARINA CAPITAL IMPROVEMENTS									
135	Dock Electrical Replacements	300	-	60	-	60	60	60	60	-
137	Flex Conduits & Fuel Hose Replacement	41	-	41	-	-	-	-	-	-
139	Marina Fiber Optic Cable	150	-	150	-	-	-	-	-	-
141	Fuel Dispenser	60	-	-	60	-	-	-	-	-
143	Marina Dock Replacement	1,400	-	-	-	-	-	-	-	1,400
145	Tenant Restroom Replacement	150	-	-	-	-	-	-	-	150
	Total Marina	2,101	-	251	60	60	60	60	60	1,550
	SURFACE WATER MANAGEMENT CAPITAL									
147	Barnes Crk/Kent-Des Moines Rd Culvert	1,878	387	336	1,155	-	-	-	-	-
149	Lower Massey Creek Channel Modification	1,864	1,553	311	-	-	-	-	-	-
151	S. 251st Street Storm Outfall	370	59	311	-	-	-	-	-	-
153	24th Ave Pipeline Replacement/Upgrade	536	-	52	484	-	-	-	-	-
155	16th & 17th Place Storm Pipe Connections	175	-	175	-	-	-	-	-	-
157	S. 223rd Stormwater Improvements	328	-	49	279	-	-	-	-	-
159	Pipe Replacement Program	1,312	-	-	49	328	328	328	279	-
161	Pond Safety Improvements	58	-	-	58	-	-	-	-	-
163	Deepdene Plat Outfall Replacement	410	-	22	388	-	-	-	-	-
165	5th Ave/212th Street Pipe Upgrade	815	-	-	-	815	-	-	-	-
167	N. Fork McSorley Ck Diversion	432	-	-	-	-	432	-	-	-
169	6th Ave/239th Pipe Replacement	249	-	-	-	-	249	-	-	-
171	14th Ave (268th to 272nd) Pipe Upgrade	478	-	-	-	-	478	-	-	-
173	216th Pl./ Marine View Dr. Pipe Upgrade	309	-	-	-	-	-	309	-	-
175	KDM /16th Avenue A Pipe Replacement	272	-	-	-	-	-	272	-	-
177	DMMD 208th to 212th Pipe Project	603	-	-	-	-	-	603	-	-
179	8th Ave (264th to 265th)	270	-	-	-	-	-	-	270	-
181	KDM/16th Ave B Pipe Replacement	880	-	-	-	-	-	-	880	-
183	232nd Street (10th to 14th) Pipe Project	629	-	-	-	-	-	-	-	629
	Total Surface Water Mgmt	11,868	1,999	1,256	2,413	1,143	1,487	1,512	1,429	-
	TOTAL CITY WIDE	82,154	8,495	4,902	6,689	11,259	8,495	15,668	10,924	9,520

CITY OF DES MOINES
CIP REVENUE SOURCE SUMMARY: 2018-2023
(Amounts in Thousands)

Page #	Project Name	Total Budget	Project to Date 12/31/16	Sched Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
GENERAL FUND										
17	N. Lot Fishing Pier Paid Parking	125	125	-	-	-	-	-	-	-
93	Arterial Traffic Calming	150	-	-	150	-	-	-	-	-
	Total General Fund	275	125	-	150	-	-	-	-	-
FRANCHISE FEES										
91	Arterial Street Pavement Preservation	3,322	-	502	470	470	470	470	470	470
	Total Franchise Fee	3,322	-	502	470	470	470	470	470	470
REDONDO ZONE										
125	Redondo Area Street Improvements	70	-	-	-	-	70	-	-	-
	Total Redondo Zone Parking	70	-	-	-	-	70	-	-	-
AUTOMATED SPEED ENFORCE (ASE)										
101	Midway 24th Ave Sidewalk	268	208	-	60	-	-	-	-	-
107	South 268th Street Sidewalk	40	40	-	-	-	-	-	-	-
93	Arterial Traffic Calming	30	-	30	-	-	-	-	-	-
95	Sidewalk Program	140	-	20	20	20	20	20	20	20
119	S 223rd Walkway Improvements	44	-	-	44	-	-	-	-	-
	Total ASE	522	248	50	124	20	20	20	20	20
TRANSPORTATION BENEFIT DISTRICT										
91	Arterial Street Pavement Preservation	3,450	347	373	455	455	455	455	455	455
	Total Transportation Benefit District	3,450	347	373	455	455	455	455	455	455
REET 1st QTR %										
105	Redondo Board Walk Replacement	426	411	15	-	-	-	-	-	-
103	Barnes Creek Trail	1,794	48	240	30	250	620	100	253	253
49	BP Picnic Shelter/Restrooms	41	-	117	(54)	(22)	-	-	-	-
25	Court Security Improvements	183	-	54	129	-	-	-	-	-
27	Police Security Improvements	183	-	45	138	-	-	-	-	-
55	Field House Tennis Court	25	-	25	-	-	-	-	-	-
85	North Bulkheads	1,400	-	-	200	200	200	200	300	300
19	Redondo Paid Parking	200	-	-	200	-	-	-	-	-
75	DMBP Sun Home Lodge Rehab	3	-	-	3	-	-	-	-	-
43	Police Dept Storage Building	445	-	-	-	-	-	-	-	445
47	City Hall Parking Lot	260	-	-	-	-	-	-	-	260
	Total REET 1st Qtr %	4,960	459	496	646	428	820	300	553	1,258
REET - 2nd QTR %										
107	South 268th Street Sidewalk	97	34	63	-	-	-	-	-	-
51	Parkside Playground	102	11	91	-	-	-	-	-	-
17	N. Lot Fishing Pier Paid Parking	275	-	275	-	-	-	-	-	-
71	SJU Play	109	-	67	-	42	-	-	-	-
59	Kiddie Park Play Equipment	27	-	27	-	-	-	-	-	-
67	Wooton Park	160	-	18	-	43	99	-	-	-
61	Field House Play Equipment	15	-	15	-	-	-	-	-	-
63	Cecil Powell Play Equipment	13	-	13	-	-	-	-	-	-
65	Westwood Play Equipment	67	-	7	-	60	-	-	-	-
69	Water Tower Park Play Equipment	66	-	6	-	-	60	-	-	-
53	Parkside Soil Remediation	2	-	2	-	-	-	-	-	-
57	Midway Park Play Equipment	25	-	2	23	-	-	-	-	-
97	Guardrail Program	75	-	-	25	-	25	-	25	-
81	Redondo Floats	40	-	-	-	40	-	-	-	-
83	Redondo Fishing Pier Replace Decking	67	-	-	-	67	-	-	-	-
87	N Pier Restrooms	250	-	-	-	-	-	-	250	-
89	Redondo Restroom & Plaza	200	-	-	-	-	-	-	-	200
	Total REET 2nd Qtr %	1,590	45	586	48	252	184	-	275	200

CITY OF DES MOINES
CIP REVENUE SOURCE SUMMARY: 2018-2023

(Amounts in Thousands)

Page #	Project Name	Total Budget	Project to Date 12/31/16	Sched Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
KING COUNTY PARK LEVY										
103	Barnes Creek Trail	288	288	-	-	-	-	-	-	-
49	BP Picnic Shelter/Restrooms	289	129	84	54	22	-	-	-	-
	<i>Repay REET temp used for BP Picnic/Restroom</i>				(54)	(54)	(22)			
	Total King County Park Levy	577	417	84	-	(32)	(22)	-	-	-
		-								
PARK IN LIEU										
79	Beach Park Promenade & Play Equip	380	-	-	-	90	290	-	-	-
	Total Park in Lieu	380	-	-	-	90	290	-	-	-
		-								
ONE TIME REVENUE										
23	City Hall Generator	164	-	164	-	-	-	-	-	-
25	Court Security Improvements	47	-	-	47	-	-	-	-	-
	Total One Time Revenue	211	-	164	47	-	-	-	-	-
		-								
TRAFFIC IN LIEU										
117	16th Ave - Seg 5A	129	129	-	-	-	-	-	-	-
99	Gateway - S 216th Segment 1A	851	727	124	-	-	-	-	-	-
123	South 236th Lane	1,091	-	517	-	574	-	-	-	-
111	Marine View Dr Roundabout	447	-	-	100	347	-	-	-	-
121	Downtown Alley Improvement	441	-	-	-	71	370	-	-	-
129	South 240th Street Improve - Seg 2	2,900	-	-	-	-	235	2,665	-	-
131	Kent-Des Moines Rd - Seg 2	20	-	-	-	-	-	20	-	-
	Total Traffic in Lieu	5,879	856	641	100	992	605	2,685	-	-
		-								
TRANSPORTATION CIP FUND										
99	Gateway - S 216th Segment 1A	894	853	41	-	-	-	-	-	-
115	S 224th St Improvements	606	606	-	-	-	-	-	-	-
107	South 268th Street Sidewalk	326	182	144	-	-	-	-	-	-
103	Barnes Creek Trail	68	68	-	-	-	-	-	-	-
105	Redondo Board Walk Replacement	50	50	-	-	-	-	-	-	-
	Total Transportation CIP Fund	1,944	1,759	185	-	-	-	-	-	-
		-								
TRAFFIC IMPACT CITY WIDE										
113	South 216th - Segment 3	2,722	-	284	62	2,376	-	-	-	-
99	Gateway - S 216th Segment 1A	252	-	252	-	-	-	-	-	-
101	Midway 24th Ave Sidewalk	128	-	105	23	-	-	-	-	-
111	Marine View Dr Roundabout	200	-	35	165	-	-	-	-	-
109	24th Ave/Sea-Tac Intersection	30	-	30	-	-	-	-	-	-
119	S 223rd Walkway Improvements	106	-	-	106	-	-	-	-	-
123	South 236th Lane	1,100	-	-	-	1,100	-	-	-	-
103	Barnes Creek Trail	400	-	-	-	-	100	100	100	100
131	Kent-Des Moines Rd - Seg 2	330	-	-	-	-	-	330	-	-
133	SeaTac Signal Improvements	350	-	-	-	-	-	-	350	-
	Total Traffic Impact City Wide	5,618	-	706	356	3,476	100	430	450	100
		-								

CITY OF DES MOINES
CIP REVENUE SOURCE SUMMARY: 2018-2023

(Amounts in Thousands)

Page #	Project Name	Total Budget	Project to Date 12/31/16	Sched Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
MARINA REVENUES										
139	Marina Dock Replacement	1,400	-	200	200	200	200	200	200	200
131	Dock Electrical Replacements	300	-	60	-	60	60	60	60	-
135	Marina Fiber Optic Cable	150	-	150	-	-	-	-	-	-
133	Flex Conduits & Fuel Hose Replacement	41	-	41	-	-	-	-	-	-
137	Fuel Dispenser	60	-	-	60	-	-	-	-	-
141	Tenant Restroom Replacement	150	-	-	-	-	-	-	-	150
	Total Marina Revenues	2,101	-	451	260	260	260	260	260	350
SURFACE WATER UTILITY										
145	Lower Massey Creek Channel Modification	1,437	1,126	311	-	-	-	-	-	-
143	Barnes Crk/Kent-Des Moines Rd Culvert	1,878	387	336	1,155	-	-	-	-	-
147	S. 251st Street Storm Outfall	370	59	311	-	-	-	-	-	-
151	16th & 17th Place Storm Pipe Connections	175	-	175	-	-	-	-	-	-
153	S. 223rd Stormwater Improvements	328	-	49	279	-	-	-	-	-
149	24th Ave Pipeline Replacement/Upgrade	536	-	52	484	-	-	-	-	-
159	Deepdene Plat Outfall Replacement	410	-	22	388	-	-	-	-	-
155	Pipe Replacement Program	1,312	-	-	49	328	328	328	279	-
157	Pond Safety Improvements	58	-	-	58	-	-	-	-	-
161	5th Ave/212th Street Pipe Upgrade	815	-	-	-	815	-	-	-	-
163	N. Fork McSorley Ck Diversion	432	-	-	-	-	432	-	-	-
165	6th Ave/239th Pipe Replacement	249	-	-	-	-	249	-	-	-
167	14th Ave (268th to 272nd) Pipe Upgrade	478	-	-	-	-	478	-	-	-
169	216th PL/ Marine View Dr. Pipe Upgrade	309	-	-	-	-	-	309	-	-
171	KDM /16th Avenue A Pipe Replacement	272	-	-	-	-	-	272	-	-
173	DMMD 208th to 212th Pipe Project	603	-	-	-	-	-	603	-	-
175	8th Ave (264th to 265th)	270	-	-	-	-	-	-	270	-
177	KDM/16th Ave B Pipe Replacement	880	-	-	-	-	-	-	880	-
179	232nd Street (10th to 14th) Pipe Project	629	-	-	-	-	-	-	-	629
	Total Surface Water Utility	11,441	1,572	1,256	2,413	1,143	1,487	1,512	1,429	629
FACILITY MAJOR MAINT/REPAIR										
25	Building Access System	58	-	-	58	-	-	-	-	-
29	Founders' Lodge Exterior Paint	90	-	-	-	-	90	-	-	-
33	City Hall Canopy Repairs	55	-	-	-	-	55	-	-	-
27	LED Exterior Lighting	34	-	-	-	-	34	-	-	-
31	Engineer Bldg Windows	25	-	-	-	-	25	-	-	-
35	PW Service Center Interior Painting	60	-	-	-	-	-	60	-	-
37	Field House Interior Paint	35	-	-	-	-	-	35	-	-
41	Activity Center Irrigation/Landscape	65	-	-	-	-	-	-	-	65
	Total Facility Major Maint/Repair	422	-	-	58	-	204	95	-	65
LOCAL GRANTS										
145	Lower Massey Creek Channel Modification	427	427	-	-	-	-	-	-	-
99	Barnes Creek Trail	44	44	-	-	-	-	-	-	-
95	Gateway - S 216th Segment 1A	26	26	-	-	-	-	-	-	-
53	Parkside Playground	36	11	25	-	-	-	-	-	-
69	City Park Renovation	95	-	-	95	-	-	-	-	-
71	DMBP Sun Home Lodge Rehab	93	-	-	63	30	-	-	-	-
73	Field House Play Field/Skate Park	151	-	-	-	151	-	-	-	-
67	SJU Play	75	-	-	-	75	-	-	-	-
123	South 240th Street Improve - Seg 1	3,380	-	-	-	-	365	3,015	-	-
127	Kent-Des Moines Rd - Seg 2	3,600	-	-	-	-	-	635	2,965	-
	Total Local Grants	7,927	508	25	158	256	365	3,650	2,965	-

CITY OF DES MOINES
CIP REVENUE SOURCE SUMMARY: 2018-2023

(Amounts in Thousands)

Page #	Project Name	Total Budget	Project to Date 12/31/16	Sched Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
STATE GRANTS (Includes: TIB, RCO, CTED, etc.)										
99	Gateway - S 216th Segment 1A	2,579	2,694	(115)	-	-	-	-	-	-
105	Redondo Board Walk Replacement	1,857	1,801	56	-	-	-	-	-	-
49	BP Picnic Shelter/Restrooms	293	112	181	-	-	-	-	-	-
113	South 216th - Segment 3	3,157	-	329	72	2,756	-	-	-	-
53	Parkside Soil Remediation	200	-	200	-	-	-	-	-	-
59	Kiddie Park Play Equipment	201	-	-	201	-	-	-	-	-
61	Field House Play Equipment	179	-	-	179	-	-	-	-	-
111	Marine View Dr Roundabout	1,486	-	-	100	1,386	-	-	-	-
75	DMBP Sun Home Lodge Rehab	542	-	-	-	542	-	-	-	-
71	SJU Play	167	-	-	-	167	-	-	-	-
83	Redondo Fishing Pier Replace Decking	158	-	-	-	158	-	-	-	-
81	Redondo Floats	70	-	-	-	70	-	-	-	-
79	Beach Park Promenade & Play Equip	380	-	-	-	-	380	-	-	-
127	South 240th Street Improve - Seg 1	2,670	-	-	-	-	370	2,300	-	-
129	South 240th Street Improve - Seg 2	1,750	-	-	-	-	200	1,550	-	-
131	Kent-Des Moines Rd - Seg 2	3,000	-	-	-	-	-	-	3,000	-
85	North Bulkheads	2,000	-	-	-	-	-	-	-	2,000
89	Redondo Restroom & Plaza	200	-	-	-	-	-	-	-	200
Total State Grants		20,889	4,607	651	552	5,079	950	3,850	3,000	2,200
FEDERAL GRANTS (Includes: STP, FMSIB, etc.)										
105	Redondo Board Walk Replacement	2,388	2,386	2	-	-	-	-	-	-
99	Gateway - S 216th Segment 1A	578	578	-	-	-	-	-	-	-
107	South 268th Street Sidewalk	431	430	1	-	-	-	-	-	-
103	Barnes Creek Trail	5,270	352	24	-	-	2,300	-	1,297	1,297
51	Parkside Playground	370	50	320	-	-	-	-	-	-
Total Federal Grants		9,037	3,796	347	-	-	2,300	-	1,297	1,297
PRIVATE CONTRIBUTIONS										
107	South 268th Street Sidewalk	88	88	-	-	-	-	-	-	-
99	Gateway - S 216th Segment 1A	68	68	-	-	-	-	-	-	-
21	Activity Center Exterior Paint	53	-	53	-	-	-	-	-	-
63	Cecil Powell Play Equipment	90	-	-	-	90	-	-	-	-
67	Wooton Park	50	-	-	-	50	-	-	-	-
71	SJU Play	50	-	-	-	50	-	-	-	-
129	South 240th Street Improve - Seg 2	200	-	-	-	-	200	-	-	-
121	Downtown Alley Improvement	100	-	-	-	-	100	-	-	-
79	Beach Park Promenade & Play Equip	15	-	-	-	-	15	-	-	-
127	South 240th Street Improve - Seg 1	250	-	-	-	-	-	250	-	-
131	Kent-Des Moines Rd - Seg 2	250	-	-	-	-	-	-	250	-
Total Private Contributions		1,214	156	53	-	190	315	250	250	-
DEBT PROCEEDS										
99	Gateway - S 216th Segment 1A	325	325	-	-	-	-	-	-	-
Total Debt Proceeds		325	325	-	-	-	-	-	-	-
TOTAL REVENUE SOURCES		82,154	15,220	6,570	5,837	13,079	8,873	13,977	11,424	7,044

INDIVIDUAL PROJECT DETAIL

N. Lot Fishing Pier Paid Parking



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

N. Lot Fishing Pier Paid Parking	310,404	Summary Project Description:
CIP Category: Waterfront Facility Project		Install a "Pay on Leaving" parking system in the north and south parking lots on the Marina floor.
Managing Department: Marina		

Justification/Benefits: The parking lots on the Marina floor are used by thousands of people each year. They come from all over King County to enjoy the scenery, the beach, the park and the Des Moines Creek Trail. The parking lot is also used for parking, location of community events as well as overflow parking for the events held at the Beach Park facilities. Paid parking is an option to pay for the capital and maintenance requirements.

PROJECT SCOPE		ANNUAL ALLOCATION								
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023	
Design	10	-	10							
Land & Right of Way	-	-								
Construction	384	29	355							
Contingency	6	-	6							
Total Expenditures	400	29	371	-	-	-	-	-	-	

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
General Fund	125	125							
REET 2	275		275						
Total Funding	400	125	275	-	-	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT						
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022	2023
Revenue	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-	-

Redondo Paid Parking



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

Redondo Paid Parking	319.611	Summary Project Description:
CIP Category: Waterfront Facility Project		Equip the Redondo parking lot with an automated pay parking system including gates, ticket dispensers and a pay station.
Managing Department: Marina		

Justification/Benefits: Currently this lot operates a seasonal (June - September) "Pay & Display" parking system. This type of parking depends on regular enforcement to make it effective and fair to all who use the lot. Upgrading the lot to a "Pay on Leaving" system where a paid ticket is needed to exit the lot will cut enforcement costs and effectively make the lot a year round operation. Collecting fees all year would increase revenues to help pay for the year round costs of maintaining the facility.

PROJECT SCOPE		ANNUAL ALLOCATION								
Expenditures		Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Design		2	-			2				
Land & Right of Way		-	-							
Construction		-								
Contingency		198				198				
Total Expenditures		200	-	-	-	200	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
REET 1	200	-	-	200	-	-	-	-	-
Total Funding	200	-	-	200	-	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT						
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022	2023
Revenue	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-	-

Activity Center Exterior Paint



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

Activity Center Exterior Paint	506.707	Summary Project Description:
CIP Category: Building Facility Project		Repair the top four foot section of the chimney exterior, replace some of the building's exterior siding and paint the exterior painting of the Activity Center.
Managing Department: Plan, Build & PW Admin		

Justification/Benefits: The exterior paint is faded and flaking off in various places. New paint would enhance the look as well as prevent weather intrusion and further building element deterioration.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	-	-	-	-	-	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-
Construction	53	-	53	-	-	-	-	-	-	-	-
Contingency	-	-	-	-	-	-	-	-	-	-	-
Total Expenditures	53	-	53	-	-	-	-	-	-	-	-
Funding Sources		Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Private Contributions	53	-	53	-	-	-	-	-	-	-	-
Total Funding	53	-	53	-	-	-	-	-	-	-	-
OPERATING IMPACT		ANNUAL OPERATING IMPACT									
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022	2023			
Revenue	-	-	-	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-	-	-	-	-

City Hall Generator



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

City Hall Generator	310.708	Summary Project Description:
CIP Category: Building Facility Project		Install a new permanent 350 Kw optional standby generator behind Public Works Engineering to fully operate City Hall and Engineering (this includes the Mechanic Shop). One Time tax money to come from 2016 Revised Revenue Estimate.
Managing Department: Plan, Build & PW Admin		

Justification/Benefits: The 2006 winter storm season was rather severe. City Hall and Engineering were not operational at times. This optional standby generator will help city staff perform their vital functions during emergency conditions and keep City Hall open to the public.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	-	-	-	-	-	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-
Construction	164	-	164	-	-	-	-	-	-	-	-
Contingency	-	-	-	-	-	-	-	-	-	-	-
Total Expenditures	164	-	164	-	-	-	-	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
One Time Tax (earned in 2016)	164	-	164	-	-	-	-	-	-
Total Funding	164	-	164	-	-	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

Court Security Improvements



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

Court Security Improvements	310	Summary Project Description:
		GR 36 Court Security Improvements

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Justification/Benefits: Improvements need to be made to comply with the Washington State Supreme Court Order.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	54	-	54								
Land & Right of Way	-	-									
Construction	165	-		165							
Contingency	11	-		11							
Total Expenditures	230	-	54	176	-	-	-	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
REET 1	183		54	129					
One Time Tax	47			47					
Total Funding	230	-	54	176	-	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

Police Security Improvements



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

Police Security Improvements	310	Summary Project Description:
CIP Category: Building Facility Project		Police Services Center Lobby Improvements
Managing Department: Plan, Build, & PW Admin		

Justification/Benefits: Improvements need to be made to enhance the lobby security.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	45	-	45								
Land & Right of Way	-	-									
Construction	129	-		129							
Contingency	9	-			9						
Total Expenditures	183	-	45	138	-	-	-	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
REET 1	183	-	45	138					
Total Funding	183	-	45	138	-	-	-	-	-

OPERATING IMPACT						ANNUAL OPERATING IMPACT					
Operating Impact		6 Year Total		2017	2018	2019	2020	2021	2022	2023	
Revenue	-	-	-	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-	-	-	-
Net Impact		-	-	-	-	-	-	-	-	-	-

Building Access System



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

Building Access System	506	Summary Project Description:
CIP Category: Building Facility Project		Expand electronic building access system to include engineering building, parks fieldhouse, activity center, and public works service center. Add city hall court lobby entrance doors and council chamber doors.
Managing Department: IT		

Justification/Benefits: Expanding the electronic system to all building will allow for better access control to buildings and negate the need for issuing keys to staff. It will also give us the capability of locking down building access in the event of an emergency.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	-	-	-	-	-	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-
Construction	50	-	-	50	-	-	-	-	-	-	-
Contingency	8	-	-	8	-	-	-	-	-	-	-
Total Expenditures	58	-	-	58	-	-	-	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Facility Repair & Replace Fund	58	-	-	58	-	-	-	-	-
Total Funding	58	-	-	58	-	-	-	-	-

OPERATING IMPACT		CHIA					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

LED Exterior Lighting



CITY OF DES MOINES
2018-2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

LED Exterior Lighting	506,705	Summary Project Description:	
CIP Category: Building Facility Project		Activity Center	\$4,000
Managing Department: Plan, Build & PW Admin		PW Service Ctr	\$7,200
		City Hall	\$9,100
		PW Engineering	\$2,750
		Police	\$5,200
		Field House	\$3,500
		SJU Park	\$2,100

Justification/Benefits: This is both a maintenance and energy savings measure as well as a vandalism deterrent.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	1	-				1					
Land & Right of Way	-	-									
Construction	30	-				30					
Contingency	3	-				3					
Total Expenditures	34	-	-	-	-	34	-	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Facility Repair & Replace Fund	34	-				34			
Total Funding	34	-	-	-	-	34	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

Founders' Lodge Exterior Paint



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Founders' Lodge Exterior Paint	506	Summary Project Description:
CIP Category: Building Facility Project		Repair siding and paint the outside of the Founders' Lodge.
Managing Department: Plan, Build & PW Admin		

Justification/Benefits: The Founders' Lodge is a revenue producing city rental facility. The exterior paint is deteriorating due to the moist environment that causes moss and algae to grow on the siding and trim. Its current poorly maintained condition is not aesthetically appealing for users.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	-	-	-	-	-	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-
Construction	90	-	-	-	-	90	-	-	-	-	-
Contingency	-	-	-	-	-	-	-	-	-	-	-
Total Expenditures	90	-	-	-	-	90	-	-	-	-	-
Funding Sources		Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Facility Repair & Replace Fund	90	-	-	-	-	90	-	-	-	-	-
Total Funding	90	-	-	-	-	90	-	-	-	-	-
OPERATING IMPACT		ANNUAL OPERATING IMPACT									
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022	2023			
Revenue	-	-	-	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-	-	-	-	-

Engineer Bldg Windows



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

Engineer Bldg Windows	506,200
Summary Project Description: Replace upstairs windows and Information Systems' windows.	

