RESOLUTION NO. 1365

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF DES MOINES, WASHINGTON, relating to capital improvements planning, adopting the 2018-2023 City of Des Moines Capital Improvements Plan, and superseding Resolution No. 1336.

WHEREAS, the City Council of the City of Des Moines adopted the 2017-2022 Capital Improvement Plan by Resolution No. 1336, and

WHEREAS, the City Council finds it to be in the public interest to adopt the 2018-2023 Capital Improvements Plan; now therefore,

THE CITY COUNCIL OF THE CITY OF DES MOINES RESOLVES AS FOLLOWS:

Sec. 1. The City of Des Moines Capital Improvements Plan 2018-2023 is adopted by reference, as a guide for future capital improvement projects and policies.

Sec. 2. The City Manager is directed to submit to the City Council, for approval or adoption, annual updates to the Des Moines Capital Improvements Plan at least once a year.

Sec. 3. The City Manager is directed to submit to the City Council, for approval or adoption, amendments to specific projects contained in the Capital Improvements Plan when any project exceeds or will exceed budgetary authorization.

Sec. 4. The City Manager is directed to submit to the City Council, for approval, significant changes to the scope of any project contained in the Capital Improvements Plan as adopted in this Resolution. Determinations regarding what constitutes a significant change in a CIP project shall rest with the City Manager, provided in all circumstances that the provisions of section 3 are enforced. Finally, three City Councilmembers may determine a significant change has occurred or is proposed to occur with respect to any project contained in the CIP, which determination shall bring the matter before the full City Council for approval or authorization.

Sec. 5. Any new capital project meeting the criteria for inclusion in the CIP shall not be authorized without review and amendment to the 2018-2023 Capital Improvement Plan by the City Council.

Sec. 6. Capital Improvements Plan projects identified in the Comprehensive Transportation Plan (CTP) as "Intersection and Roadway Capacity Improvement Projects" are eligible for funding by Transportation Impact Fees authorized under Ordinance No. 1322. Eligible projects shall be funded from Transportation Impact Fees,

to the extent such funds are available, in the following priority order:

(1) Payment of debt service on bonds or loans for CTP-identified eligible projects.

(2) Reimbursement of past CIP transportation capital expenditures for CTP-identified eligible projects.

(3) Reimbursement of current CIP transportation capital expenditures for CTP-identified eligible projects.

(4) Use as matching funds required to obtain grants for CTP-identified eligible projects.

Sec. 7. Resolution No. 1336 is hereby superseded.

ADOPTED BY the City Council of the City of Des Moines, Washington this 27th day of July, 2017, and signed in authentication thereof this 27th day of July, 2017.

MAYOR

APPROVED AS TO FORM:

Assistant City Attorney

ATTEST:

City Clerk

2018-2023

CAPITAL IMPROVEMENTS PLAN

Resolution No. 1365
Adopted by the City Council
on July 27, 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 theses 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 MUNICPAL IMPROVEMENTS									
	Economic Development Projects									
17	N. Lot Fishing Pier Paid Parking	610	29	581	-	-	-	-	-	-
19	Redondo Paid Parking	200	-	-	200	-	-	-	-	-
	Total Econ Dev & Tourism	810	29	581	200	-	-	-	-	-
	Building Facility Projects									
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	Police HVAC	277	-	-	-	277	-	-	-	-
33	LED Exterior Lighting	34	-	-	-	-	34	-	-	-
35	Founders' Lodge Exterior Paint	90	-	-	-	-	90	-	-	-
37	Engineer Bldg Windows	25	-	-	-	-	25	-	-	-
39	City Hall Canopy Repairs	55	-	-	-	-	55	-	-	-
41	PW Service Center Interior Painting	60	-	-	-	-	-	60	-	-
43	Field House Interior Paint	35	-	-	-	-	-	35	-	-
45	Police Dept Storage Building	445	-	-	-	-	-	-	-	445
47	Activity Center Irrigation/Landscape	65	-	-	-	-	-	-	-	65
49	City Hall Parking Lot	260	-	-	-	-	-	-	-	260
	Total Building Facilities	2,034	-	316	372	277	204	95	-	770
	Technology Projects									
51	Financial System Replacement	252	-	75	177	-	-	-	-	-
	Total Technology	252	-	75	177	-	-	-	-	-
	Park Facility & Playground Projects									
53	BP Picnic Shelter/Restrooms	623	242	381	-	-	-	-	-	-
55	Parkside Playground	508	72	436	-	-	-	-	-	-
57	Parkside Soil Remediation	202	-	202	-	-	-	-	-	-
59	Field House Tennis Court	25	-	25	-	-	-	-	-	-
61	Midway Park Play Equipment	25	-	2	23	-	-	-	-	-
63	Kiddie Park Play Equipment	228	-	27	201	-	-	-	-	-
65	Field House Play Equipment	194	-	15	179	-	-	-	-	-
67	Cecil Powell Play Equipment	103	-	13	-	90	-	-	-	-
69	Westwood Play Equipment	67	-	7	-	60	-	-	-	-
71	Wooton Park	210	-	18	-	93	99	-	-	-
73	Water Tower Park Play Equipment	66	-	6	-	-	60	-	-	-
75	SJU Play	401	-	67	-	334	-	-	-	-
77	City Park Renovation	95	-	-	95	-	-	-	-	-
79	DMBP Sun Home Lodge Rehab	638	-	-	66	572	-	-	-	-
81	Field House Play Field/Skate Park	151	-	-	-	151	-	-	-	-
83	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 MUNICPAL IMPROVEMENTS									
	Waterfront Facility Projects									
85	North Bulkhead	5,700	-	400	2,500	2,800	-	-	-	-
87	N Lot Restrooms, Plazas & Promenade	750	-	-	100	650	-	-	-	-
89	Redondo Floats	110	-	-	-	110	-	-	-	-
91	Redondo Fishing Pier Replace Decking	225	-	-	-	225	-	-	-	-
93	Redondo Restroom & Plaza	400	-	-	-	-	-	-	-	400
	Total Waterfront Facilities	7,185	-	400	2,600	3,785	-	-	-	400
	Transportation - Operating Projects									
95	Arterial Street Pavement Preservation	6,772	-	64	1,178	925	925	925	925	1,830
97	Arterial Traffic Calming	180	-	30	150	-	-	-	-	-
99	Sidewalk Program	140	-	20	20	20	20	20	20	20
101	Guardrail Program	75	-	-	25	-	25	-	25	-
	Total Transport - O&M Projects	7,167	-	114	1,373	945	970	945	970	1,850
	Transportation - Capital Projects									
103	Gateway - S 216th Segment 1A	5,573	5,271	302	-	-	-	-	-	-
105	Midway 24th Ave Sidewalk	396	31	72	293	-	-	-	-	-
107	Barnes Creek Trail	7,864	650	414	30	250	3,020	200	1,650	1,650
109	Redondo Board Walk Replacement	4,721	4,698	23	-	-	-	-	-	-
111	South 268th Street Sidewalk	982	774	208	-	-	-	-	-	-
113	24th Ave/Sea-Tac Intersection	30	-	30	-	-	-	-	-	-
115	Marine View Dr / South 240th St. Intersection Improvement	2,133	-	35	365	1,733	-	-	-	-
117	South 216th - Segment 3	5,879	-	613	134	5,132	-	-	-	-
119	S 224th St Improvements	606	-	-	606	-	-	-	-	-
121	16th Ave - Seg 5A	129	-	-	129	-	-	-	-	-
123	S 223rd Walkway Improvements	150	-	-	150	-	-	-	-	-
125	Downtown Alley Improvement	541	-	-	-	71	470	-	-	-
127	South 236th Lane	2,191	-	-	-	200	200	1,791	-	-
129	Redondo Area Street Improvements	70	-	-	-	-	70	-	-	-
131	South 240th Street Improve - Seg 1	6,300	-	-	-	-	735	5,565	-	-
133	South 240th Street Improve - Seg 2	4,850	-	-	-	-	435	4,415	-	-
135	Kent-Des Moines Rd - Seg 2	7,200	-	-	-	-	-	985	6,215	-
137	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	**71,724**	**6,496**	**4,005**	**6,816**	**13,783**	**6,948**	**13,996**	**9,185**	**4,670**