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Justification/Benefits: The existing single pane windows are not energy efficient and most do not have screens to keep the bugs out and some are extremely hard to open and close. New energy efficient windows would save on energy costs and prevent bugs from entering the building when opened.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	-	-	-	-	-	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-
Construction	25	-	-	-	-	25	-	-	-	-	-
Contingency	-	-	-	-	-	-	-	-	-	-	-
Total Expenditures	25	-	-	-	-	25	-	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Facility Repair & Replace Fund	25	-	-	-	-	25	-	-	-	-	-
Total Funding	25	-	-	-	-	25	-	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT									
Operating Impact	6 Year Total	0	2017	2018	2019	2020	2021	2022	2023		
Revenue	-	-	-	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-	-	-	-	-

City Hall Canopy Repairs



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

City Hall Canopy Repairs	506	Summary Project Description: Repair the structural timbers and steel beams to prevent further deterioration while maintaining the same aesthetic look of the walkway.
CIP Category: Building Facility Project		
Managing Department: Plan, Build & PW Admin		

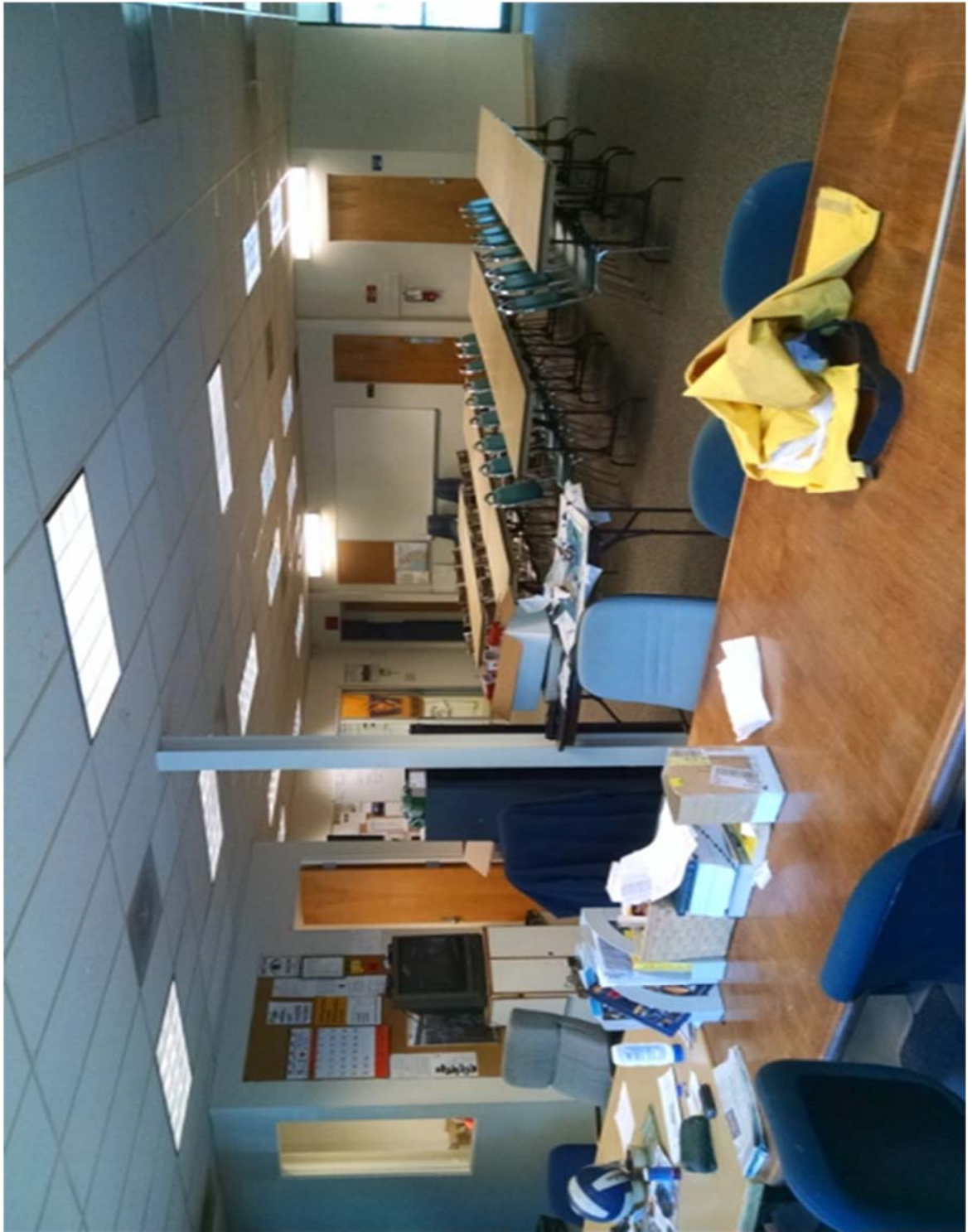
Justification/Benefits: The existing walkway canopy has structural defects in the wooden timbers.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	16	-				16					
Land & Right of Way	-	-									
Construction	34	-				34					
Contingency	5	-				5					
Total Expenditures	55	-	-	-	-	55	-	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Facility Repair & Replace Fund	55	-	-	-	-	55	-	-	-
Total Funding	55	-	-	-	-	55	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT						
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022	2023
Revenue	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-	-

PW Service Center Interior Painting



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

PW Service Center Interior Painting	506	Summary Project Description:
Paint the interior of the PW Service Center.		

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Justification/Benefits: It has been many years since the inside has been painted. New paint would improve the interior looks and make the building more presentable for the meetings and classes held there.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	-	-	-	-	-	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-
Construction	60	-	-	-	-	-	60	-	-	-	-
Contingency	-	-	-	-	-	-	-	-	-	-	-
Total Expenditures	60	-	-	-	-	-	60	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Facility Repair & Replace Fund	60	-	-	-	-	-	60	-	-
Total Funding	60	-	-	-	-	-	60	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

Field House Interior Paint



**CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

Field House Interior Paint	506	Summary Project Description:
CIP Category: Building Facility Project		Paint the inside of the Field House.
Managing Department: Plan, Build & PW Admin		

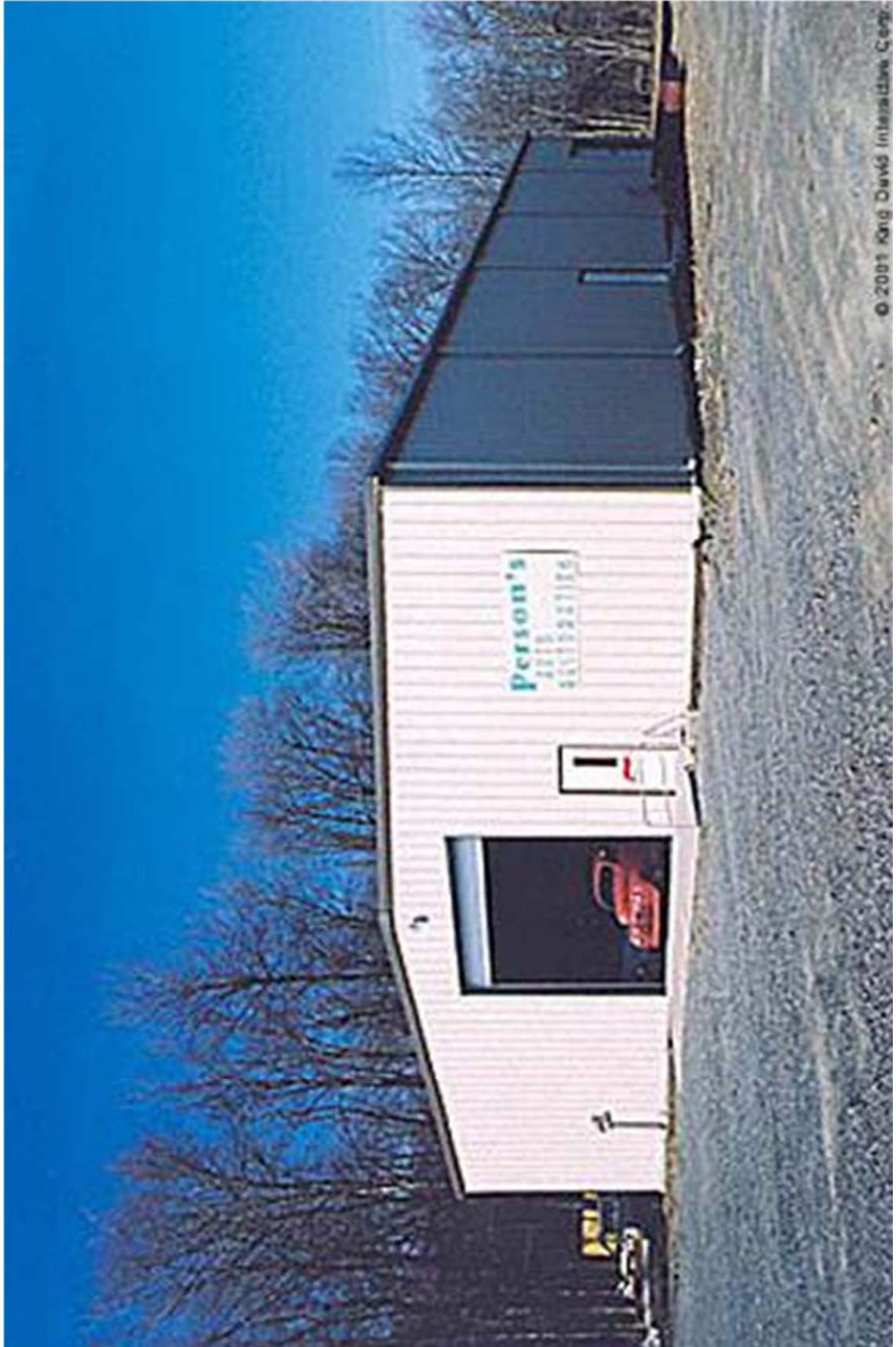
Justification/Benefits: It has been some time since the last painting. This building is used quite heavily by the public. New paint would enhance the interior looks for renters and daily users.

PROJECT SCOPE		ANNUAL ALLOCATION							
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Design	-	-	-	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-
Construction	35	-	-	-	-	-	35	-	-
Contingency	-	-	-	-	-	-	-	-	-
Total Expenditures	35	-	-	-	-	-	35	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Facility Repair & Replace Fund	35	-	-	-	-	-	35	-	-
Total Funding	35	-	-	-	-	-	35	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

Police Dept Storage Building



CITY OF DES MOINES
2018-2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

Police Dept Storage Building	310	Summary Project Description:
CIP Category: Building Facility Project		Construction of a new building behind the existing City Shop and Engineering offices to store property seized by police actions.
Managing Department: Plan, Build & PW Admin		

Justification/Benefits: Police currently store their seized property in the warehouse behind the City Shop and Engineering offices. This causes other City equipment to be stored elsewhere. This new building will accommodate the PD needs and will allow for better usage of the existing storage building.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	60	-	-	-	-	-	-	-	-	60	
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	
Construction	340	-	-	-	-	-	-	-	-	340	
Contingency	45	-	-	-	-	-	-	-	-	45	
Total Expenditures	445	-	-	-	-	-	-	-	-	445	

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
REET 1	445	-	-	-	-	-	-	-	445
Total Funding	445	-	-	-	-	-	-	-	445

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

Activity Center Irrigation/Landscape



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Activity Center Irrigation/Landscape	310	Summary Project Description: Irrigate and landscape the front lawn area between the building and South 216th Street.
CIP Category: Building Facility Project		
Managing Department: Plan, Build & PW Admin		

Justification/Benefits: Now that South 216th has been improved and the Civic Readerboard is functional; irrigation and landscaping the front lawn area will make the facility more appealing to the public and potential renter groups.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	9	-	-	-	-	-	-	-	9		
Land & Right of Way	-	-	-	-	-	-	-	-	-		
Construction	53	-	-	-	-	-	-	-	53		
Contingency	3	-	-	-	-	-	-	-	3		
Total Expenditures	65	-	-	-	-	-	-	-	65		

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Facility Repair & Replace Fund	65	-	-	-	-	-	-	-	65		
Total Funding	65	-	-	-	-	-	-	-	65		

OPERATING IMPACT		ANNUAL OPERATING IMPACT						
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022	2023
Revenue	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-
Net Impact		-	-	-	-	-	-	-

City Hall Parking Lot



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

City Hall Parking Lot	310	Summary Project Description:
CIP Category: Building Facility Project		Rebuild Northwest, Southwest, Southern and Eastern City Hall parking lots. Provide ADA access to the lots. The existing Southern ecology block wall will be rebuilt prior to parking lot construction work.
Managing Department: Plan, Build & PW Admin		

Justification/Benefits: A design for these parking lots was completed in 2007. The results of the design were that an overlay that would be insufficient to solve the existing degradation. As a result, a total rebuild of these parking lots needs to take place. The Western parking lots, as well as ADA ramp retrofits, will be included.

PROJECT SCOPE		ANNUAL ALLOCATION							
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Design	30	-	-	-	-	-	-	-	30
Land & Right of Way	-	-	-	-	-	-	-	-	-
Construction	206	-	-	-	-	-	-	-	206
Contingency	24	-	-	-	-	-	-	-	24
Total Expenditures	260	-	-	-	-	-	-	-	260

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
REET 1	260	-	-	-	-	-	-	-	260
Total Funding	260	-	-	-	-	-	-	-	260

OPERATING IMPACT		ANNUAL OPERATING IMPACT						
Operating Impact		2017	2018	2019	2020	2021	2022	2023
Revenue	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-
Net Impact		-	-	-	-	-	-	-

BP Picnic Shelter/Restrooms



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

BP Picnic Shelter/Restrooms	310,061	Summary Project Description:
CIP Category: Park Facility Projects		Rehabilitate the Picnic Shelter and Restroom including building a new stem wall, update mechanical, electrical and plumbing systems, fixtures, interior, exterior finishes and drainage to serve the high volume Beach Park and Des Moines Creek Trail Park users. The project is part of a multi-phased plan to rehabilitate the historic buildings. It is a high priority for the general public and for the full utilization of the Event Center to maximize rental revenues that are needed to sustain the park and its buildings.
Managing Department: Parks, Recr & Sr Services		

Justification/Benefits: Des Moines Beach Park is listed on the State and National Historic Register. Expert analysis was completed in 2004 regarding the prioritized and phased rehabilitation of the park's assets. This project was rated as a priority one project in the 2010 - 2015 Parks, Recreation and Senior Services Master Plan.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	84	69	15								
Land & Right of Way	-	-									
Construction	522	173	349								
Contingency	17	-	17								
Total Expenditures	623	242	381	-	-	-	-	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
REET 1	41		117	(54)	(22)				
King County Park Levy	289	129	84	54	22				
State of Washington Grants	293	112	181						
Total Funding	623	241	382	-	-	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

Parkside Playground



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

Parkside Playground	310.062	Summary Project Description: Redesign and upgrades to this park -- new paths, play equipment, sport court upgrades.
CIP Category: Park Facility Projects		
Managing Department: Parks, Recr & Sr Services		

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	84	59	25								
Land & Right of Way	-	-									
Construction	424	13	411								
Contingency	-	-									
Total Expenditures	508	72	436	-	-	-	-	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
REET 2	102	11	91						
Local Grants (County, etc.)	36	11	25						
Federal Grants	370	50	320						
Total Funding	508	72	436	-	-	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

Parkside Soil Remediation



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Parkside Soil Remediation	310.065	Summary Project Description:
CIP Category: Park Facility Projects		Removal of contaminated soils and replacement with new clean soils as part of the Parkside Playground project.
Managing Department: Parks, Recr & Sr Services		

Justification/Benefits:

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	-										
Land & Right of Way	-										
Construction	197	-	197								
Contingency	5		5								
Total Expenditures	202	-	202	-	-	-	-	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
REET 2	2		2						
State of Washington Grants	200		200						
Total Funding	202	-	202	-	-	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

Field House Tennis Court



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

Field House Tennis Court	310.057	Summary Project Description:
CIP Category: Park Facility Projects		Repaint the tennis court at the Field House.
Managing Department: Parks, Recr & Sr Services		

Justification/Benefits: The court was last painted approximately 15 years ago.

PROJECT SCOPE				ANNUAL ALLOCATION									
Expenditures		Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023			
Design		-	-										
Land & Right of Way		-	-										
Construction		25	-	25									
Contingency		-	-										
Total Expenditures		25	-	25	-	-	-	-	-	-			

Funding Sources		Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
REET 1		25	-	25						
Total Funding		25	-	25	-	-	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT									
Operating Impact		6 Year Total	2017	2018	2019	2020	2021	2022	2023		
Revenue		-	-	-	-	-	-	-	-	-	
Expenses		-	-	-	-	-	-	-	-	-	
Net Impact		-	-	-	-	-	-	-	-	-	

Midway Play



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

Midway Park Play Equipment	310	Summary Project Description:
CIP Category: Park Facility Projects		Repair the 13 year old play equipment to meet safety and ADA standards.
Managing Department: Parks, Recr. & Sr. Services		

Justification/Benefits: Midway Park was renovated in 2004. The play equipment is 13 years old and needs minor repairs. This is a priority in the 2010 and 2016 Parks, Recreation and Senior Services Master Plans.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	2		2								
Land & Right of Way	-										
Construction	20			20							
Contingency	3			3							
Total Expenditures	25	-	2	23	-	-	-	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
REET 2	25		2	23					
Total Funding	25	-	2	23	-	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT						
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022	2023
Revenue	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-	-

Kiddie Park Play Equipment



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

Kiddie Park Play Equipment	310	Summary Project Description:
CIP Category: Park Facility Projects		Replace play equipment to meet safety and ADA standards. Equipment from City Park will be removed and new equipment will be relocated to Kiddie Park. (City Park and Kiddie Park are both city-owned, adjacent properties.)
Managing Department: Parks, Recr. & Sr. Services		

Justification/Benefits: Kiddie Park was built in 1987. The play equipment is 30 years old and the location is not ADA accessible. It does not meet current safety and ADA requirements. This is a priority in the 2010 and 2016 Parks, Recreation and Senior Services Master Plans.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	27		27			-					
Land & Right of Way	-					-					
Construction	185			185							
Contingency	16										
Total Expenditures	228		27	201							

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
REET 2	27		27						
State of Washington Grants (Unconfirmed)	201			201					
Total Funding	228		27	201					

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

Field House Play Equipment



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

Field House Play Equipment	310	Summary Project Description:
		Replace a portion of the aging play structure. Park renovation will include ADA compliance. There is a companion project for the repair to the skate park and ballfield drainage.

CIP Category: Park Facility Projects

Managing Department: Parks, Recr & Sr Services

Justification/Benefits: Replace a portion of the aging play structure for safety reasons. Field House Park was transferred to the city by King County in 1993. The portion of the play equipment currently on site was purchased by the Des Moines Rotary Club and installed at the Beach Park in 1996. Later it was removed and stored until repainted and reinstalled in 2008. Some of the equipment doesn't meet current Play Equipment safety and ADA standards and must be replaced.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	15	-	15								
Land & Right of Way	-	-									
Construction	164	-		164							
Contingency	15	-		15							
Total Expenditures	194	-	15	179	-	-	-	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
REET 2	15		15						
State of Washington Grants (Unconfirmed)	179			179					
Total Funding	194	-	15	179	-	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

Cecil Powell Play Equipment



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

Cecil Powell Play Equipment	310	Summary Project Description:
CIP Category: Park Facility Projects		Replace the play structure that was removed for safety reasons due to age and deterioration. Park renovation will include ADA compliance, picnic table and bench replacement. Based on condition and remaining lifecycle, the Kompan ship play structure currently located at Field House Park may be relocated to Cecil Powell Park, reducing the amount of community contribution needed for improvements to this park for play equipment.
Managing Department: Parks, Recr & Sr Services		

Justification/Benefits: Cecil Powell Park was transferred to the city by the Powell family in 1991. The play equipment is over 25 years old, in poor condition and doesn't meet current Play Equipment ASTM and ADA standards. The installation of new equipment will require meeting current ADA access standards.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	13	-	13								
Land & Right of Way	-	-									
Construction	82	-			82						
Contingency	8	-			8						
Total Expenditures	103	-	13	-	90	-	-	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
REET 2	13		13						
Private Contributions	90				90				
Total Funding	103	-	13	-	90	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

Westwood Play Equipment



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Westwood Play Equipment	310	Summary Project Description:
CIP Category: Park Facility Projects		Replace the wooden play structure for safety reasons due to age and wood structure deterioration. Park renovation will include ADA compliance, picnic table and bench replacement.
Managing Department: Parks, Recr & Sr Services		

Justification/Benefits: The wooden play structure needs to be replaced due to age and deterioration. Westwood Park was constructed by a developer in the early 2000's. The wooden play equipment is over 15 years old and becoming a safety hazard. The installation of new equipment will require meeting new ADA access requirements. Westwood Park is one of two small parks that serve the North Hill population of 5,100 residents.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	7	-	7								
Land & Right of Way	-	-									
Construction	54	-			54						
Contingency	6	-			6						
Total Expenditures	67	-	7	-	60	-	-	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
REET 2	67	-	7		60				
Total Funding	67	-	7	-	60	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

Wooton Park Play Equipment



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Wooton Park	310.066	Summary Project Description:
CIP Category: Park Facility Projects		Replace play equipment and picnic shelter. The park's play equipment is over 25 years old, outdated and replacement parts are not available. The park was assessed in 2008 as part of the 2010 Master Plan update. Findings identified that the play equipment needed replacement, the wooden gazebo was not sturdy and needs to be removed or replaced, the site furnishings need to be upgraded and the pathways need refurbishing.
Managing Department: Parks, Recr & Sr Services		

Justification/Benefits: Wooton Park was transferred to the City from King County due to annexation in 1997. Wooton Park is the park facility serving the Redondo neighborhood of 1,600 and thousands of visitors annually. This project was a number one project in the 2010 - 2015 Parks, Recreation and Senior Services Master Plan. The park's play equipment is over 25 years old, outdated and replacement parts are not available. The park was assessed as part of the 2010 and 2016 Master Plan updates. Findings identified that the play equipment needed replacement as soon as possible. The wooden gazebo and site furnishings need to be upgraded and the pathways need refurbishing as well.

PROJECT SCOPE		ANNUAL ALLOCATION									
		Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design		-	18								
Land & Right of Way		-									
Construction		-			93	81					
Contingency		-				18					
Total Expenditures		-	18	-	93	99	-	-	-	-	-

Funding Sources		Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
			18		43	99			
REET 2									
Private Contributions					50				
Total Funding		-	18	-	93	99	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
		2017	2018	2019	2020	2021	2022
Operating Impact	6 Year Total	-	-	-	-	-	-
Revenue		-	-	-	-	-	-
Expenses		-	-	-	-	-	-
Net Impact		-	-	-	-	-	-

CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

Water Tower Park Play Equipment	Summary Project Description:
CIP Category: Park Facility Projects Managing Department: Parks, Recr & Sr Services	Replace the play structure and sand surfacing. Park renovation will include ADA compliance.

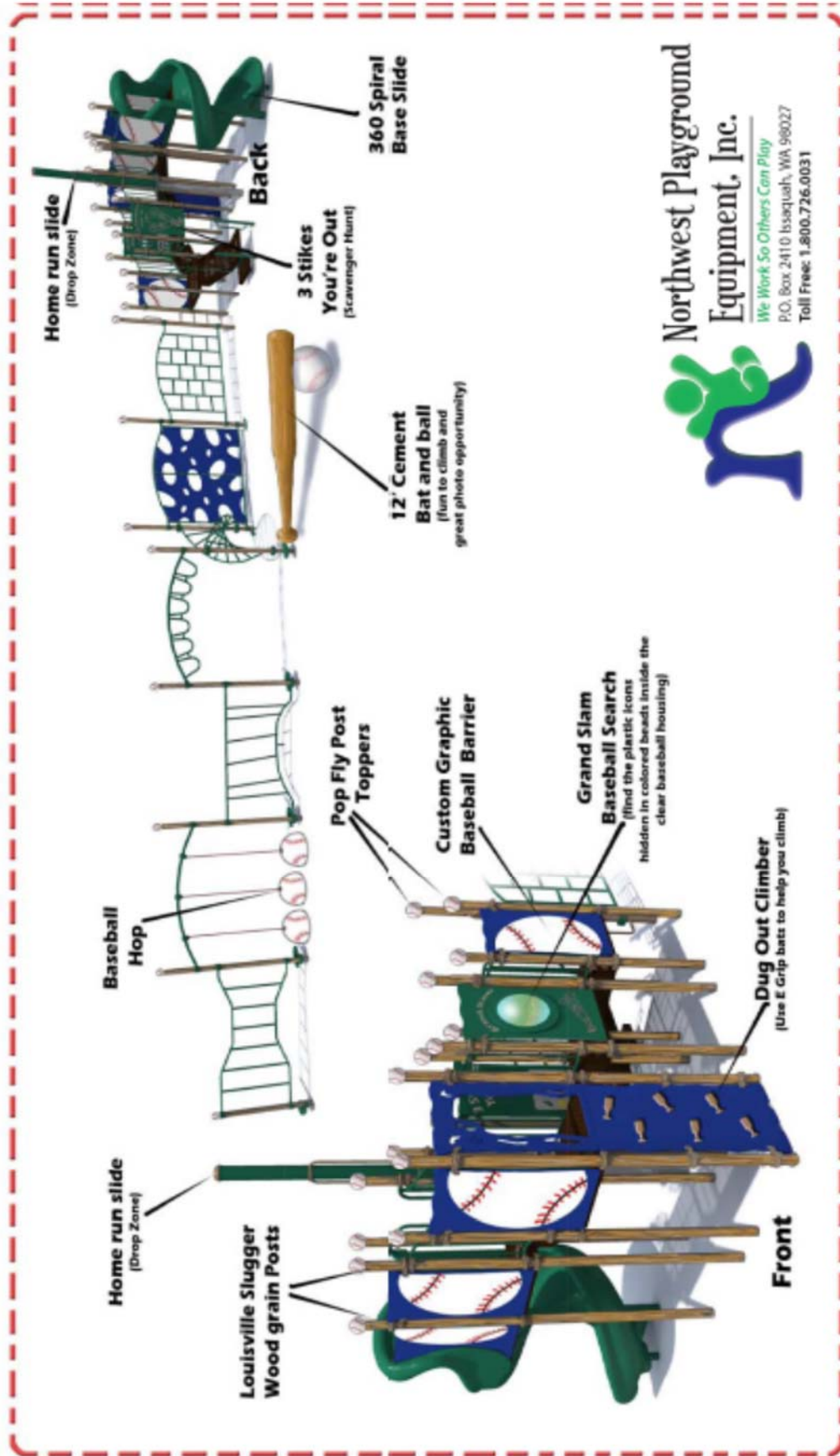
Justification/Benefits: The 20 year old Water Tower Park play equipment was installed by the Des Moines Rotary Club in the 1990s. The installation of new equipment will require meeting ADA access requirements. This play equipment is in the best condition of those in the system and could be postponed for up to 5 years, however, the sand play surfacing must be addressed. Water Tower Park is one of two small neighborhood parks that serve the North Hill population of 5,100 residents.

PROJECT SCOPE		ANNUAL ALLOCATION							
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Design	6		6						
Land & Right of Way	-								
Construction	55					55			
Contingency	5					5			
Total Expenditures	66		6			60			

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
REET 2	66		6			60			
Total Funding	66		6			60			

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

Steven J. Underwood Park Play Equipment



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

SJU Play	310	Summary Project Description:
		Install play equipment.

CIP Category: Park Facility Projects

Managing Department: Parks, Recr & Sr Services

Justification/Benefits: Steven J Underwood Park is a top priority Community Park which has heavy family use. The park is heavily used for youth sporting activities by families with children. A play area is included in the park's master plan due to the thousands of family visits to the park annually.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	67	-	67								
Land & Right of Way	-	-									
Construction	300	-			300						
Contingency	34	-			34						
Total Expenditures	401	-	67	-	334	-	-	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
REET 2	109		67		42				
Local Grants (County, etc.)	75				75				
State of Washington Grants (Unconfirmed)	167				167				
Private Contributions	50				50				
Total Funding	401	-	67	-	334	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

City Park Renovation



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

City Park Renovation	310	Summary Project Description:
CIP Category: Park Facility Projects		Renovate City Park adjacent to Kiddie Park by repairing walking paths, replacing two small bridges over the creek and removing invasive plants for user safety. (City Park and Kiddie Park are both city-owned, adjacent properties.)
Managing Department: Parks, Recr. & Sr. Services		

Justification/Benefits: City Park is the first Des Moines Park amenities such as trails and bridges were built by Boy Scout volunteers. There is no parking and the park is overgrown with invasive plants. It does not meet current safety and ADA requirements. This is a priority in the 2010 and 2016 Parks, Recreation, and Senior Services Master Plans.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	8			8							
Land & Right of Way	-										
Construction	80			80							
Contingency	7			7							
Total Expenditures	95			95							

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Local Grants (County, etc.)	95			95					
Total Funding	95			95					

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

DMBP Sun Home Lodge Rehab



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

DMBP Sun Home Lodge Rehab	310.056	Summary Project Description:
CIP Category: Park Facility Projects		Rehabilitation of the Sun Home Lodge for its continued use as a recreation facility. Will include lifting the building, connecting new utilities (electrical, gas, phone, cable, water and sewer), constructing a new foundation, decking, exterior stairway and minor interior improvements. Additional interior building remodel work would be completed in future phases. This project relies on funding support from King County and Washington State. \$459K previously expended Picnic Shelter/Restroom funds will provide additional match for the project.
Managing Department: Parks, Recr & Sr Services		

Justification/Benefits: King County has just announced that it will provide up to \$20M bonds for the rehabilitation of historic properties. These funds and past Beach Park expenditures could provide match for a Washington Heritage Capital Grant to lift and construct a new foundation for the Sun Home Lodge. The Sun Home Lodge is in desperate need of life and safety repairs for its continued use as a recreation facility. Funds available will not provide for major interior remodel work. The Des Moines Beach Park is listed on the State and National Historic Register.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	66			66							
Land & Right of Way	-										
Construction	505				505						
Contingency	67				67						
Total Expenditures	638	-	-	66	572	-	-	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
REET 1	3			3					
Local Grants (County, etc.)	93			63	30				
State of Washington Grants (Unconfirmed)	542				542				
Total Funding	638	-	-	66	572	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

Field House Play Field/Skate Park



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

Field House Play Field/Skate Park	310	Summary Project Description:
CIP Category: Park Facility Projects		Repair drainage in Field 1 and Field 2 outfields; repair Field 2 backstop fencing, repair worn concrete skate park edges with steel. Park renovation will include ADA compliance. This is a companion project for the play equipment replacement project.
Managing Department: Parks, Recr & Sr Services		

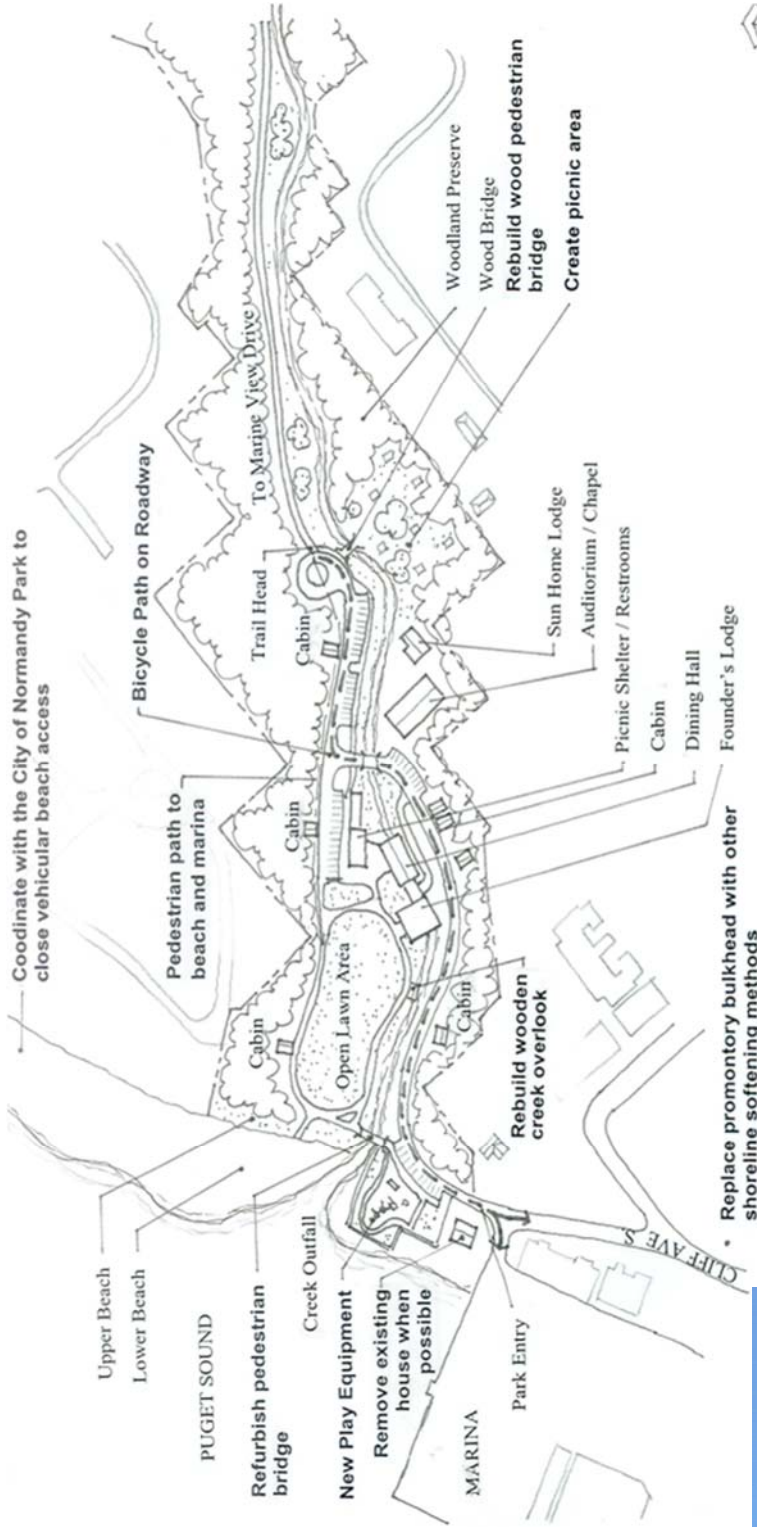
Justification/Benefits: Repair field drainage is needed for safe playing conditions. Poor drainage creates pools of mud and rutting as well as program rainouts. There are very few fields for baseball, softball and soccer in Des Moines. The skate park was built in 1996 and needs a facelift for continued use and skater safety. Funding for these projects would come from a King County Youth Sports Grant and CDBG Grant as match.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	13				13						
Land & Right of Way	-										
Construction	125				125						
Contingency	13				13						
Total Expenditures	151				151						

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Local Grants (County, etc.)	151				151				
Total Funding	151				151				

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

Beach Park Promenade & Play Equipment



Proposed Conditions
Existing Conditions

- Improve lawn quality and upgrade irrigation
- Maintain, repair/restore and update all park buildings
- Connect creek trail / path to Marina along Waterfront
- Replace old King County interpretative signs with updated signs
- Replace promontory bulkhead with other shoreline softening methods
- Rehabilitate all cabins
- Resurface Paths
- Improve ADA parking
- Remove invasives throughout park
- Replant around buildings with native plants



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Beach Park Promenade & Play Equip	310
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Summary Project Description:

Construct play equipment or water feature at the Des Moines Beach Park. Project also includes possible improvements for a promenade once the utilization or disposition of the Wasson property is decided.

CIP Category: Park Facility Projects

Managing Department: Parks, Recr & Sr Services

Justification/Benefits: Des Moines Beach Park was purchased with funds from the City, King County and State of Washington for park uses in perpetuity. The Park serves the region as one of 6 waterfront parks located on Puget Sound between Tacoma and Seattle. The park is visited by hundreds of thousands of visitors annually. This project was a number one project in the 2010 and 2016 Parks, Recreation and Senior Services Master Plans to provide enhanced public access to and enjoyment of the Puget Sound as identified in the 1988 Des Moines Beach Park Master Plan and subsequent Master Plans since that time. Play equipment installed in the meadow by the Rotary Club of Des Moines in 1996 was removed from the Beach Park in the 2000's due to multiple flooding events and the need to make infrastructure improvements, creek modifications and rehabilitate historic buildings.

PROJECT SCOPE	
Expenditures	Total Budget
Design	90
Land & Right of Way	-
Construction	605
Contingency	80
Total Expenditures	775

ANNUAL ALLOCATION									
Project to Date	Scheduled Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year
12/31/16	2017	2018	2019	2020	2021	2022	2023		
-			90						
-									
-				605					
-				80					
-	-	-	90	685	-	-	-	-	-

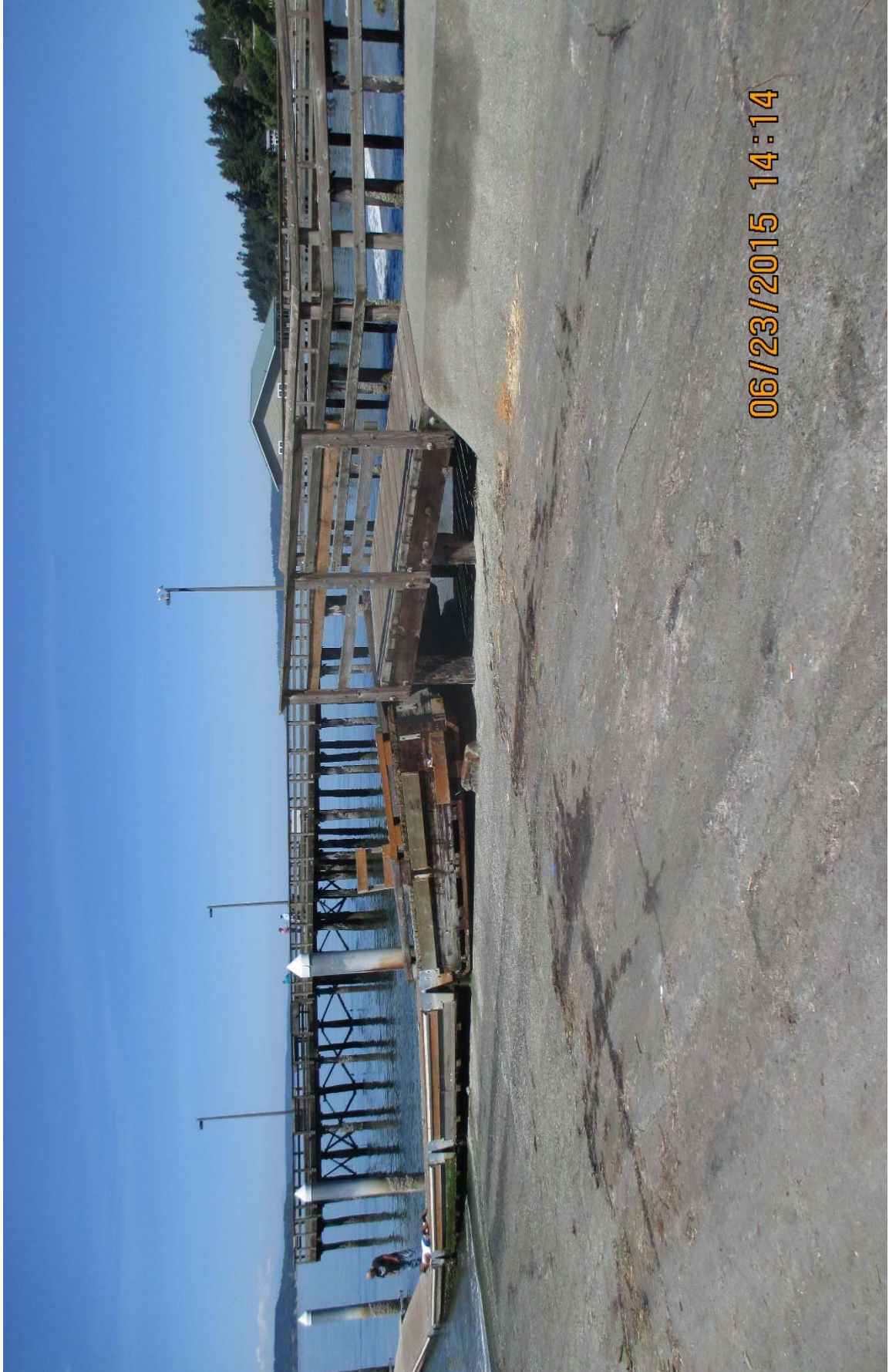
Funding Sources	Total Budget
Park in-Lieu	380
State of Washington Grants (Unconfirmed)	380
Private Contributions	15
Total Funding	775

Project to Date	Scheduled Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year
12/31/16	2017	2018	2019	2020	2021	2022	2023		
-			90	290					
-				380					
-				15					
-	-	-	90	685	-	-	-	-	-

OPERATING IMPACT	
Operating Impact	6 Year Total
Revenue	-
Expenses	-
Net Impact	-

ANNUAL OPERATING IMPACT					
	2017	2018	2019	2020	2021
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

Redondo Floats



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

Redondo Floats	310	Summary Project Description:
CIP Category: Waterfront Facility Project Managing Department: Marina		Replace the last of the old floats. Demolish the old concrete brow and replace with a new one that would accommodate the new floats and increase the width of the ramp by 3 feet. Replace all the pile hoops with a better design and clean up rock revetment on both sides of the ramp.

Justification/Benefits: The Marina staff has been building new boarding floats for the Redondo Boat Launching Ramp for several years, replacing one or two a year. The new floats replace the original floats that were built in 1980. There is one more old float to replace, but it will also be necessary to remove and replace the concrete brow that anchors the floats to the shore because the new floats are narrower than the original floats. The new floats were designed to be narrower than the original floats in order to increase the width of the ramp to a true two lane launching ramp.

ANNUAL ALLOCATION											
Project to Date	Scheduled Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year
12/31/16	2017	2018	2019	2020	2021	2022	2023				
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	100	-	-	-	-	-	-	-	-
-	-	-	10	-	-	-	-	-	-	-	-
-	-	-	110	-	-	-	-	-	-	-	-

ANNUAL ALLOCATION											
Project to Date	Scheduled Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year
12/31/16	2017	2018	2019	2020	2021	2022	2023				
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	40	-	-	-	-	-	-	-	-
-	-	-	70	-	-	-	-	-	-	-	-
-	-	-	110	-	-	-	-	-	-	-	-

ANNUAL OPERATING IMPACT						
Operating Impact	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-
Expenses	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-

Redondo Fishing Pier Replace Decking



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Redondo Fishing Pier Replace Decking	310
CIP Category: Waterfront Facility Project	
Managing Department: Marina	

Summary Project Description:
Replace the wood decking with a concrete deck. Repair pile caps and additional piling where needed in conjunction with installation of the concrete deck. 12 New piles \$100,000; Demo and replace deck \$100,000 plus contingency.

Justification/Benefits: The Pier is now 35 years old and the wood decking has reached the end of its useful life. Concrete decking is easier and cheaper to maintain as well as providing a much safer walking surface.