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
	MARINA CAPITAL IMPROVEMENTS									
139	Dock Electrical Replacements	300	-	60	-	60	60	60	60	-
141	Flex Conduits & Fuel Hose Replacement	41	-	41	-	-	-	-	-	-
143	Marina Fiber Optic Cable	150	-	150	-	-	-	-	-	-
145	Fuel Dispenser	60	-	-	60	-	-	-	-	-
147	Tenant Restroom Replacement	150	-	-	-	150	-	-	-	-
149	Marina Dock Replacement	1,400	-	-	-	-	-	-	-	1,400
	Total Marina	**2,101**	**-**	**251**	**60**	**210**	**60**	**60**	**60**	**1,400**
	SURFACE WATER MANAGEMENT CAPITAL									
151	Barnes Crk/Kent-Des Moines Rd Culvert	1,878	387	336	1,155	-	-	-	-	-
153	Lower Massey Creek Channel Modifications	1,864	1,553	311	-	-	-	-	-	-
155	S. 251st Street Storm Outfall	370	59	311	-	-	-	-	-	-
157	24th Ave Pipeline Replacement/Upgrade	536	-	52	484	-	-	-	-	-
159	16th & 17th Place Storm Pipe Connections	175	-	175	-	-	-	-	-	-
161	S. 223rd Stormwater Improvements	328	-	49	279	-	-	-	-	-
163	Deepdene Plat Outfall Replacement	410	-	22	388	-	-	-	-	-
165	216th/11th Ave Intersection Pipe Replacement	328	-	49	-	279	-	-	-	-
167	Pond Safety Improvements	58	-	-	58	-	-	-	-	-
169	5th Ave/212th Street Pipe Upgrade	815	-	-	-	815	-	-	-	-
171	Pipe Replacement Program	984	-	-	-	49	328	328	279	-
173	N. Fork McSorley Ck Diversion	432	-	-	-	-	432	-	-	-
175	6th Ave/239th Pipe Replacement	249	-	-	-	-	249	-	-	-
177	14th Ave (268th to 272nd) Pipe Upgrade	478	-	-	-	-	478	-	-	-
179	216th Pl./ Marine View Dr. Pipe Upgrade	309	-	-	-	-	-	309	-	-
181	KDM /16th Avenue A Pipe Replacement	272	-	-	-	-	-	272	-	-
183	DMMD 208th to 212th Pipe Project	603	-	-	-	-	-	603	-	-
185	8th Ave (264th to 265th)	270	-	-	-	-	-	-	270	-
187	KDM/16th Ave B Pipe Replacement	880	-	-	-	-	-	-	880	-
189	232nd Street (10th to 14th) Pipe Project	629	-	-	-	-	-	-	-	629
	Total Surface Water Mgmt	**11,868**	**1,999**	**1,305**	**2,364**	**1,143**	**1,487**	**1,512**	**1,429**	**629**
	TOTAL CITY WIDE	**85,693**	**8,495**	**5,561**	**9,240**	**15,136**	**8,495**	**15,568**	**10,674**	**6,699**