PROJECT SCOPE	
Expenditures	Total Budget
Design	-
Land & Right of Way	-
Construction	200
Contingency	25
Total Expenditures	225

ANNUAL ALLOCATION									
Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	200	-	-	-	-	-	-
-	-	-	25	-	-	-	-	-	-
-	-	-	225	-	-	-	-	-	-

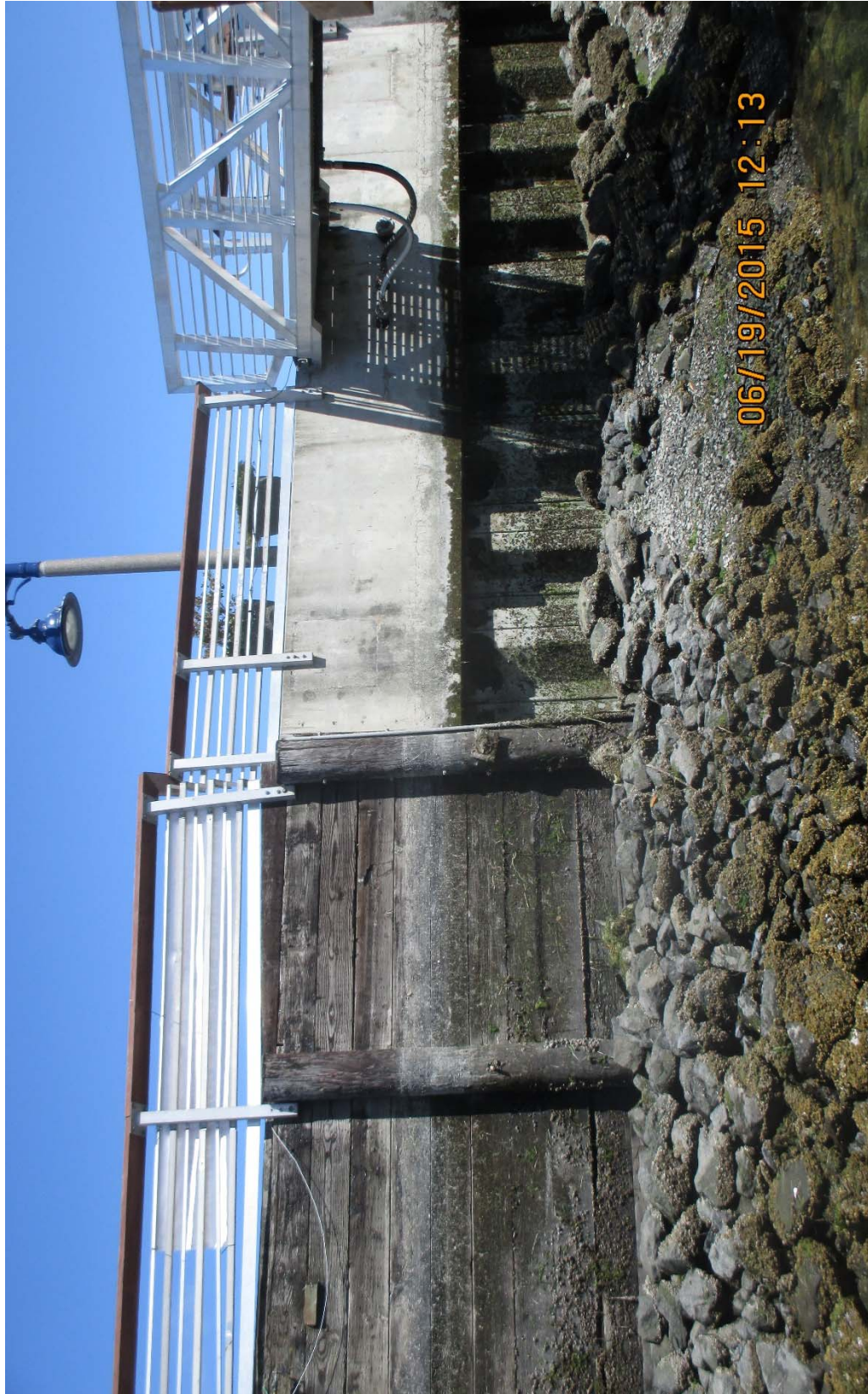
Funding Sources	
	Total Budget
REET 2	67
State of Washington Grants (Unconfirmed)	158
Total Funding	225

Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
-	-	-	67	-	-	-	-
-	-	-	158	-	-	-	-
-	-	-	225	-	-	-	-

OPERATING IMPACT	
Operating Impact	6 Year Total
Revenue	-
Expenses	-
Net Impact	-

ANNUAL OPERATING IMPACT						
	2017	2018	2019	2020	2021	2023
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-

North Lot & Beach Park Bulkheads



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

North Bulkheads	310	Summary Project Description:
CIP Category: Waterfront Facility Project		Replace the north bulkhead in the north parking lot and replace or repair sections of the bulkhead and revetment in front of the Beach Park. Remove unsuitable revetment material from the beach and include wider sidewalks and pedestrian amenities.
Managing Department: Marina		

Justification/Benefits: Bulkheads are aged and damaged by storm activities which require periodic spot rebuilding. Replacing the bulkheads will provide long-term protection with lower maintenance costs. It would also improve public access to the beach from both the north parking lot and the Beach Park.

PROJECT SCOPE			ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023			
Design	100	-	-	-	-	-	100	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	3,000	-	-	-	-	-	-	3,000	-	-	-	-
Contingency	-	-	-	-	-	-	-	-	-	-	-	-
Total Expenditures	3,100	-	-	-	-	-	100	3,000	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023			
REET 1	1,100	-	-	200	200	200	200	200	300	-	-	-
State of Washington Grants (Unconfirmed)	2,000	-	-	-	-	-	-	2,000	-	-	-	-
Total Funding	3,100	-	-	200	200	200	200	2,300	-	-	-	-

OPERATING IMPACT			ANNUAL OPERATING IMPACT						
Operating Impact	6 Year Total		2017	2018	2019	2020	2021	2022	2023
Revenue	-	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-	-	-

North Pier Restrooms



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

N Pier Restrooms	310	Summary Project Description:
CIP Category: Waterfront Facility Project		Demolish existing restroom and shower building located next to Marina office and the existing restrooms located near the fishing pier and replace them with 6 module unisex toilet, sink, shower units at a location centrally located to both areas but which will be outside (and therefore not conflict with) the Marina Zone 2 (Economic Development Zone). The unisex style units would include a toilet and sink and at least two units would also include a shower that would be operated with tokens issued by the Marina office.
Managing Department: Marina		

Justification/Benefits: Existing restrooms are significantly deteriorated and need to be replaced. These restrooms are for public access (including patrons of the marina guest moorage).

PROJECT SCOPE		ANNUAL ALLOCATION							
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Design	-	-	-	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-
Construction	247	-	-	-	-	-	-	247	-
Contingency	3	-	-	-	-	-	-	3	-
Total Expenditures	250	-	-	-	-	-	-	250	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
REET 2	250	-	-	-	-	-	-	250	-
Total Funding	250	-	-	-	-	-	-	250	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

Redondo Restroom & Plaza



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

Redondo Restroom & Plaza	310	Summary Project Description:
		Demolish existing restroom and replace with smaller pre-fab structure across the street. Replace restroom foundation with surface similar to rest of plaza and add railings. \$250,000 for pre-fab restroom and \$150,000 for ground restoration.

CIP Category: Waterfront Facility Project

Managing Department: Marina

Justification/Benefits: The existing restrooms are 35 years old and are functionally obsolete. The restrooms are built on a pier with all of the plumbing hanging below the structure where it can and has been destroyed by storms.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	-	-	-	-	-	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-
Construction	400	-	-	-	-	-	-	-	-	-	400
Contingency	-	-	-	-	-	-	-	-	-	-	-
Total Expenditures	400	-	-	-	-	-	-	-	-	-	400

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
REET 2	200	-	-	-	-	-	-	-	200
State of Washington Grants (Unconfirmed)	200	-	-	-	-	-	-	-	200
Total Funding	400	-	-	-	-	-	-	-	400

OPERATING IMPACT		ANNUAL OPERATING IMPACT						
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022	2023
Revenue	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-	-

Arterial Street Pavement Preservation



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

Arterial Street Pavement Preservation	102,102
CIP Category: Transportation - Operating Project Managing Department: Plan, Build & PW Admin	
Summary Project Description: Maintain and preserve the integrity of the City's existing roadway surfaces through a combination of pavement rehabilitation measures, such as chip seals, patches and overlays.	

Justification/Benefits: The City's Comprehensive Transportation Plan has identified the Pavement Management Program as a high priority. A major component of this program are pavement maintenance and rehabilitation projects. These projects are intended to protect and preserve the surface condition and help maintain the structural integrity of roadways. With proper maintenance, asphalt pavement has a design life of 20 to 25 years. There are approximately 100 centerline miles of roadway. Given the design life of pavement, the Pavement Management Program should strive to maintain at least 4 to 5 centerline miles of roadway bi-annually, if resources are available.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	184	-	64	20	20	20	20	20	20		20
Land & Right of Way	-	-	-	-	-	-	-	-	-		-
Construction	6,522	-	-	1,142	895	895	895	895	895		1,800
Contingency	66	-	-	16	10	10	10	10	10		10
Total Expenditures	6,772	-	64	1,178	925	925	925	925	925	1,830	

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Transportation Benefit District	3,450	347	373	455	455	455	455	455	455
Franchise Fees	3,322		502	470	470	470	470	470	470
Total Funding	6,772	347	875	925	925	925	925	925	925

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

Arterial Traffic Calming Project



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

Arterial Traffic Calming	319.619
CIP Category: Transportation - Capital Project Managing Department: Plan, Build & PW Admin	
Summary Project Description: Install arterial traffic calming devices such as permanent radar speed signs, road rechannelization, speed cushions, and other appropriate devices for use on arterial streets. These devices are intended for higher volume roads and emergency response routes which have different characteristics than local roads. Locations are yet to be determined and based on operational characteristics.	

Justification/Benefits: Arterial traffic calming devices have been shown to potentially reduce operational speeds and bring awareness to the motoring public. Lower operating speeds can improve the traffic safety for vehicle users as well as pedestrians using adjacent facilities.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	15		5	10							
Land & Right of Way	-										
Construction	165		25	140							
Contingency	-										
Total Expenditures	180	-	30	150	-	-	-	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
General Fund (Red Light Runner)	150			150					
ASE (Automatic Speed Enforcement) GF X-fer	30		30						
Total Funding	180	-	30	150	-	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

Sidewalk Program



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

Sidewalk Program	101.205	Summary Project Description:
CIP Category: Transportation - Operating Project Managing Department: Plan, Build & PW Admin		Replace sidewalks throughout the City. This program targets locations that are in significant need of repair or which do not meet current standards. Typical locations for repair include curb, gutter, sidewalk, asphalt paths and driveway approaches. The program prioritizes projects near schools, in commercial areas, and locations with high amounts of pedestrian traffic. Special consideration is given to locations with past pedestrian accident history and where citizen complaints are received.

Justification/Benefits: Provides safer pedestrian mobility and reduces liability to City from substandard sidewalks.

PROJECT SCOPE		ANNUAL ALLOCATION									
		Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	14	-	2	2	2	2	2	2	2	2	2
Land & Right of Way	18	-								18	18
Construction	108	-	18	18	18	18	18	18	18		
Contingency	-	-									
Total Expenditures	140	-	20	20	20	20	20	20	20	20	20

Funding Sources		Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
		ASE (Automatic Speed Enforcement) GF X-fer	140	20	20	20	20	20	20
Total Funding	140	-	20	20	20	20	20	20	20

OPERATING IMPACT		ANNUAL OPERATING IMPACT				
		2017	2018	2019	2020	2021
Operating Impact	6 Year Total	-	-	-	-	-
Revenue		-	-	-	-	-
Expenses		-	-	-	-	-
Net Impact		-	-	-	-	-

Guardrail Program



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

Guardrail Program	101.305	Summary Project Description:
		Install new or replace outdated guardrail City wide.

CIP Category: Transportation - Operating Project

Managing Department: Plan, Build & PW Admin

Justification/Benefits: This program is specifically intended to target roadside safety on the City's street system. These locations are where guardrail is warranted (determined by the American Association of State Highway and Transportation Officials - AASHTO - Roadside Design Guide and City Policy) but where none exists, and where the existing guardrail does not meet current design standards and should be upgraded to enhance safety. Vehicle impact with substandard guardrail installations can potentially increase the severity of the collision.

PROJECT SCOPE		ANNUAL ALLOCATION									
		Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	6	-	-	2	-	2	-	-	2	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-
Construction	69	-	-	23	-	23	-	-	23	-	-
Contingency	-	-	-	-	-	-	-	-	-	-	-
Total Expenditures	75	-	-	25	-	25	-	-	25	-	-

Funding Sources		Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
		REET 2	-	25	25	25	25	25	-
Total Funding	75	-	-	25	25	25	25	25	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
		2017	2018	2019	2020	2021	2022
Operating Impact	6 Year Total	-	-	-	-	-	-
Revenue		-	-	-	-	-	-
Expenses		-	-	-	-	-	-
Net Impact		-	-	-	-	-	-

Gateway - S 216th Segment 1A



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

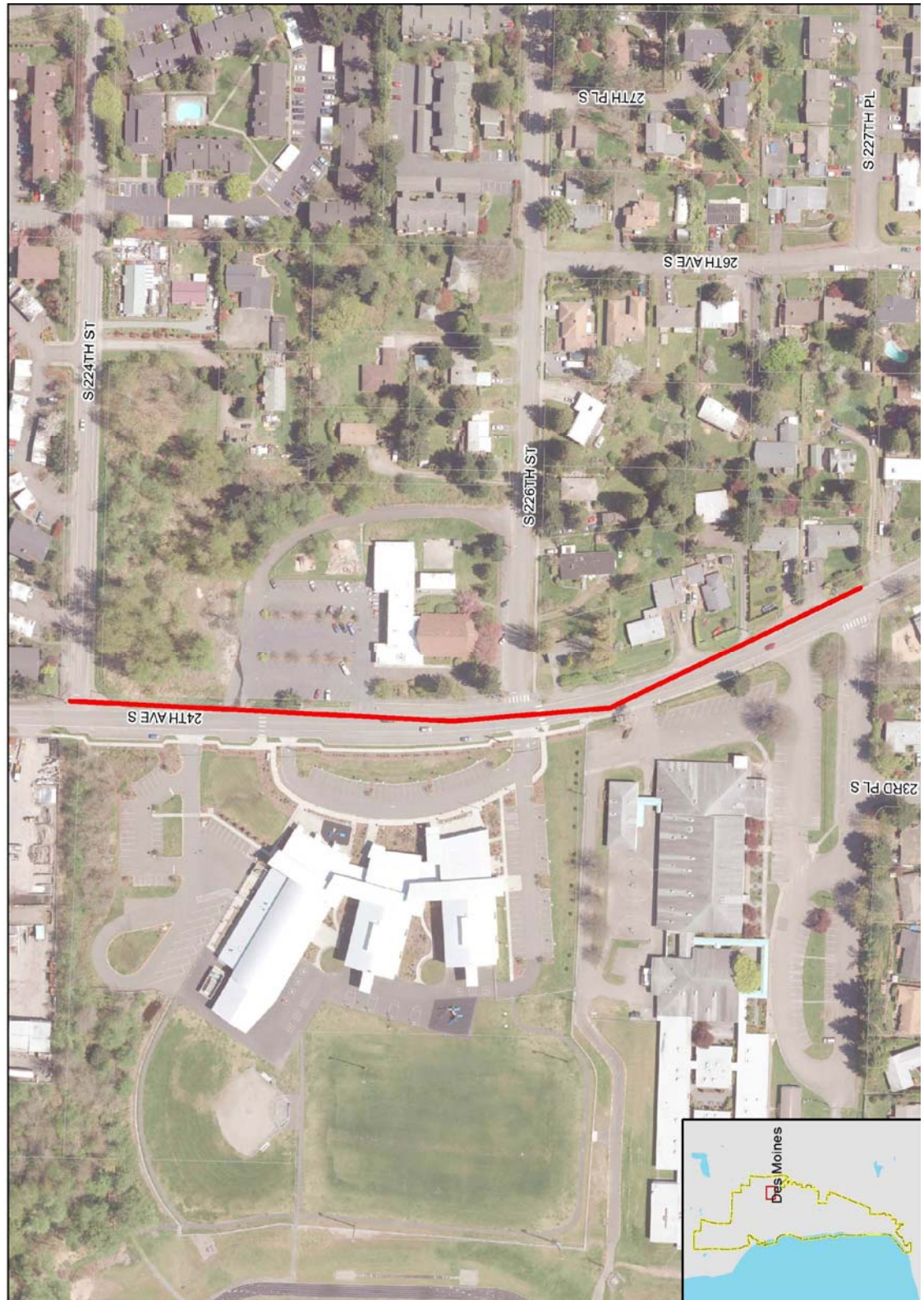
Gate way - S 216th Segment 1A	319,332	Summary Project Description:
CIP Category: Transportation - Capital Project		South 216th St from R 99 to 24th Ave South. Widen roadway to 5 lanes with two additional travel lanes in each direction, a continuous left turn lane, a U-turn pocket (EN to WB) at SR 99, bicycle lanes, planter strips and sidewalks.
Managing Department: Plan, Build & PW Admin		
Justification/Benefits: Provides adequate access to support area development especially as it relates to the Des Moines Business Park and future development along the north side of South 216th Street and east side of 24th Ave South.		

PROJECT SCOPE		ANNUAL ALLOCATION								
Expenditures		Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Design		904	904							
Land & Right of Way		829	829							
Construction		3,840	3,538	302						
Contingency		-								
Total Expenditures		5,573	5,271	302	-	-	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Traffic in-Lieu	851	727	124						
Transportation CIP Fund	894	853	41						
Traffic Impact Fees - City Wide	252	-	252						
Local Grants (Metro)	26	26							
State of Washington Grants (Confirmed)TIB, FMSIB	2,579	2,694	(115)						
Federal Grants (STP)	578	578							
Private Contributions (Utilities)	68	68							
Debt Proceeds	325	325							
Total Funding	5,573	5,271	302	-	-	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT						
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022	2023
Revenue	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-	-

Midway 24th Ave Sidewalk



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Midway 24th Ave Sidewalk	319,606
CIP Category: Transportation - Capital Project Managing Department: Plan, Build & PW Admin	
Summary Project Description: Install a sidewalk on the east side of 24th Ave S from South 224th Street to South 226th Street. This project will be completed in conjunction with SWM's 24th Ave Pipeline Replacement project extending to South 227th Street.	

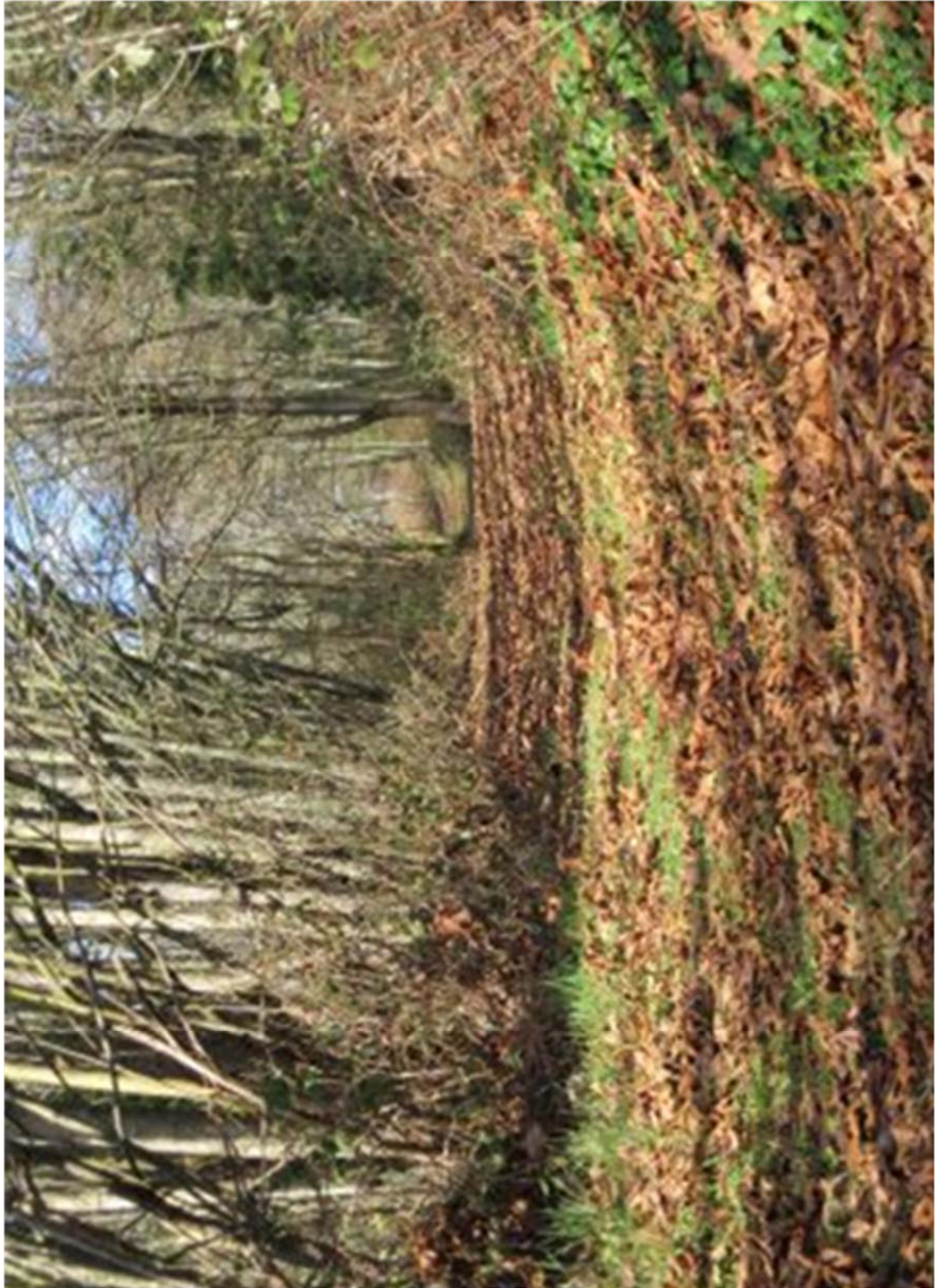
Justification/Benefits: Provides safer pedestrian mobility especially for school aged children. The east side of 24th Avenue South directly across from Midway Elementary and Pacific Middle School was identified as a top ranking priority project in the HEAL funded Safe Routes to School study/inventory.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	93	31	62								
Land & Right of Way	10		10								
Construction	245			245							
Contingency	48			48							
Total Expenditures	396	31	72	293	-	-	-	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
ASE (Automatic Speed Enforcement) GF X-fer	268	208		60					
Traffic Impact Fees - City Wide	128		105	23					
Total Funding	396	208	105	83	-	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

Barnes Creek Trail



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Barnes Creek Trail	319,345	Summary Project Description:
A 2 mile multi-use trail connecting to the Des Moines Creek Trail in the north and Highline College at the south end.		

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Justification/Benefits: The need for extension of roadways, the Barnes Creek Trail, storm water improvements and other public facilities along the Historic SR509 right of way between Kent Des Moines Road and S. 216th Street is identified in the City of Des Moines Comprehensive Transportation Plan, 2009 and the City of Des Moines Highest and Best Use Analysis of the Historic SR 509 Corridor, 2009. The analysis divided the corridor into three segments assessing the City's future needs.

PROJECT SCOPE			ANNUAL ALLOCATION									
Expenditures		Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design		1,082	572	410		50		50				
Land & Right of Way		380			30	200		150				
Construction		5,728	4	4			2,720		1,500	1,500		
Contingency		674	74				300		150	150		
Total Expenditures		7,864	650	414	30	250	3,020	200	1,650	1,650		

Funding Sources		Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
REET 1		1,794	48	240	30	250	620	100	253	253
King County Park Levy		288	288							
Transportation CIP Fund		68	68							
Traffic Impact Fees - City Wide		400					100	100	100	100
Local Grants (County, etc.)		44	44							
Federal Grants (Unsecured)		5,270	352	24			2,300		1,297	1,297
Total Funding		7,864	800	264	30	250	3,020	200	1,650	1,650

OPERATING IMPACT		ANNUAL OPERATING IMPACT						
Operating Impact		2017	2018	2019	2020	2021	2022	2023
Revenue		-	-	-	-	-	-	-
Expenses		-	-	-	-	-	-	-
Net Impact		-	-	-	-	-	-	-

Redondo Board Walk Replacement



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Redondo Board Walk Replacement	319.615	Summary Project Description:
CIP Category: Transportation - Capital Project		Replace Boardwalk with improved design. FHWA 86.5% for grant funding total of \$285K is confirmed. The rest of the grant funding is still in application status.
Managing Department: Plan, Build & PW Admin		

Justification/Benefits: In late November of 2014, the Boardwalk was severely damaged by a storm and has been closed until permanent repairs can be made. The Boardwalk is one of the highest pedestrian use locations in the City with peak hour counts as high as 600 pedestrians per hour. The Boardwalk is a regional attraction for tourists and waterfront activity.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	467	467									
Land & Right of Way	-										
Construction	4,254	4,231	23								
Contingency	-										
Total Expenditures	4,721	4,698	23	-	-	-	-	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
REET 1	426	411	15								
Transportation CIP Fund	50	50									
State of Washington	1,857	1,801	56								
Federal Grants	2,388	2,386	2								
Total Funding	4,721	4,648	73	-	-	-	-	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

South 268th Street Sidewalk



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

South 268th Street Side walk	319,614
Summary Project Description: Install sidewalks on the north side of South 268th Street between 16th Ave South and Pacific Highway South, with a portion of sidewalk on the south side from 18th Ave South to Pacific Highway South. This project does not underground the utilities.	

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Justification/Benefits: S. 268th Street is a Neighborhood Collector Arterial connecting Pacific Highway South and 16th Avenue South. Currently there are open ditch sections on the north and south sides of 268th and no existing sidewalks west of 19th Ave South. South 268th Street is also used by elementary students to walk to Woodmont Elementary on 16th Ave South.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	110	110									
Land & Right of Way	-	-									
Construction	842	664	178								
Contingency	30	-	30								
Total Expenditures	982	774	208	-	-	-	-	-	-	-	-

Funding Sources	Total Budget	Project Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
ASE (Automatic Speed Enforcement) GF X-fer	40	40							
REET 2	97	34	63						
Transportation CIP Fund/Arterial St Fund X-fer	326	182	144						
Federal Grants	431	430	1						
Private Contributions	88	88							
Total Funding	982	774	208	-	-	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT				
Operating Impact	6 Year Total	2017	2018	2019	2020	2021
Revenue	-	-	-	-	-	-
Expenses	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

24th Ave/Sea-Tac Intersection	319,302
CIP Category:	
Managing Department:	
Summary Project Description: Costs to cover construction coordination/tie-in efforts at the intersection of 24th Ave S/South 208th Street	

Justification/Benefits: The City of SeaTac is widening 24th Ave South north of South 208th Street and there will be the need to potentially cover asphalt and concrete work at the intersection to create a smooth roadway transition between jurisdictions. The City of Des Moines is responsible for most of the intersection, including the NW and SW corners.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	2		2								
Land & Right of Way	-										
Construction	28		28								
Contingency	-										
Total Expenditures	30	-	30	-	-	-	-	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Traffic Impact Fees - City Wide	30		30						
Total Funding	30	-	30	-	-	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

Marine View Dr Roundabout



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

Marine View Dr Roundabout	319,608	Summary Project Description:
CIP Category: Transportation - Capital Project		Re-align intersection and install roundabout or mini roundabout at the intersection of Marine View Drive and S 240th Street.
Managing Department: Plan, Build & PW Admin		

Justification/Benefits: The project will install a roundabout or mini roundabout at this intersection which will reduce crash severity for all users, allowing safer mergers circulating traffic, and provide more perception time for all users due to the lower vehicle speeds. There will be fewer overall conflict points and no left-turn conflicts. An environmental benefit minimizes delays with infrequent stops being required during off-peak periods. The improvement will provide an opportunity for pedestrian crossings of Marine View Drive under slower vehicle speed conditions. The circular island provides an opportunity for landscaping and/or gateway feature to enhance the community.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	200		35	165							
Land & Right of Way	200			200							
Construction	1,521				1,521						
Contingency	212				212						
Total Expenditures	2,133	-	35	365	1,733	-	-	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Traffic in-Lieu	447		-	100	347				
Traffic Impact Fees - City Wide	200		35	165	-				
State of Washington Grants	1,486			100	1,386				
Total Funding	2,133	-	35	365	1,733	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

South 216th – Segment 3



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

South 216th - Segment 3	319,334	Summary Project Description:
CIP Category: Transportation - Capital Project		Widen roadway to provide center turn lane, bike lanes, curb, gutter and sidewalks between 11th Ave South and 19th Avenue South.
Managing Department: Plan, Build & PW Admin		

Justification/Benefits: The need for pedestrian facilities along South 216th Street is identified in the City's Comprehensive Transportation Plan and the Six Year Transportation Improvement Plan. South 216th Street has numerous multi-family developments that generate pedestrian traffic along the shoulder of the road. Pedestrians use this route to access bus stops, city buildings, and the Pacific Highway and Marine View Drive corridors.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	610	-	610								
Land & Right of Way	134	-		134							
Construction	4,725	-	3	-	4,722						
Contingency	410	-			410						
Total Expenditures	5,879	-	613	134	5,132	-	-	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Traffic Impact Fees - City Wide	2,722		284	62	2,376				
State of Washington Grants (Unconfirmed)	3,157		329	72	2,756				
Total Funding	5,879	-	613	134	5,132	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

S 224th St Improvements



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

S 224th St Improvements	319,336	Summary Project Description:
CIP Category: Transportation - Capital Project		Improvements identified for South 224th Street are for a "Type A" street including curbs, gutters, wide sidewalks, and bike lanes. This project includes design, environmental analysis, and preparation of plans, specifications, and estimates by a consultant. In-lieu fees have been obtained and will fund the design as well as the construction.
Managing Department: Plan, Build & PW Admin		

Justification/Benefits: This project has been identified as one of the Pacific Ridge Neighborhood Mitigation Project. Sidewalks are lacking completely on the north side of 224th Street and there is currently an incomplete section of sidewalk on the south side. This sidewalk will provide a safer pedestrian connection between 30th Ave South and Pacific Highway South.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	113	-		113							
Land & Right of Way	35	-		35							
Construction	402	-		402							
Contingency	56	-		56							
Total Expenditures	606	-	-	606	-	-	-	-	-	-	-

Funding Sources		ANNUAL ALLOCATION									
	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Transportation CIP Fund	606	606									
Total Funding	606	606	-	-	-	-	-	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

16th Ave - Seg 5A



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

16th Ave - Seg 5A	319,471	Summary Project Description:
CIP Category: Transportation - Capital Project Managing Department: Plan, Build & PW Admin		South 272nd Street to approximately 1000 feet south of S 272nd Street. Install curbs, gutters, sidewalks, enclosed drainage system and bike lanes along both sides of the street. Improve existing lighting and install left turn lane. Cost estimates reflect overhead utilities. Underground utilities would be a significant increase. This project coordinates with Segment 5B.

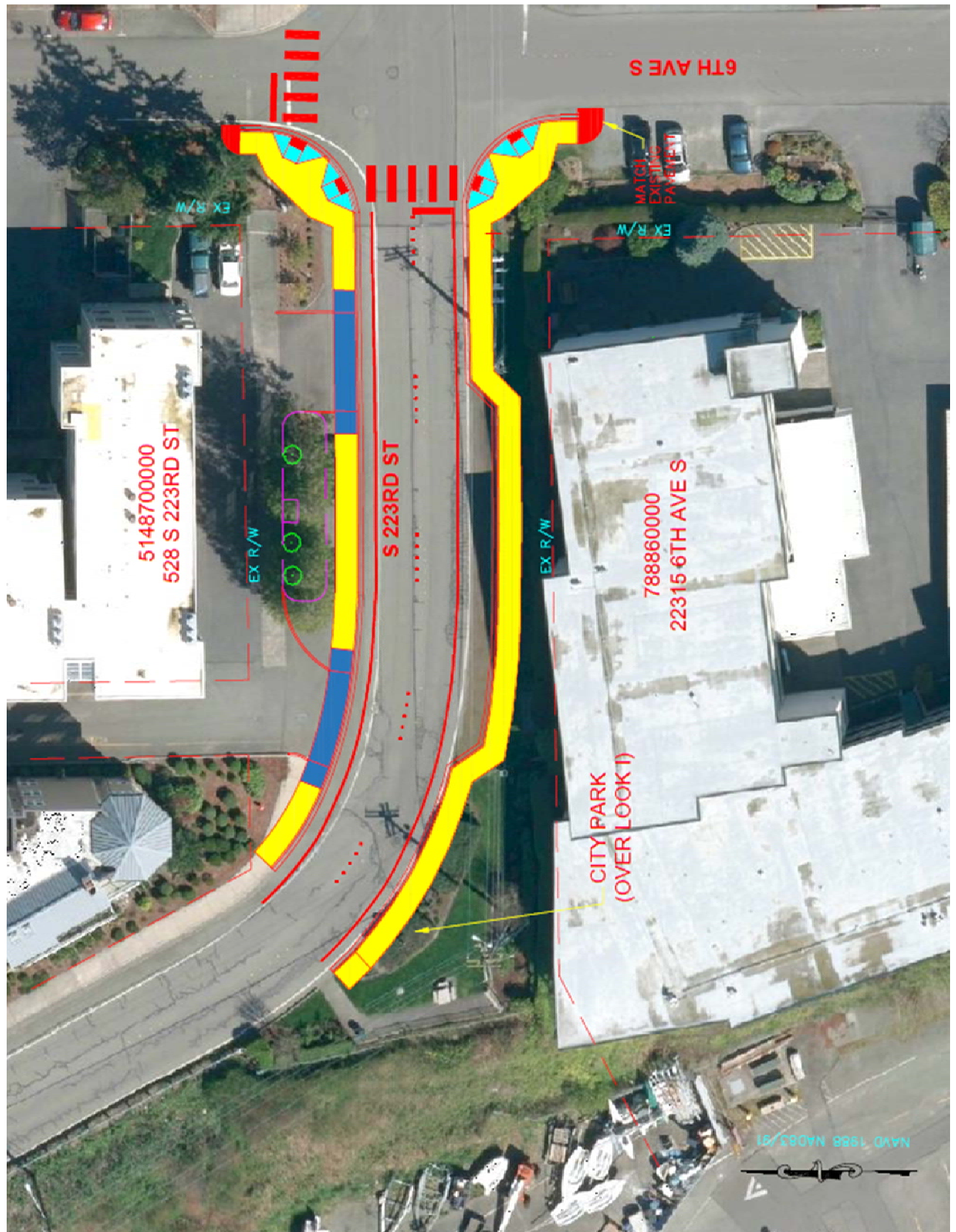
Justification/Benefits: The need for pedestrian facilities is identified in the City's Comprehensive Transportation Plan and 6 Yr TIP. This corridor has numerous single-family developments that generate pedestrian traffic along the shoulder of the road. It is used to access schools, parks, churches and shopping areas. 16th Ave is classified as a principal arterial and is identified as a pedestrian walkway route. Future growth will highlight the need for separated pedestrian facilities. This project also improves mobility and safety by adding left turn lanes and improving street lighting.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	128	-		128							
Land & Right of Way	-	-									
Construction	-	-									
Contingency	1	-		1							
Total Expenditures	129	-	-	129	-	-	-	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Traffic in-Lieu	129	129							
Total Funding	129	129	-	-	-	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

S 223rd Walkway Improvements



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

S 223rd Walkway Improvements	319,617
CIP Category: Transportation - Capital Project	
Managing Department: Plan, Build & PW Admin	
Summary Project Description:	
Installation of missing sidewalk on the north and south sides of S 223rd St and west of 6th Ave. The project will install curbs, ramps and landings at the intersection of 6th Ave and 223rd Ave. \$105,825 is funding from the Adrianna sidewalk sale.	

Justification/Benefits: The city has identified missing sidewalk needs in the Downtown area. This location is a key connection from the Downtown area to the Marina/Beach Park.

PROJECT SCOPE		ANNUAL ALLOCATION							
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Design	25			25					
Land & Right of Way	-								
Construction	100			100					
Contingency	25			25					
Total Expenditures	150	-	-	150	-	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
ASE (Automatic Speed Enforcement)	44			44					
Traffic Impact Fees - City Wide	106			106					
Total Funding	150	-	-	150	-	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

Downtown Alley Improvement



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Downtown Alley Improvement	319,337	Summary Project Description:
CIP Category: Transportation - Capital Project		Project will underground general utilities, overlay alley between 223rd and 225th, provide for urban design features and elements to create a vibrant, pedestrian friendly corridor.
Managing Department: Plan, Build & PW Admin		

Justification/Benefits: An active pedestrian alley provides economic benefit to the city by generating additional sales for local businesses which increases sales tax and B&O tax revenues to the city.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	71				71						
Land & Right of Way	-										
Construction	440					440					
Contingency	30					30					
Total Expenditures	541	-	-	-	71	470	-	-	-	-	-

Funding Sources		Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Traffic in-Lieu	441				71	370			
Private Contributions (Utilities)	100					100			
Total Funding	541	-	-	-	71	470	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

South 236th Lane



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

South 236th Lane	319
CIP Category:	
Managing Department:	
Summary Project Description: A 330 foot section of improved roadway between SR-99 and Highline College. Will include a two way left turn lane and pedestrian facilities.	

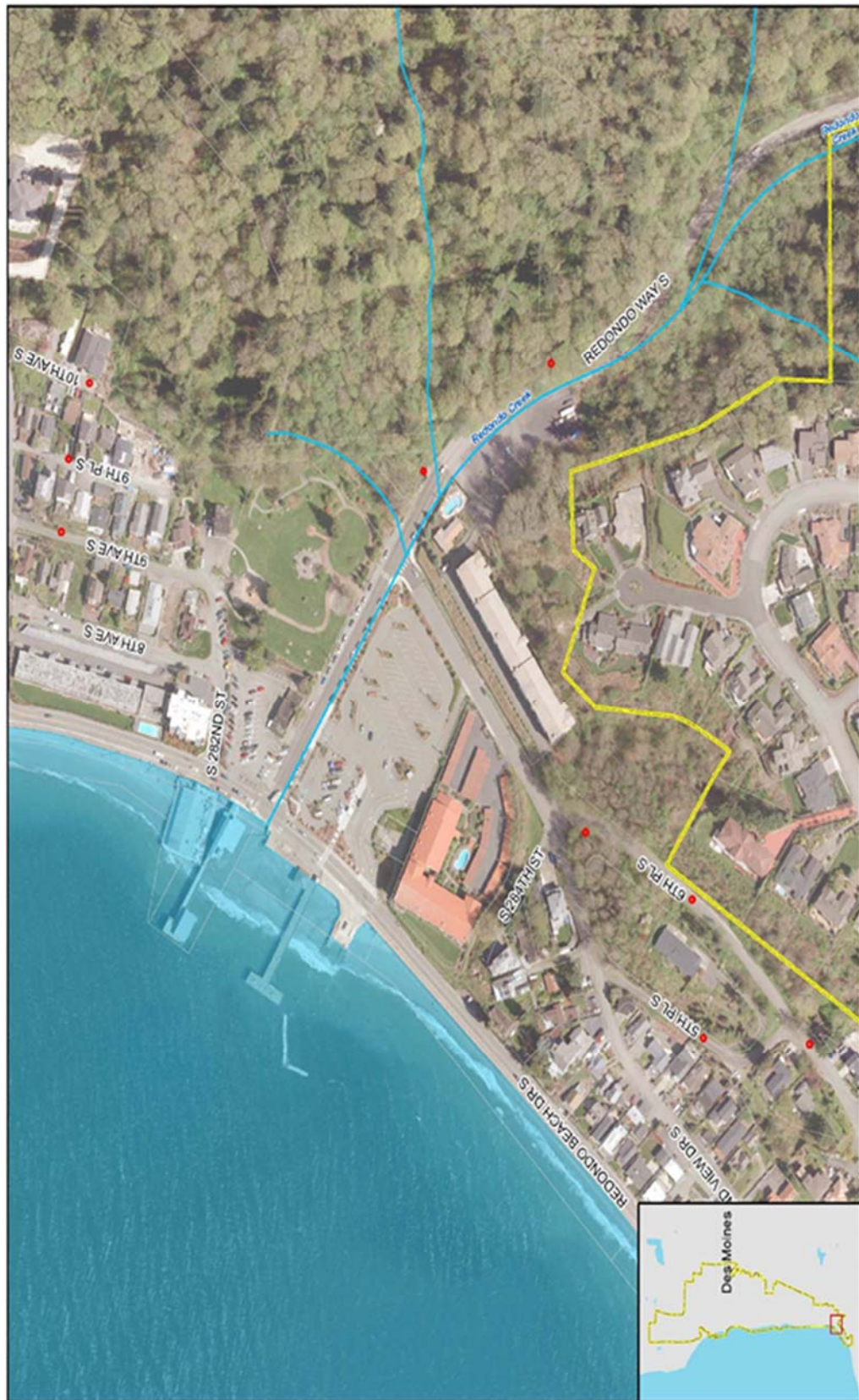
Justification/Benefits: Capacity need for two-way traffic, pedestrian facilities and connection to future traffic signal at South 236th Lane and SR-99.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	200				200						
Land & Right of Way	200					200					
Construction	1,600						1,600				
Contingency	191						191				
Total Expenditures	2,191				200	200	1,791				

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Traffic in-Lieu	1,091		517		574				
Traffic Impact Fees - City Wide	1,100				1,100				
Total Funding	2,191		517		1,674				

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

Redondo Area Street Improvement



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Redondo Area Street Improvements	319.610
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CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Project will install approximately nine street lights in the Redondo neighborhood area. The power will need to be extended underground to serve these new lights. The lights will be installed and maintained by Intolight (lighting division of PSE).

Justification/Benefits: The need for street lighting was identified in the Redondo Parking Management Study as a safety enhancement. There were several existing streets that had little to no lighting.

PROJECT SCOPE	
Expenditures	Total Budget
Design	10
Land & Right of Way	-
Construction	60
Contingency	-
Total Expenditures	70

ANNUAL ALLOCATION									
Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
-				10					
-									
-				60					
-									
-	-	-	-	-	-	-	-	-	-

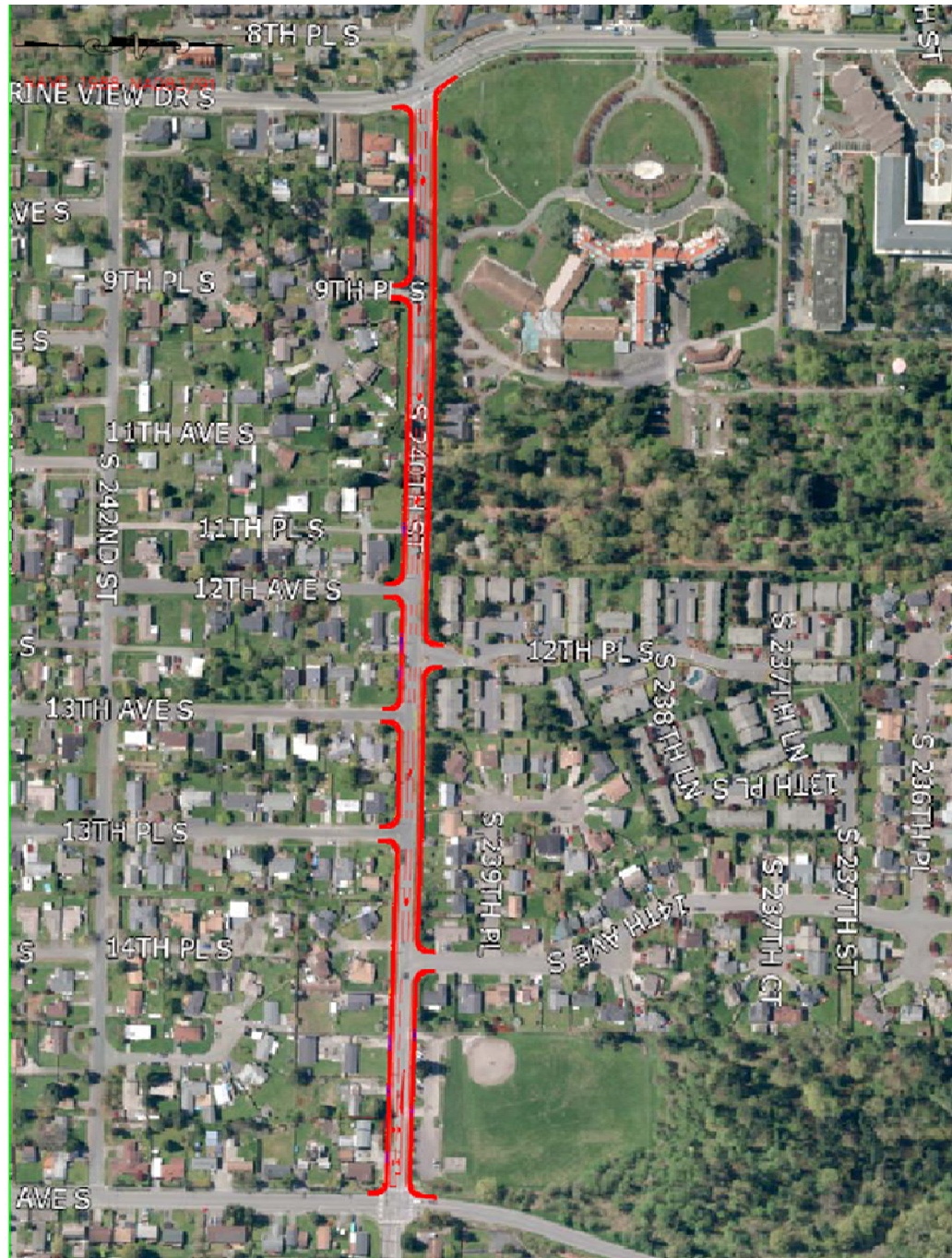
Funding Sources	Total Budget
Redondo Zone Parking	70
Total Funding	70

Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
-	-	-	-	70	-	-	-
-	-	-	-	70	-	-	-

OPERATING IMPACT	
Operating Impact	6 Year Total
Revenue	-
Expenses	-
Net Impact	-

ANNUAL OPERATING IMPACT						
	2017	2018	2019	2020	2021	2022 2023
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-

South 240th Street Improve - Seg 1



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

South 240th Street Improve - Seg 1	319,206	Summary Project Description:
CIP Category: Transportation - Capital Project		Widen roadway to three lanes between 16th Ave S and the East City limits and provide a continuous center turn lane, bike lanes, transit stops, curb, gutter and planters.
Managing Department: Plan, Build & PW Admin		

Justification/Benefits: The need for pedestrian and bicycle facilities along South 240th Street is identified in the City's Comprehensive Transportation Plan and the Six Year Transportation Improvement Plan. South 240th Street has residential properties and Highline College that generate pedestrian and bicycle traffic along the shoulder of the road. Pedestrians use this route to access bus stops, Highline College, and the Pacific Highway Corridor. Roadway widening is needed to increase capacity as well as develop a complete street serving vehicles pedestrians, bicycles and transit.

PROJECT SCOPE		ANNUAL ALLOCATION									
		Project to Date	Scheduled Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year
	Expenditures	12/31/16	2017	2018	2019	2020	2021	2022	2023		
	Design	-				435					
	Land & Right of Way	-				200					
	Construction	-					5,265				
	Contingency	-				100	300				
	Total Expenditures	-	-	-	-	735	5,565	-	-	-	-

Funding Sources		Project to Date	Scheduled Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year
		12/31/16	2017	2018	2019	2020	2021	2022	2023		
	Local Grants (County, etc.)					365	3,015				
	State of Washington Grants (Unconfirmed)					370	2,300				
	Private Contributions						250				
	Total Funding	-	-	-	-	735	5,565	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
		2017	2018	2019	2020	2021	2023
	Operating Impact						
	Revenue	-	-	-	-	-	-
	Expenses	-	-	-	-	-	-
	Net Impact	-	-	-	-	-	-



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

South 240th Street Improve - Seg 2		319,207
CIP Category: Transportation - Capital Project		
Managing Department: Plan, Build & PW Admin		
Summary Project Description:		Widen roadway to three lanes between Marine View Drive and 16th Ave South and provide a continuous center turn lane, bike lanes, transit stops, curb, gutter and planters.

Justification/Benefits: The need for pedestrian and bicycle facilities along South 240th Street is identified in the City's Comprehensive Transportation Plan and the Six Year Transportation Improvement Plan. South 240th Street has residential properties and Highline College that generate pedestrian and bicycle traffic along the shoulder of the road. Pedestrians use this route to access bus stops, Highline College, and the Pacific Highway Corridor. Roadway widening is needed to increase capacity as well as develop a complete street serving vehicles pedestrians, bicycles and transit.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	335	-				335					
Land & Right of Way	50	-				50					
Construction	4,165	-					4,165				
Contingency	300	-				50	250				
Total Expenditures	4,850	-	-	-	-	435	4,415	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Traffic in-Lieu	2,900					235	2,665				
State of Washington Grants (Unconfirmed)	1,750					200	1,550				
Private Contributions	200					200					
Total Funding	4,850	-	-	-	-	635	4,215	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

Kent Des Moines Rd Segment 2



CITY OF DES MOINES
2018-2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

Kent-Des Moines Rd - Seg 2	319,344	Summary Project Description:
		Widen roadway to 5 lanes between 24th Avenue South and Pacific Highway South and provide a continuous center turn lane, bike lanes, transit stops, curb, gutter and planters.

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Justification/Benefits: The need for pedestrian and bicycle facilities along Kent-Des Moines Road is identified in the City's Comprehensive Transportation Plan and the Six Year Transportation Improvement Plan. Kent-Des Moines Rd has numerous multi-family developments, that generate pedestrian and bicycle traffic along the shoulder of the road. Pedestrians use this route to access bus stops, Highline College, and the Pacific Highway Corridor. Roadway widening is needed to increase capacity as well as develop a complete street serving vehicles pedestrians, bicycles and transit.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	485	-						485			
Land & Right of Way	500	-						500			
Construction	5,815	-							5,815		
Contingency	400	-							400		
Total Expenditures	7,200	-	-	-	-	-	-	985	6,215	-	

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Traffic in-Lieu	20						20				
Local Grants (County, etc.)	3,600						635	2,965			
State of Washington Grants (Unconfirmed)	3,000							3,000			
Private Contributions	250							250			
Total Funding	7,200	-	-	-	-	-	985	6,215	-		

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

SeaTac Signal Improvements



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

SeaTac Signal Improvements	319.613	Summary Project Description:
CIP Category: Transportation - Capital Project		Des Moines Memorial Dr and South 200th Street. 1/4th cost of total improvements to install left turn lanes at all four approaches with curb, gutter and sidewalk. City of SeaTac is lead agency; project represents Des Moines share payable to SeaTac.
Managing Department: Plan, Build & PW Admin		

Justification/Benefits: Des Moines Memorial Dr and South 200th Street lack left turn pockets on all four legs as well as sidewalks and bike lanes.

PROJECT SCOPE		ANNUAL ALLOCATION							
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Design	50	-	-	-	-	-	-	50	-
Land & Right of Way	-	-	-	-	-	-	-	-	-
Construction	300	-	-	-	-	-	-	300	-
Contingency	-	-	-	-	-	-	-	-	-
Total Expenditures	350	-	-	-	-	-	-	350	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Traffic Impact Fees - City Wide	350	-	-	-	-	-	-	350	-
Total Funding	350	-	-	-	-	-	-	350	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

Dock Electrical Replacements



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

Dock Electrical Replacements	403,452	Summary Project Description:
CIP Category: Marina Capital Improvements		Install new shore power pedestals and distribution wiring on docks H,I,J,K and L.
Managing Department: Marina		

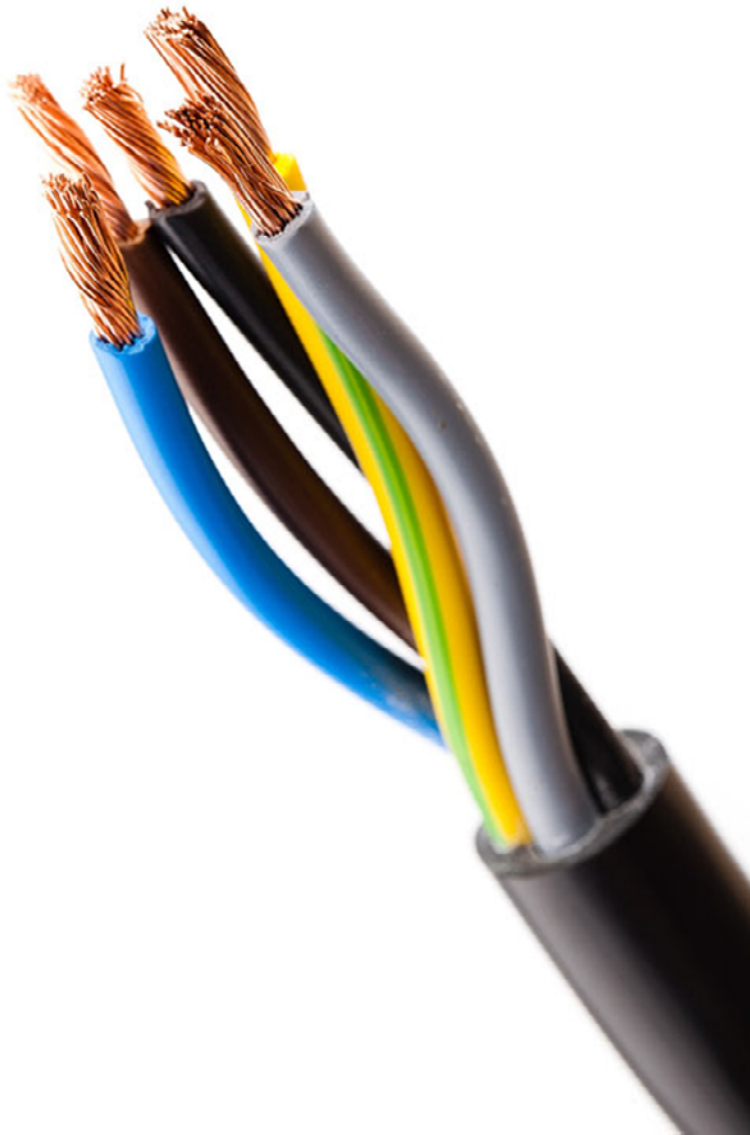
Justification/Benefits: The new electrical wiring will reduce the risk of fire as well as provide upgraded service to Marina tenants. These docks are 45 years old and still have the original shore power boxes and wiring. Most of the shore power boxes have been upgraded to 30 amps from the original 15 amp service to meet the demands of the new boats but the wiring has not been replaced with larger wire size to accommodate the increased demand.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	-	-	-	-	-	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-
Construction	300	-	60	-	60	60	60	60	60	60	60
Contingency	-	-	-	-	-	-	-	-	-	-	-
Total Expenditures	300	-	60	-	60	60	60	60	60	60	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Marina Rates	300	-	60	-	60	60	60	60	60
Total Funding	300	-	60	-	60	60	60	60	60

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

Flex Conduits & Fuel Hose



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Flex Conduits & Fuel Hose Replacement	403
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CIP Category: Marina Capital Improvements

Managing Department: Marina

Summary Project Description:

Replace the flex conduits that house the power cables that feed the guest moorage area and N Dock. This task will be accomplished mostly with Marina staff but we will need some help with the hi-voltage connections.

Repair/replace one of the secondary containment hoses in the fuel delivery system.

Justification/Benefits: The new electrical wiring will reduce the risk of fire as well as provide upgraded service to Marina tenants. These docks are 45 years old and still have the original shore power boxes and wiring. Most of the shore power boxes have been upgraded to 30 amps from the original 15 amp service to meet the demands of the new boats but the wiring has not been replaced with larger wire size to accommodate the increased demand.

PROJECT SCOPE	
Expenditures	Total Budget
Design	-
Land & Right of Way	-
Construction	41
Contingency	-
Total Expenditures	41

ANNUAL ALLOCATION									
Project to Date	Scheduled Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year
12/31/16	2017	2018	2019	2020	2021	2022	2023		
			-	-					
			-						
	41								
			-						
	41								

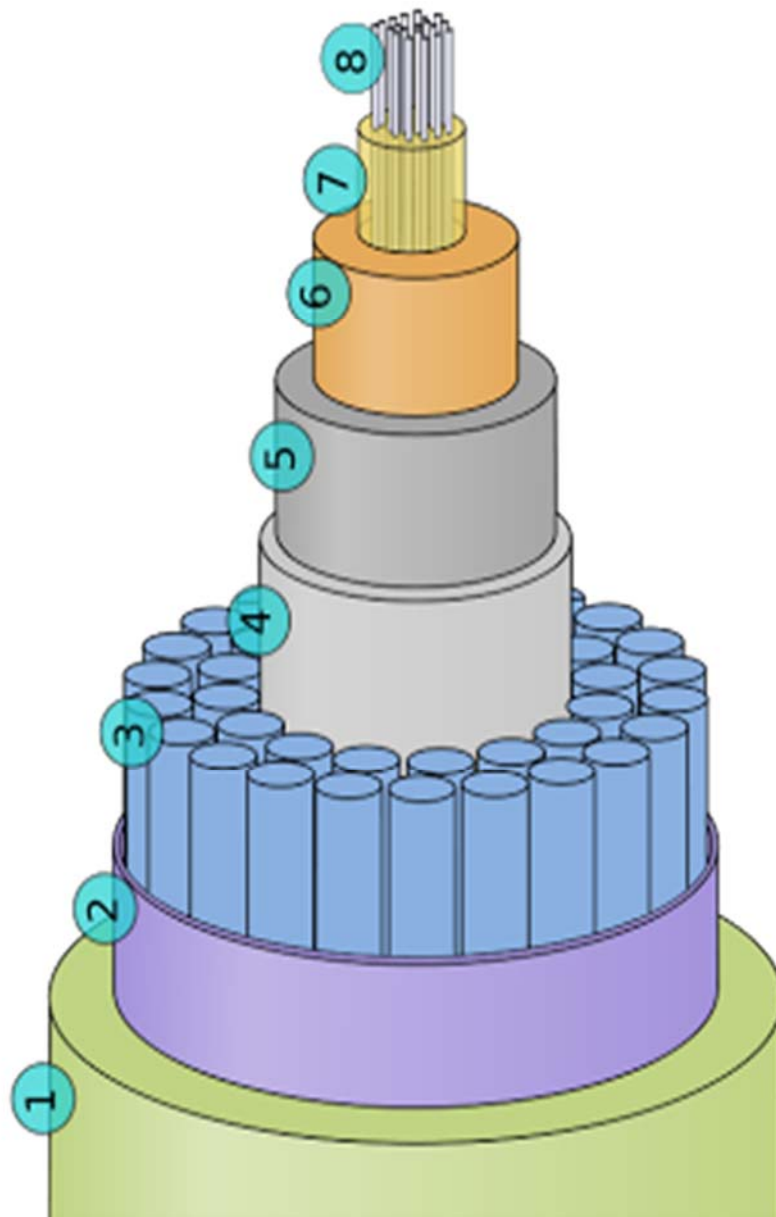
Funding Sources	Total Budget
Marina Rates	41
Total Funding	41

Project to Date	Scheduled Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year
12/31/16	2017	2018	2019	2020	2021	2022	2023
	41						
	41						

OPERATING IMPACT	
Operating Impact	6 Year Total
Revenue	-
Expenses	-
Net Impact	-

ANNUAL OPERATING IMPACT						
	2017	2018	2019	2020	2021	2023
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-

Marina Fiber Optic Cable



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

Marina Fiber Optic Cable	403	Summary Project Description:
CIP Category: Marina Capital Improvements		This project will install a fiber optic cable from the Public Works Service Center to the Marina office, connecting the Marina's network to the City's network.
Managing Department: Information Technology		

Justification/Benefits: Connecting the Marina network to the City's network will allow for the cancellation of the separate Comcast internet and phone service to the Marina office, will facilitate moving separate Marina servers to a consolidated location, will provide remote viewing of security cameras by the Police Department and will allow for remote management of parking equipment.

PROJECT SCOPE		ANNUAL ALLOCATION									
		Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	-										
Land & Right of Way	-										
Construction	150		150								
Contingency	-										
Total Expenditures	150		150								

Funding Sources		Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
			150						
Marina Rates	150								
Total Funding	150		150						

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
		2017	2018	2019	2020	2021	2022
Operating Impact	6 Year Total	-	-	-	-	-	-
Revenue		-	-	-	-	-	-
Expenses		(36)	(6)	(6)	(6)	(6)	(6)
Net Impact	(36)	(36)	(6)	(6)	(6)	(6)	(6)

Fuel Dispenser



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

Fuel Dispenser	403	Summary Project Description:
		Replace fuel dispensers.

CIP Category: Marina Capital Improvements

Managing Department: Marina

Justification/Benefits: By 2018 the fuel dispensers will be 20 years old. The dispensers are essentially a small computer in a stainless steel box. They are now obsolete. New dispensers will allow the Marina to take advantage of the latest technology and software for controlling fuel inventory.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	-	-	-	-	-	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-
Construction	60	-	-	60	-	-	-	-	-	-	-
Contingency	-	-	-	-	-	-	-	-	-	-	-
Total Expenditures	60	-	-	60	-	-	-	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Marina Rates	60	-	-	60	-	-	-	-	-
Total Funding	60	-	-	60	-	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

Marina Dock Replacement



Marina Dock Replacement	403,499.070
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CIP Category: Marina Capital Improvements

Managing Department: Marina

Justification/Benefits:

Summary Project Description:
This project creates a set aside to accumulate funds for the purchase of a full dock replacement. When sufficient funds are accumulated a replacement dock will be installed.

PROJECT SCOPE		
Expenditures	Total Budget	
Design	-	
Land & Right of Way	-	
Construction	1,400	
Contingency	-	
Total Expenditures	1,400	

[illegible]

Funding Sources		Total Budget
Marina Rates		1,400
Total Funding		1,400

[illegible]

OPERATING IMPACT	
Operating Impact	6 Year Total
Revenue	-
Expenses	-
Net Impact	
	-

ANNUAL OPERATING IMPACT							
	2017	2018	2019	2020	2021	2022	2023
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

Tenant Restroom Replacement



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Tenant Restroom Replacement	403	Summary Project Description:

CIP Category: Marina Capital Improvements

Managing Department: Marina

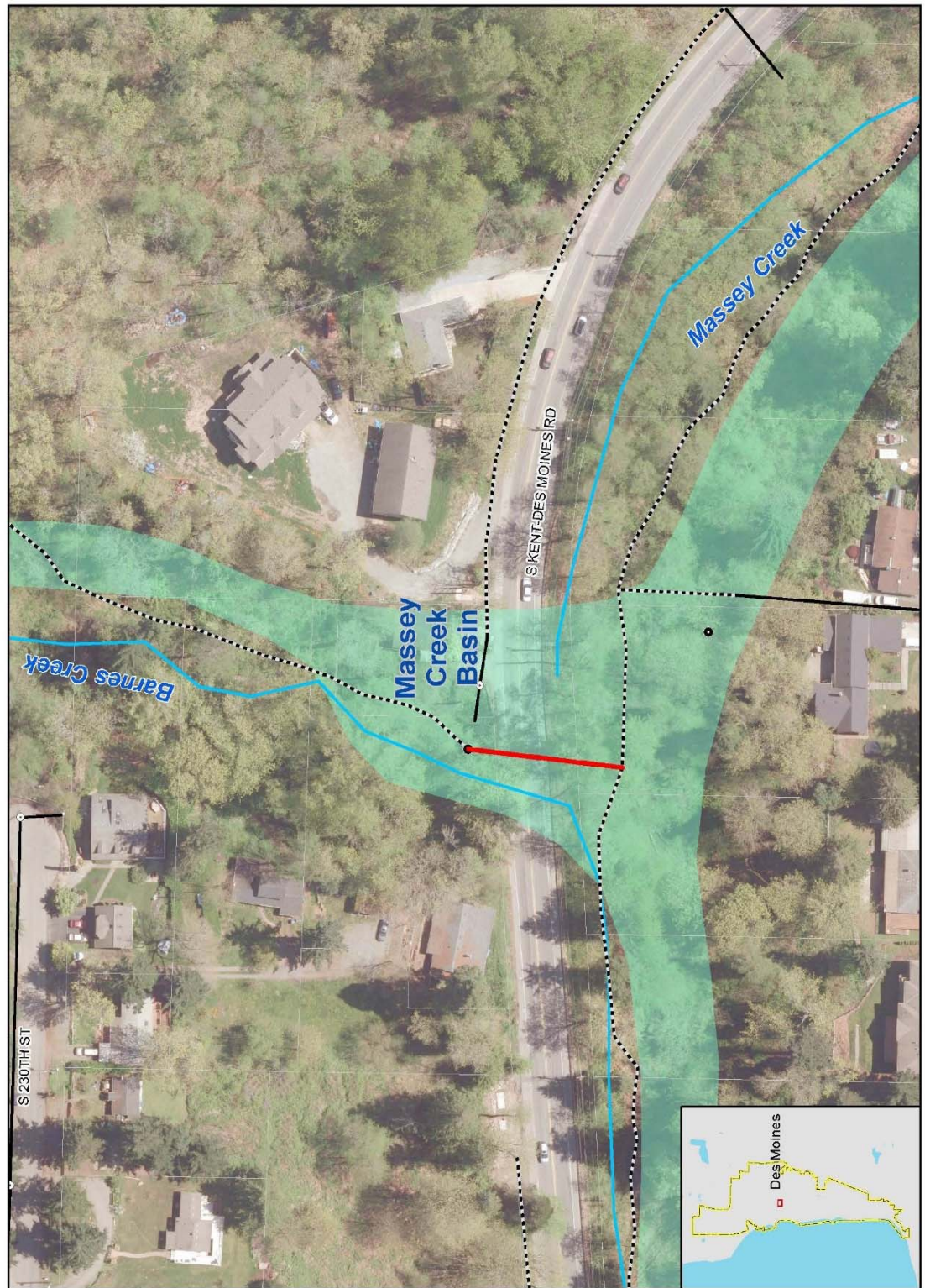
Justification/Benefits:

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	-										
Land & Right of Way	-										
Construction	150										150
Contingency	-										
Total Expenditures	150	-	-	-	-	-	-	-	-	-	150

Funding Sources		Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Marina Rates	150								150
Total Funding	150	-	-	-	-	-	-	-	150

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

Barnes Crk/Kent-Des Moines Rd Culvert



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Barnes Crk/Kent-Des Moines Rd Culvert	451	Summary Project Description:
CIP Category: Surface Water Mgmt		Project improvements will include the installation of 80 to 100 feet of 48-inch or 60-inch diameter culvert or possibly the construction of a box culvert, depending on the method of construction and current fisheries requirements. Due to the depth of culvert and the high traffic of Kent-Des Moines Road, use of boring or other trench-less technology will be explored. The dramatic elevation change from upstream to downstream and the need to moderate velocity for fish passage may require that a special energy dissipater and/or fish ladder be installed at the culvert outlet.
Managing Department: Plan, Build & PW Admin		

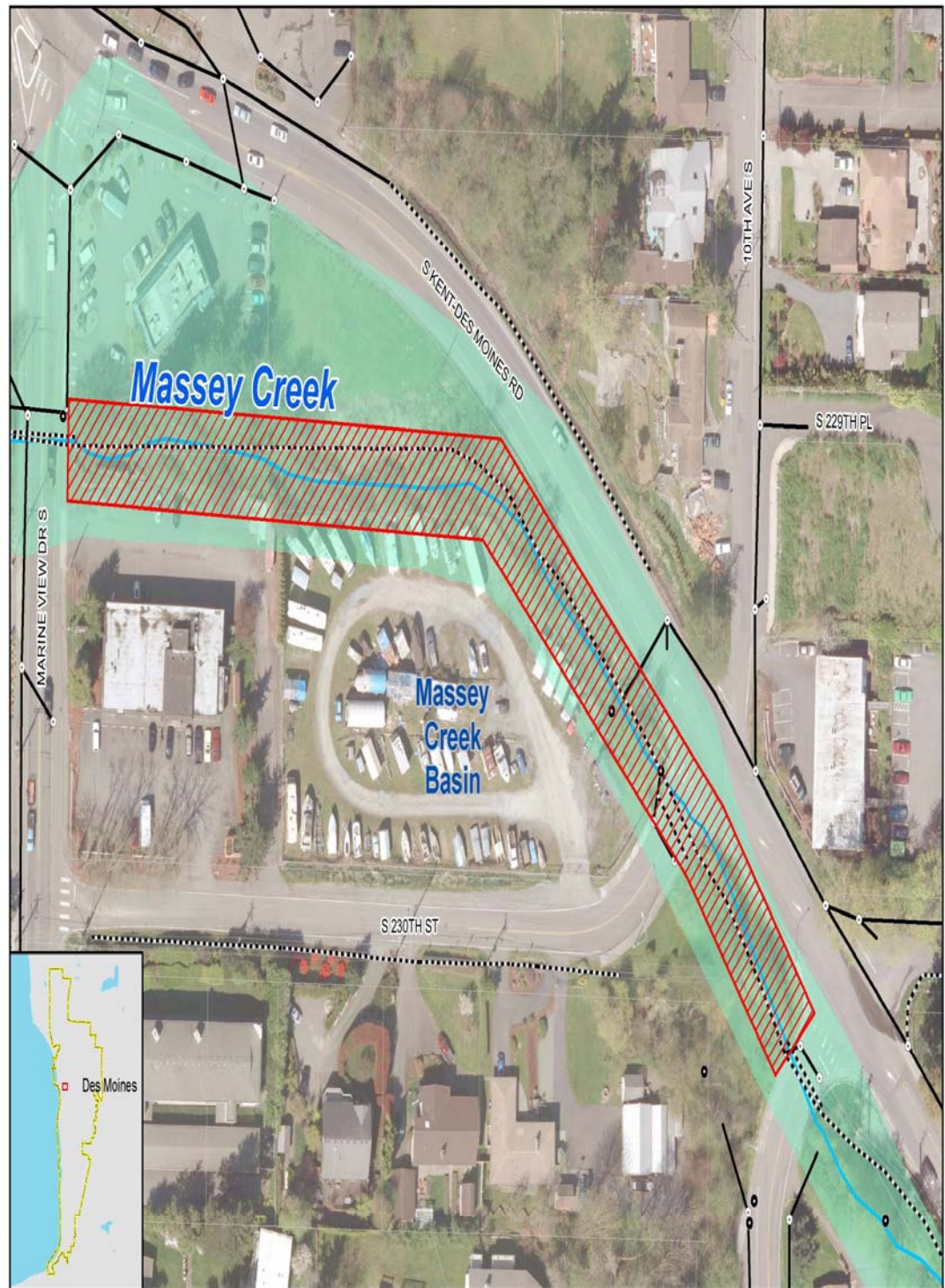
Justification/Benefits: This culvert replacement is needed to convey peak predicted flows without flooding Kent-Des Moines Road. At this point a new 42- to 48-inch reinforced concrete pipe culvert is planned to replace the existing undersized culvert. However, the new pipe size will need to be designed to meet current Hydraulic Code to allow both high- and low-flow fish passage. An energy dissipater will be included at the downstream end of the culvert (with a fish ladder). This project was identified in the Lower Massey Creek Basin Plan and Alternative Analysis. A culvert survey made in 2015 indicated the existing culvert is in poor condition.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	418	86	332								
Land & Right of Way	-										
Construction	955	17	4	934							
Contingency	505	284		221							
Total Expenditures	1,878	387	336	1,155	-	-	-	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Surface Water Utility	1,878	387	336	1,155					
Total Funding	1,878	387	336	1,155	-	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

Lower Massey Creek Channel Modifications



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

Lower Massey Creek Channel Modifications	451.821	Summary Project Description:
CIP Category: Surface Water Mgmt		This project involves widening the Massey Creek channel between 10th Avenue South and the Taco Time property east of Marine View Drive, berming the north side of the creek, constructing a sheetpile floodwall on the south side of the creek, installing a small pump station, installing native plantings along the stream, removing invasive species and installing stream fish habitat features such as woody debris, stream boulders and bank logs. External funding is provided from King County with two grants: \$200K Flood Reduction Grant and \$196 Regional Opportunity Grant.
Managing Department: Plan, Build & PW Admin		

Justification/Benefits: The purpose of the improvements is to enhance habitat along this portion of Massey Creek, improve flood capacity of the channel and reduce intersection flooding at Kent-Des Moines Road and Marine View Drive. Land for this project was purchased in 1998. This project is identified in the 1992 Massey Creek Basin Plan and the 1994 Lower Massey Creek Flood Alternative Analysis.

PROJECT SCOPE		ANNUAL ALLOCATION							
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Design	373	373							
Land & Right of Way	1	1							
Construction	1,191	1,179	12						
Contingency	299		299						
Total Expenditures	1,864	1,553	311	-	-	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Surface Water Utility	1,437	1,126	311						
Local Grants (County, etc.)	427	427							
Total Funding	1,864	1,553	311	-	-	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

S. 251st Street Storm Outfall



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

S. 251st Street Storm Outfall	451.827.040
CIP Category: Surface Water Mgmt Managing Department: Public Works	
Summary Project Description: This project proposes to extend the 24-inch outfall pipe downslope away from the existing MSE wall and install a dissipator at the terminus.	

Justification/Benefits: This project is a retrofit to a storm outfall improvement made in 2014 which failed following heavy rains in October 2015.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	106	59	47								
Land & Right of Way	-										
Construction	203		203								
Contingency	61		61								
Total Expenditures	370	59	311	-	-	-	-	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Surface Water Utility	370	59	311						
Total Funding	370	59	311	-	-	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

24th Ave Pipeline Replacement/Upgrade



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

24th Ave Pipeline Replacement/Upgrade	451.815	Summary Project Description:
CIP Category: Surface Water Mgmt		Replacement of existing 12-inch storm drainage system on 24th Avenue from S. 224th to S. 227th Street with approximately 1100 feet of 36-inch pipe.
Managing Department: Plan, Build & PW Admin		

Justification/Benefits: During major storms the drainage system along the east side of 24th Avenue between S. 226th and S.227th overflows to the pipe system on the west side. These overflows bypass the trunk system which conveys flows to the City Park detention facility and flood properties south of 227th south of Pacific Middle School. This project is recommended in the 1992 Massey Creek Basin Plan.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	43	-	43								
Land & Right of Way	-	-									
Construction	389	-		389							
Contingency	104	-	9	95							
Total Expenditures	536	-	52	484	-	-	-	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Surface Water Utility	536	-	52	484					
Total Funding	536	-	52	484	-	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

16th & 17th Place Storm Pipe Connections



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

16th & 17th Place Storm Pipe Connections	451.830	Summary Project Description:
CIP Category: Surface Water Mgmt		This project is being coordinated with the South 268th Street Project and Highline Water District watermain replacement project and involves the installation of approximately 390 linear feet of 12-inch storm pipe and 4 catch basins along with restoration of curb, gutter and driveways.
Managing Department: Plan, Build & PW Admin		

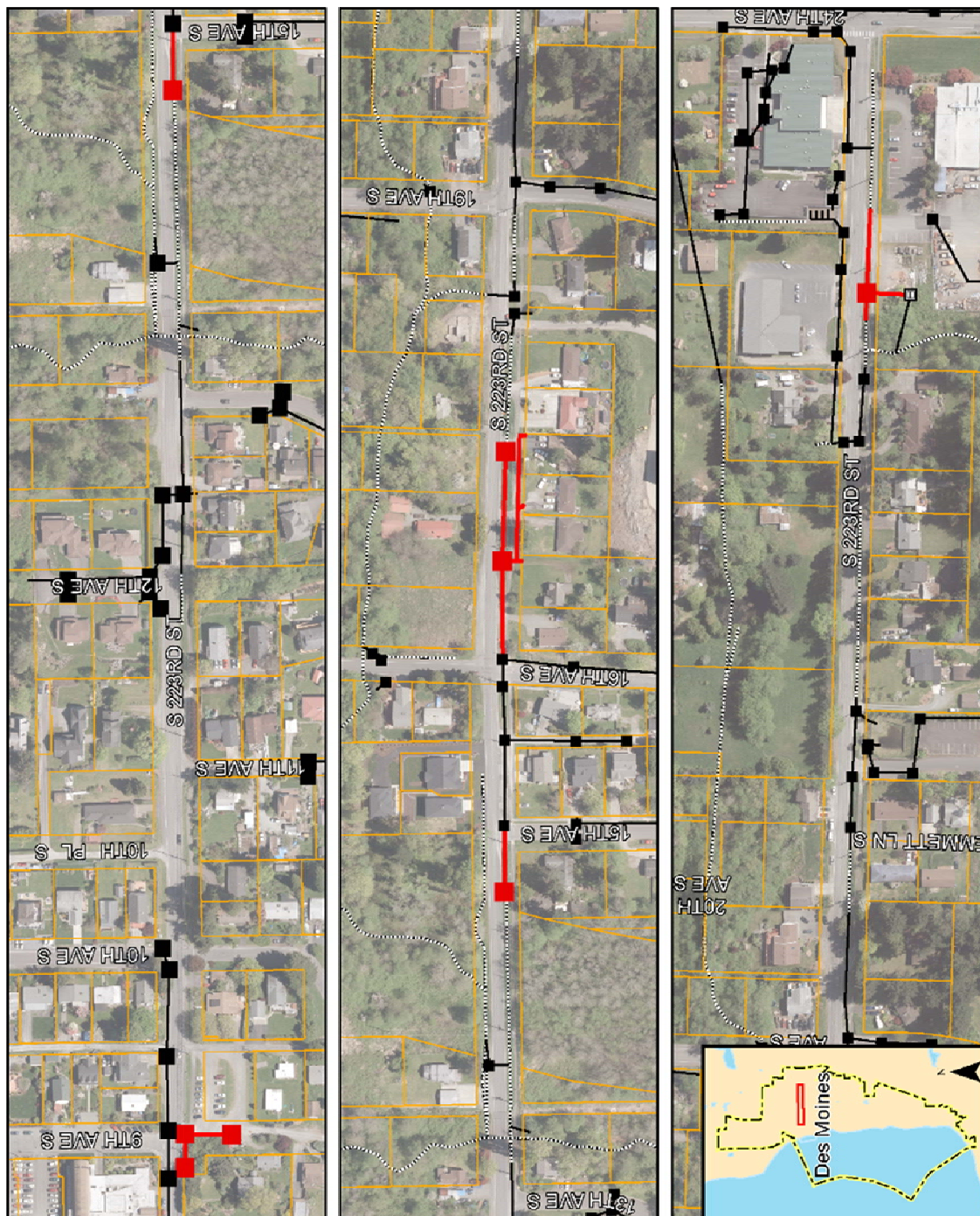
Justification/Benefits: This project is needed to address minor street flooding located at the ends of the cul-de-sacs of 16th Place and 17th Place where existing drywells are no longer functioning properly. New drainage will be added to both cul-de-sacs and connect to the newly constructed drainage in S. 268th Street prior to the pavement overlay as required by Highline Water District.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	9		9				-				
Land & Right of Way	-						-				
Construction	136		136								
Contingency	30		30				-				
Total Expenditures	175	-	175	-	-	-	-	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Surface Water Utility	175		175								
Total Funding	175	-	175	-	-	-	-	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

S. 223rd Stormwater Improvements



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

S. 223rd Stormwater Improvements	451.829	Summary Project Description:
CIP Category: Surface Water Mgmt		2017 Pipe Replacement Program dedicated to S 223rd Stormwater Improvements to be performed in conjunction with the S 223rd Road Improvement project.
Managing Department: Plan, Build & PW Admin		

Justification/Benefits: A number of stormwater improvements have been identified on 223rd Street between Marine View Drive and 24th Avenue including aged corrugated metal pipe replacements, drainage pipe extensions needed to address minor flooding issues, and piping certain ditches where seepage from the ditches are damaging the road pavement or walkways. Where road seepage is occurring, road underdrains will be added and connected to the drainage system.

PROJECT SCOPE		ANNUAL ALLOCATION							
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Design	41		41						
Land & Right of Way	-								
Construction	230			230					
Contingency	57		8	49					
Total Expenditures	328	-	49	279	-	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Surface Water Utility	328		49	279					
Total Funding	328	-	49	279	-	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

Pipe Replacement Program



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

Pipe Replacement Program	451.017	Summary Project Description:
CIP Category: Surface Water Mgmt		Replacement of existing pipes based on customer request and video based condition assessment. This program is scheduled to be finished in 2022.
Managing Department: Plan, Build & PW Admin		

Justification/Benefits: A video assessment of existing storm drain pipes is scheduled to begin in 2016. From the assessment a prioritized list of pipes needing replacement will be developed along with estimated costs.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	189	-	-	38	38	38	38	38	37		
Land & Right of Way	-	-	-	-	-	-	-	-	-		
Construction	890	-	-	-	230	230	230	230	200		
Contingency	233	-	-	11	60	60	60	60	42		
Total Expenditures	1,312	-	-	49	328	328	328	328	279	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Surface Water Utility	1,312	-	-	49	328	328	328	328	279
Total Funding	1,312	-	-	49	328	328	328	328	279

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

Pond Safety Improvements



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

Pond Safety Improvements	451	Summary Project Description:
CIP Category: Surface Water Mgmt		This project adds or replaces dilapidated wooden fencing with vinyl coated chainlink fencing at the following areas: Fence replacement for the entire pond located on Marine View Drive across from Taco Time; new fencing around the control panel and pump station adjacent to Taco Time; wooden fence replacement to the pond on 250th Street w/o 16th Ave.; wooden fence replacement to the ponds at 194th/5th and 193rd e/o 6th. A total of approximately 1,500 feet of fencing with gate assemblies.
Managing Department: Public Works		

Justification/Benefits: Ponds that have wooden fencing bordering adjacent properties need to be replaced with more durable vinyl coated chainlink fencing that will last longer. Several of the ponds have fencing that have been damaged from high winds and need to be replaced. The Washington Cities Insurance Authority (WCIA) also recommends that ponds with permanent pools be contained with a 6-foot fence for safety. The newly built electrical control panel and pump station adjacent to Taco Time also needs to be enclosed with a fence for safety/security.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	-	-									
Land & Right of Way	-	-									
Construction	48	-		48							
Contingency	10	-		10							
Total Expenditures	58	-	-	58	-	-	-	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Surface Water Utility	58	-		58							
Total Funding	58	-	-	58	-	-	-	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

Deepdene Plat Outfall Replacement



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

Deepdene Plat Outfall Replacement	451.828	Summary Project Description:
CIP Category: Surface Water Mgmt		This project assumes the replacement of 300 linear feet of outfall pipe with outfall diffuser and dissipator pad, and installing 2 catch basins and 150 feet of 12-inch pipe with road restoration for redirecting flows from the west side of Marine View Drive to the east side of MVD to avoid the slide area.
Managing Department: Plan, Build & PW Admin		

Justification/Benefits: In 2016, following heavy rains and shoreline erosion from high tides and strong waves, a landslide occurred at the base of the ravine adjacent to Puget Sound at 260th Street damaging the 8-inch storm pipe that serves the Deedene Plat as well as a short segment of Marine View Drive. This project assumes a full replacement of the existing storm outfall plastic (PVC) pipe that is buried with a more flexible and durable high-density polyethylene (HDPE) that is more appropriate for a slide area and can be placed above ground and anchored in a manner that protects the pipe if the earth shifts.

PROJECT SCOPE		ANNUAL ALLOCATION									
		Project to Date	Scheduled Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year
		12/31/16	2017	2018	2019	2020	2021	2022	2023		
Design			6	83							
Land & Right of Way											
Construction			12	215							
Contingency			4	90							
Total Expenditures			22	388							

Funding Sources		Project to Date	Scheduled Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year
		12/31/16	2017	2018	2019	2020	2021	2022	2023		
Surface Water Utility			22	388							
Total Funding			22	388							

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
		2017	2018	2019	2020	2021	2022
Operating Impact		-	-	-	-	-	-
Revenue		-	-	-	-	-	-
Expenses		-	-	-	-	-	-
Net Impact		-	-	-	-	-	-

5th Ave/212th Street Pipe Upgrade



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

5th Ave/212th Street Pipe Upgrade	451	Summary Project Description:
CIP Category: Surface Water Mgmt		Replacement of approximately 2,630 feet of cnp pipe with new 1,700 feet of 12-inch pipe and 930 feet of 18-inch pipe in the North Hill area in the vicinity of 212th Street and 5th Avenue South.
Managing Department: Plan, Build & PW Admin		

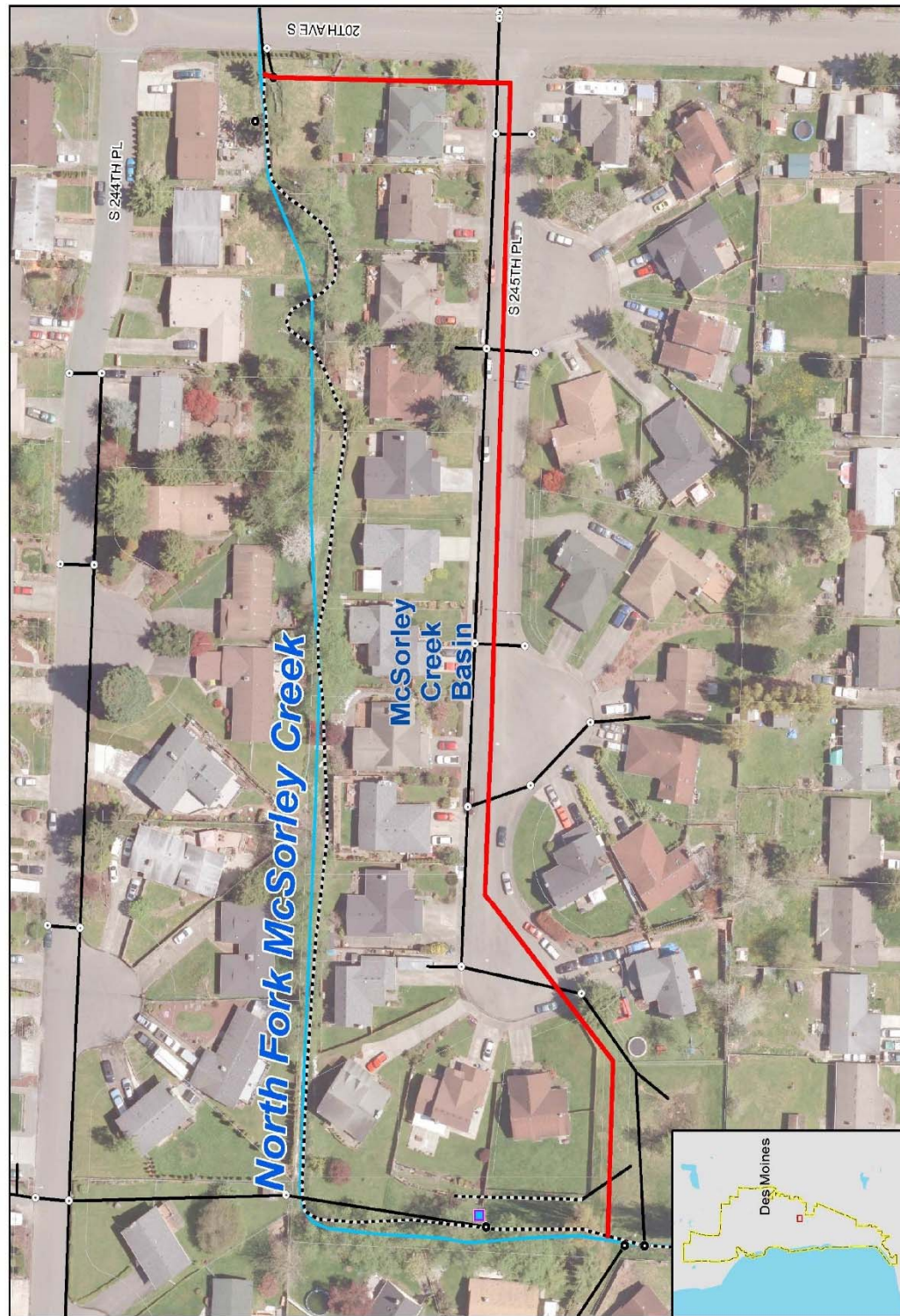
Justification/Benefits: This project will replace over 2,000 feet of aged corrugated metal pipe and upgrade over 900 feet of pipe to 18-inch pipe that has inadequate capacity during major storms. During two major storm events in 2013 and 2014, the pipe system overflowed creating significant erosion near the stairway at 212th Street and Des Moines Memorial Drive. The project will connect to the DMMD pipe upgrade installed in 2014. This project is identified as a high-priority project (CIP-16) in the 2015 Stormwater Comprehensive Plan.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	161	-	-	-	161	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-
Construction	529	-	-	-	529	-	-	-	-	-	-
Contingency	125	-	-	-	125	-	-	-	-	-	-
Total Expenditures	815	-	-	-	815	-	-	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Surface Water Utility	815	-	-	-	815	-	-	-	-
Total Funding	815	-	-	-	815	-	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

N. Fork McSorley Ck Diversion



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

N. Fork McSorley Ck Diversion	451	Summary Project Description:
CIP Category: Surface Water Mgmt		This project proposes to install a diversion structure on 20th Ave. S. between S. 244th Pl. and 245th Pl. From the diversion structure a new 24-in storm bypass pipe will be installed on the west side of 20th Avenue, turn west and follow the south side of 245th Pl and then to McSorley Creek. This project also includes pavement restoration, replacement of curb and gutter and minimal dredging of McSorley Creek and bank stabilization near the discharge point of the bypass pipe.
Managing Department: Plan, Build & PW Admin		

Justification/Benefits: When the Des Moines Trace Subdivision was developed in the early 1980's a segment of the north fork of McSorley Creek was relocated to a narrow rock lined channel within a 15-foot wide drainage easement along the north side of the subdivision (lots 14 through 25). Over time this channel has filled in with sediment and is overgrown with canary reed grass causing the channel to overtop and flood both the subdivision lots and the adjacent properties to the north. This project will provide a flow diversion whereby normal flows will continue into the creek section but high flows are bypassed to a lower point in the channel. As part of this project, the channel section across lots 17-25 will be dredged. This is a high-priority project (CIP-30) identified in the 2015 SWM Comprehensive Plan.

PROJECT SCOPE		ANNUAL ALLOCATION							
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Design	85	-	-	-	-	85	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-
Construction	281	-	-	-	-	281	-	-	-
Contingency	66	-	-	-	-	66	-	-	-
Total Expenditures	432	-	-	-	-	432	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Surface Water Utility	432	-	-	-	-	432	-	-	-
Total Funding	432	-	-	-	-	432	-	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

6th Ave/239th Pipe Replacement



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

6th Ave/239th Pipe Replacement		451	Summary Project Description:											
CIP Category: Surface Water Mgmt			This project proposes to replace the existing 8-inch drainage system on the west side of 6th Ave S. and connect to the drainage system on 239th Street. This project will also install a new 18-inch HDPE storm drain outfall from 239th St. to Puget Sound. The stairway above the outfall pipe will be replaced as part of this project.											
Managing Department: Plan, Build & PW Admin														
Justification/Benefits: During major storms the drainage system the small 8-inch conveyance system within 6th Avenue S. is overcome and overflows into the properties on the west side of the street. In addition, the outfall pipe from S. 239th is comprised of coated corrugated steel pipe that has separated in the lower section of the pipe that leads over the bank to the Sound. This project proposes to upgrade the 8-inch pipe on 6th Avenue to standard 12-inch and replace the corrugated steel outfall pipe with HDPE pipe. This project also proposes to replace the stairway that is located above the outfall pipe. This is a high-priority project (CIP-39) listed in the 2015 SWM Comprehensive Plan.														
PROJECT SCOPE			ANNUAL ALLOCATION											
Expenditures	Total Budget		Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023				
Design		38	-				38							
Land & Right of Way		-	-											
Construction		154	-				154							
Contingency		57	-				57							
Total Expenditures		249	-	-	-	-	249	-	-	-	-	-	-	-
Funding Sources														
Surface Water Utility		249	-	-	-	-	249	-	-	-	-	-	-	-
Total Funding		249	-	-	-	-	249	-	-	-	-	-	-	-
OPERATING IMPACT			ANNUAL OPERATING IMPACT											
Operating Impact	6 Year Total		2017	2018	2019	2020	2021	2022	2023					
Revenue		-	-	-	-	-	-	-	-	-	-	-	-	-
Expenses		-	-	-	-	-	-	-	-	-	-	-	-	-
Net Impact		-	-	-	-	-	-	-	-	-	-	-	-	-

14th Ave (268th to 272nd) Pipe Upgrade



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

14th Ave (268th to 272nd) Pipe Upgrade	451
CIP Category: Surface Water Mgmt Managing Department: Plan, Build & PW Admin	
Summary Project Description: This project proposes to upgrade the ditch and driveway culvert system along the west side of 14th Avenue with a new storm pipe as well as replace the existing culverts below 272nd Street and 268th Street. This project includes 900 linear of 36-inch diameter pipe, 6 manhole structures, an outfall dissipator, and minimal road restoration.	

Justification/Benefits: The culvert below 272nd Street is not sufficiently sized and is too shallow. During major storms the pipe system leading from the Redondo

Riveria subdivision (south of 272nd) backs up creating significant flooding within the subdivision particularly in the vicinity of 275th Place and 15th Place. North of 272nd St., the drainage system on 14th Avenue is comprised of a shallow ditch system with driveway culverts that are easily blocked exacerbating the problem south of 272nd Street. There is also significant erosion due to a drop of grade at the downstream end of the culvert at S. 268th Street. This project proposes to replace the culverts at 272nd Street and 268th Street and install a new 36-inch pipe system on the west side of 14th Avenue from 272nd Street to 270th Street. This project is a high-priority project (CIP-36) listed in the 2015 SWM Comprehensive Plan.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	94	-				94					
Land & Right of Way	-	-									
Construction	310	-				310					
Contingency	74	-				74					
Total Expenditures	478	-	-	-	-	478	-	-	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Surface Water Utility	478	-				478			
Total Funding	478	-	-	-	-	478	-	-	-

OPERATING IMPACT							ANNUAL OPERATING IMPACT				
Operating Impact							2017	2018	2019	2020	2021
Revenue							-	-	-	-	-
Expenses							-	-	-	-	-
Net Impact	-	-	-	-	-	-	-	-	-	-	-

216th Pl./ Marine View Dr. Pipe Upgrade



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

216th Pl./ Marine View Dr. Pipe Upgrade	451
CIP Category: Surface Water Mgmt	
Managing Department: Plan, Build & PW Admin	
Summary Project Description:	
This project proposes to upgrade the ditch along Des Moines Memorial Drive with 300 linear feet of new 18-inch diameter pipe and connecting to 170 linear feet of new larger 24-inch diameter storm system crossing the intersection of MVD (216th Place). The project also proposes to pipe the ditches on the west side of 6th Avenue connecting to the new pipe system on DMMD.	

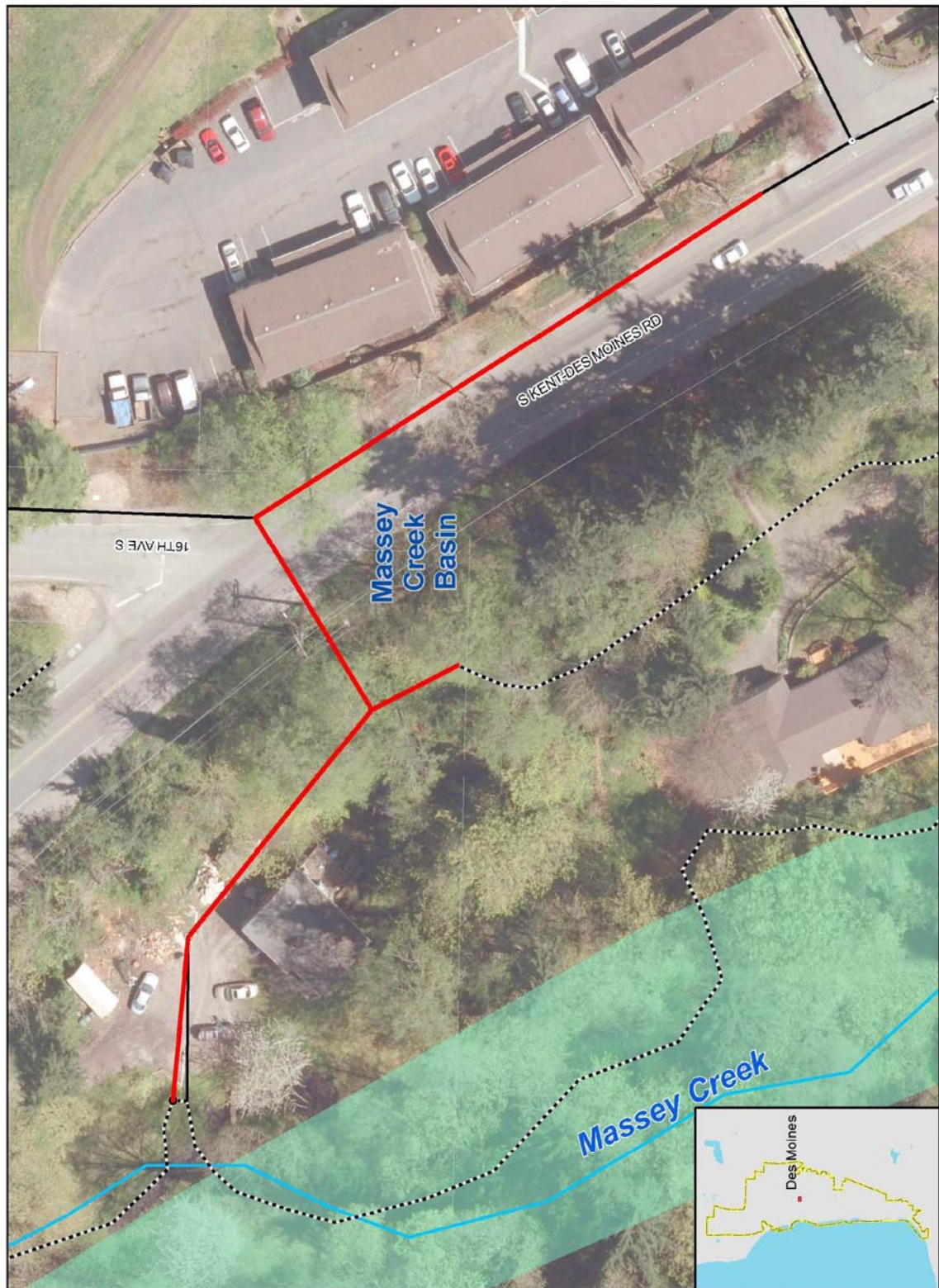
Justification/Benefits: Previous upgrades have occurred within the storm system downstream of the project and west of the project along 216th Place. This project proposes to upsized the 18-inch crossing at Marine View Drive to 24-inch as well as pipe the ditch along Des Moines Memorial Drive. Along the storm segment below MVD near the border of Normandy Park and Des Moines is a buried inaccessible structure that may become blocked with debris and cause backup and flooding of the intersection and overflow to areas of recent landslide activity. This project will be coordinated with the City of Normandy Park (cost share for the portion of project within Normandy Park not shown). This is a high-priority project (CIP-17) listed in the 2015 SWM Comprehensive Plan.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	61	-						61			
Land & Right of Way	-	-									
Construction	200	-						200			
Contingency	48	-						48			
Total Expenditures	309	-	-	-	-	-	-	309	-	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Surface Water Utility	309	-	-	-	-	-	-	309	-
Total Funding	309	-	-	-	-	-	-	309	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

KDM /16th Avenue Pipe Replacement



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

KDM /16th Avenue A Pipe Replacement	451	Summary Project Description:
CIP Category: Surface Water Mgmt		Replace approximately 300 feet of existing roadside ditch (east of 16th Avenue) along KDM Road with 24-inch storm pipe and connect to existing 18-inch culvert crossing KDM Rd at 16th Avenue. Install 50 feet new 24-inch storm drain southwest of KDM Road connecting to existing 18-inch culvert crossing and replace 350 feet of existing 24-inch corrugated metal pipe with larger 36-inch pipe downstream of the culvert crossing.
Managing Department: Plan, Build & PW Admin		

Justification/Benefits: During major storm events the capacity of the existing drainage system along Kent-Des Moines Road and the highway crossing will be exceeded causing runoff to overflow across KDM and flood the property downstream. In addition, the system on that property (located within a public drainage easement) that intercepts flows is also insufficiently sized and is prone to overtopping. This project proposes to replace the undersized pipes with 24-inch and 36-inch diameter pipes. This is a high-priority project (CIP-25A) listed in the 2015 SWM Comprehensive Plan and to be coordinated with projects CIP-4 and CIP-25B that would take a portion of the flows west to a new outfall pipe at Barnes Creek (rather than upsizing the 18-inch corrugated aluminum crossing below KDM Road.)

PROJECT SCOPE		ANNUAL ALLOCATION							
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Design	54	-					54		
Land & Right of Way	-	-							
Construction	176	-					176		
Contingency	42	-					42		
Total Expenditures	272	-	-	-	-	-	272	-	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Surface Water Utility	272	-					272		
Total Funding	272	-	-	-	-	-	272	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

DMMD 208th to 212th Pipe Project	451
CIP Category: Surface Water Mgmt	
Managing Department: Plan, Build & PW Admin	
Summary Project Description: Replace approximately 1500 feet of existing roadside ditch and corrugated metal pipe along the west side of Des Moines Memorial Drive from 208th Street to 212th Street. Includes installation of 14 manhole structures and minimal road restoration.	

Justification/Benefits: The ditch and culvert system along the west side of Des Moines Memorial Drive is insufficient to convey a 25-year storm causing water to pool in the south bound lane of Des Moines Memorial Drive. This project proposes to replace the existing corrugated metal pipe and ditch system with approximately 1500 feet of new 18-inch pipe that would connect to the pipe replacement work made on Des Moines Memorial Drive in 2014. This project is a high priority project (CIP-18) listed in the 2015 SWM Comprehensive Plan.

PROJECT SCOPE		ANNUAL ALLOCATION							
		Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Design	119	-	-	-	-	-	119	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-
Construction	391	-	-	-	-	-	391	-	-
Contingency	93	-	-	-	-	-	93	-	-
Total Expenditures	603	-	-	-	-	-	603	-	-

Funding Sources		Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Surface Water Utility	603	-	-	-	-	-	603	-	-
Total Funding	603	-	-	-	-	-	603	-	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT						
Operating Impact		2017	2018	2019	2020	2021	2022	2023
Revenue	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-
Net Impact		-	-	-	-	-	-	-

8th Avenue (264th to 265th)



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

8th Ave (264th to 265th)	451
CIP Category: Surface Water Mgmt Managing Department: Public Works	
Summary Project Description: This project proposes to install approximately 910 feet of 12 inch storm pipe, 9 catch basins along the west side of 8th Avenue and replace an existing manhole at the intersection of S 265th Place and 8th Avenue where the new storm drain system connects to the existing system.	

Justification/Benefits: Presently most of the runoff from 8th Avenue sheetflows on the properties west of 8th Avenue and is not collected into the existing system located on the east side of the road. The purpose of this project is to collect and prevent runoff from 8th Avenue from exacerbating a landslide hazard located west of the project. This is a high priority project listed in the 2015 SWM Comprehensive Plan.

PROJECT SCOPE		ANNUAL ALLOCATION							
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Design	30							30	
Land & Right of Way	-								
Construction	210							210	
Contingency	30							30	
Total Expenditures	270	-	-	-	-	-	-	270	-

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Surface Water Utility	270							270	
Total Funding	270	-	-	-	-	-	-	270	-

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

KDM/16th Ave B Pipe Replacement



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

KDM/16th Ave B Pipe Replacement	451	Summary Project Description:
CIP Category: Surface Water Mgmt		Install a new stormwater conveyance system on the west side of 16th Avenue S consisting of approximately 1220 feet of 12 inch pipe and 6 catch basins. Replace the existing ditch along the north side of Kent-DesMoines Road (KDM) with approximately 935 feet of 36 inch pipe and 9 storm drain manholes. The new 16th Ave S storm system will connect to the new system on KDM and outfall to Barnes Creek.
Managing Department: Plan, Build & PW Admin		

Justification/Benefits: During periods of heavy rainfall, runoff from 16th Avenue will overtop Kent-Des Moines Road (KDM) and erode/flood the properties on the south side of the road. This project will better collect the runoff from the west side of 16th Avenue and the north side of KDM and allow the abandonment of at least one KDM storm crossing. The project will also enclose the existing ditch system along KDM for vehicle and pedestrian safety. This project is a high priority project (CIP-25B) listed in the 2015 SWM Comprehensive Plan.

PROJECT SCOPE		ANNUAL ALLOCATION									
Expenditures	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023		
Design	176							176			
Land & Right of Way	-										
Construction	572							572			
Contingency	132							132			
Total Expenditures	880							880			

Funding Sources	Total Budget	Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
Surface Water Utility	880							880	
Total Funding	880							880	

OPERATING IMPACT		ANNUAL OPERATING IMPACT					
Operating Impact	6 Year Total	2017	2018	2019	2020	2021	2022
Revenue	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-
Net Impact	-	-	-	-	-	-	-

232nd Street (10th to 14th) Pipe Project



CITY OF DES MOINES
2018 -2023 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

232nd Street (10th to 14th) Pipe Project 451

CIP Category: Surface Water Management

Managing Department: Public Works

Summary Project Description:

Install 2200-2300 linear feet of storm pipe along the north side of 232nd Street between 10th Avenue and 14th Avenue and along the east side of 10th Avenue between 232nd and Kent-Des Moines Road. Project also includes adding a 2-foot paved shoulder and curb on the north side of 232nd.

Justification/Benefits: The drainage along 232nd is comprised of a ditch with a series of driveway culverts. The slope of the existing drainage system is extremely shallow and slow to drain and during certain storm events, flows encroach into the east bound travel lane. This proposed project will add a new drainage system to the north side of the 232nd (with lateral crossings to the south side) and replace the existing 12-inch storm drain along the east side of 10th Avenue with a larger 18-inch pipe before discharging to Massey Creek.

PROJECT SCOPE	
Expenditures	Total Budget
Design	101
Land & Right of Way	-
Construction	431
Contingency	97
Total Expenditures	629

ANNUAL ALLOCATION							
Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
							101
							431
							97
							629

Funding Sources	Total Budget
Surface Water Utility	629
Total Funding	629

Project to Date 12/31/16	Scheduled Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	Plan Year 2022	Plan Year 2023
							629
							629

OPERATING IMPACT	
Operating Impact	6 Year Total
Revenue	-
Expenses	-
Net Impact	-

ANNUAL OPERATING IMPACT							
	2017	2018	2019	2020	2021	2022	2023
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

GLOSSARY OF TERMS

ADA: Acronym for “Americans with Disabilities Act.”

ARRA: Acronym for “American Recovery and Reinvestment Act” or commonly referred to as *The Stimulus* or *The Recovery Act*

ASARCO: Acronym for “American Smelting and Refining Company.”

ASE: Acronym for “Automated Speed Enforcement” Program, which addresses traffic safety in school zones: 1) Woodmont Elementary School (16th Avenue South); and 2) Midway Elementary School and Pacific Middle School (24th Avenue South).

BFP: Boating Facilities Program state grant, administered by the Washington State Recreation and Conservation Office (RCO).

BRAC: Acronym for “Bridge Replacement Advisory Committee,” which advises WSDOT’s Highways and Local Programs (H&LP) Director to help inform the selection of bridge projects for funding from WSDOT’s Highway Bridge Program (HBP).

CDBG: Acronym for “Community Development Block Grant.”

CIP: Acronym for “Capital Improvement Plan.”

CMAQ: Acronym for “Congestion Mitigation and Air Quality.”

CTED: Acronym for “Community, Trade and Economic Development.”

Capital Expenditure: An expenditure which leads to the acquisition of a physical asset with a cost between \$5,000 and \$25,000 and a useful life of at least one year. Such expenditures are charged through an individual department’s operating budget and do not include those provided for in the Capital Improvement Plan project budget.

Capital Facility: A structure, improvement, piece of equipment or other major asset, including land, which has a useful life of at least five years. Capital facilities are provided by or for public purposes and services.

Capital Improvement: A project to create, expand, or modify a capital facility. The project may include design, permitting, environmental analysis, land acquisition, construction, landscaping, site improvements, initial furnishings and equipment and studies related to need and implementation. The project cost must exceed \$25,000 and have a useful life of five years.

Capital Improvement Plan: An approach or technique for identifying and forecasting capital outlay decisions that a government expects to make over a six year period.

Capital Outlay: Expenditures that result in the acquisition of or addition to capital assets.

Capital Project: The largely one-time cost for acquisition, construction, improvement, replacement or renovation of land structures and improvements thereon.

Comprehensive Plan: A method to utilize and strengthen the existing role, processes, and powers of local governments to establish and implement comprehensive planning programs which guide and control future development.

Contingency: A budgetary reserve set aside for emergency or unanticipated expenditures.

DMLF: Acronym for “Des Moines Legacy Foundation.”

DMMD: Acronym for “Des Moines Memorial Drive.”

Debt: An obligation resulting from the borrowing

Debt Service: The payment of principal and interest on borrowed funds and required contributions to accumulate monies for future retirement of bonds.

Debt Reserve: Monies restricted for the payment of principal and interest on outstanding bonds, usually based on the average annual debt service due on the outstanding bonds. A bond covenant that provides additional security for bond holders.

DOE: Acronym for “Department of Ecology.”

EDA: Acronym for “Economic Development Administration.”

EECBG: Acronym for “Energy Efficiency and Conservation Block Grant Program” which provides funds used for energy efficiency and conservation programs and projects community wide, as well as renewable energy installations on government buildings.

Expenditure/Expense: This term refers to the outflow of funds paid for an asset obtained or goods and services obtained.

FEMA: Acronym for “Federal Emergency Management Agency.”

FHWA: Acronym for “Federal Highway Administration.”

Fund: A fiscal/accounting entity that is established to accomplish specific objectives and carry out specific activities. The operation of each fund is accounted for by providing a separate set of self-balancing accounts that comprise its assets, liabilities, fund equity, revenues and expenditures.

Fund Balance: Fund equity that reflects the accumulated excess of revenues and other financing sources over expenditures and other uses.

General Fund: The General Fund accounts for all revenues and expenditures not required to be accounted for in another fund. As is usual in state and local governments, it is the largest and most important accounting entity of the City.

General Governmental: The term describes funding and programs related to activities such as public safety, parks, transportation, and public health. Revenues to support such activities are generated primarily from taxes and user fees.

General Obligation Bonds: Bonds that finance a variety of public projects that are backed by the full faith and credit of the issuing government.

GIS: Acronym for “Geographical Information System.”

GO: Acronym for “General Obligation” Bonds.

Grant: A contribution by Federal, State, and other jurisdiction or organization to support a particular function.

HES: Acronym for “Hazard Elimination Safety.”

HOV: Acronym for “High Occupancy Vehicle.”

HSPF: Acronym for “Hydrological Simulation Program – Fortran.”

HVAC: Acronym for “Heating, Ventilating, and Air Conditioning.”

IAC: Acronym for Washington State Interagency Committee for Outdoor Recreation. This agency now is called Recreation and Conservation Office (RCO).

ILA: Acronym for “Interlocal Agreement”.

Impact Fees: A payment of money imposed by the City upon development activity as a condition of issuance of a building permit to pay for public facilities needed to serve new growth and development, and to mitigate the impacts of the development activity on the existing public facilities.

Infrastructure: The physical assets of a government (e.g., streets, bridges, water, sewer, storm systems, public buildings, parks, etc.).

In-Lieu: A payment alternative for funding capital expenditures.

Interfund Transfer: The movement of monies between funds of the same government entity.

ISTEA: Acronym for “Intermodal Surface Transportation Efficiency Act of 1991”.

KDM: Acronym for “Kent Des Moines” Road.

Level of Service: A quantifiable measure of the amount of public facility that is provided. Typically, measure of levels of service are expressed as ratios of facility capacity to demand.

LID: A Local Improvement District, or special assessments made against certain properties to defray part or all of the cost of a specific improvement or service deemed to primarily benefit those properties.

MCI: Acronym for “Municipal Capital Improvement” Fund.”

Ordinance: A formal legislative enactment by the governing body of a municipality. If it is not in conflict with any higher form of law, such as a state statute or constitutional provision, it has the full force and effect of law within the boundaries of the municipality to which it applies.

POS: Acronym for “Port of Seattle.”

PSE: Acronym for “Puget Sound Energy.”

Pac Hwy: Pacific Highway South.

Park In-Lieu Fees: A voluntary payment of money from a subdivision or multi-family development as an alternative to providing open space or park land for recreation purposes.

Pay-As-You-Go Basis: A term used to describe the financial policy of a government that finances all of its capital outlays from current revenues rather than borrowing. A government that pays for some improvements from current expenses and by borrowing is said to be on a modified pay-as-you-go basis.

Program: A distinct function of city government provided to the public or a function providing support to the direct services of other city departments.

Proprietary: The term describes funding and programs related to government owned public facilities that serve the public such as water, sewer, and surface water utilities, or recreation facilities such as marinas. Revenues to support such activities are generated primarily from user rates.

Public Facilities: Streets, roads, highways, bridges, sidewalks, street and road lighting systems, traffic signals, domestic water systems, storm and sanitary sewer systems, and parks and recreational facilities, including the necessary ancillary and support facilities under the ownership of the City of Des Moines or other government entity.

Public Services: Fire protection and suppression, law enforcement, public health, education, recreation, environmental protections, and other governmental services.

PWTF Loan: Acronym for “Public Works Trust Fund Loan”.

RAB: Acronym for “Round-a-bout.”

RCO: The Washington State Recreation and Conservation Office (formerly the Office of the Interagency Committee, also known as IAC).

REET: Acronym for “Real Estate Excise Tax”.

ROW: Right-of-Way

Resolution: A special or temporary order of a legislative body; an order of a legislative body requiring less legal formality than an ordinance or statute.

Revenue: Money that flows into the local government. It is recurring if it is received on a consistent basis (e.g., sales taxes and property taxes) and nonrecurring if it is received irregularly (e.g., federal and state grants).

Revenue Bonds: Revenue bonds are used for such public projects that will generate revenue producing facilities. Unlike general obligation bonds, revenue bonds are not backed by the full financial resources of the jurisdiction. Instead, security is offered by pledging revenues generated from the new facility.

SJUM: Acronym for “Steven J. Underwood Memorial” Park.

SRTS: Acronym for “Safe Routes to School.”

STP: Acronym for “Surface Transportation Program.”

SWM: Acronym for “Surface Water Management” Fund.”

Tax: Compulsory charge levied by a government to finance services performed for the common benefit.

TEA21: Acronym for “Transportation Equity Act for the 21st Century.”

TIA: Acronym for “Transportation Improvement Account.”

TIB: Acronym for “Transportation Improvement Board,” an independent state agency that makes and manages street construction and maintenance grants throughout Washington State.

TPP: Acronym for “Transportation Partnership Program.”

User Fee: The payment of a fee for a direct receipt of a public service by the party benefiting from the service.

WRIA: Acronym for “Water Resource Inventory Area.”

WSDOT: Acronym for “Washington State Department of Transportation.”