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	-	-	-	-	-	-	-
97	Arterial Traffic Calming	150	-	-	150	-	-	-	-	-
	Total General Fund	**275**	**125**	**-**	**150**	**-**	**-**	**-**	**-**	**-**
	FRANCHISE FEES									
95	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**
	COMPUTER REPLACEMENT FUND									
51	Financial System Replacement	192	71	121	-	-	-	-	-	-
	Total Computer Replacement Fund	**192**	**71**	**121**	**-**	**-**	**-**	**-**	**-**	**-**
	REDONDO ZONE									
129	Redondo Area Street Improvements	70	-	-	-	-	70	-	-	-
	Total Redondo Zone Parking	**70**	**-**	**-**	**-**	**-**	**70**	**-**	**-**	**-**
	AUTOMATED SPEED ENFORCE (ASE)									
105	Midway 24th Ave Sidewalk	268	208	-	60	-	-	-	-	-
111	South 268th Street Sidewalk	40	40	-	-	-	-	-	-	-
97	Arterial Traffic Calming	30	-	30	-	-	-	-	-	-
99	Sidewalk Program	140	-	20	20	20	20	20	20	20
123	S 223rd Walkway Improvements	44	-	-	44	-	-	-	-	-
	Total ASE	**522**	**248**	**50**	**124**	**20**	**20**	**20**	**20**	**20**
	TRANSPORTATION BENEFIT DISTRICT									
95	Arterial Street Pavement Preservation	3,450	347	373	455	455	455	455	455	455
	Total Transporation Benefit District	**3,450**	**347**	**373**	**455**	**455**	**455**	**455**	**455**	**455**
	REET 1st QTR %									
109	Redondo Board Walk Replacement	426	411	15	-	-	-	-	-	-
107	Barnes Creek Trail	1,374	48	240	30	250	200	100	253	253
85	North Bulkhead	400	-	400	-	-	-	-	-	-
53	BP Picnic Shelter/Restrooms	41	-	117	(54)	(22)	-	-	-	-
25	Court Security Improvements	183	-	54	129	-	-	-	-	-
27	Police Security Improvements	183	-	45	138	-	-	-	-	-
59	Field House Tennis Court	25	-	25	-	-	-	-	-	-
19	Redondo Paid Parking	200	-	-	200	-	-	-	-	-
79	DMBP Sun Home Lodge Rehab	3	-	-	3	-	-	-	-	-
45	Police Dept Storage Building	445	-	-	-	-	-	-	-	445
49	City Hall Parking Lot	260	-	-	-	-	-	-	-	260
	Total REET 1st Qtr %	**3,540**	**459**	**896**	**446**	**228**	**200**	**100**	**253**	**958**
	REET - 2nd QTR %									
111	South 268th Street Sidewalk	97	34	63	-	-	-	-	-	-
55	Parkside Playground	102	11	91	-	-	-	-	-	-
17	N. Lot Fishing Pier Paid Parking	485	-	485	-	-	-	-	-	-
75	SJU Play	109	-	67	-	42	-	-	-	-
63	Kiddie Park Play Equipment	27	-	27	-	-	-	-	-	-
71	Wooton Park	160	-	18	-	43	99	-	-	-
65	Field House Play Equipment	15	-	15	-	-	-	-	-	-
67	Cecil Powell Play Equipment	13	-	13	-	-	-	-	-	-
69	Westwood Play Equipment	67	-	7	-	60	-	-	-	-
73	Water Tower Park Play Equipment	66	-	6	-	-	60	-	-	-
57	Parkside Soil Remediation	2	-	2	-	-	-	-	-	-
61	Midway Park Play Equipment	25	-	2	23	-	-	-	-	-
87	N Lot Restrooms, Plazas & Promenade	250	-	-	100	150	-	-	-	-
101	Guardrail Program	75	-	-	25	-	25	-	25	-
91	Redondo Fishing Pier Replace Decking	67	-	-	-	67	-	-	-	-
89	Redondo Floats	40	-	-	-	40	-	-	-	-
93	Redondo Restroom & Plaza	200	-	-	-	-	-	-	-	200
	Total REET 2nd Qtr %	**1,800**	**45**	**796**	**148**	**402**	**184**	**-**	**25**	**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									
107	Barnes Creek Trail	288	288	-	-	-	-	-	-	-
53	BP Picnic Shelter/Restrooms	289	129	84	54	22	-	-	-	-
	Repay REET temp used for BP Picnic/Restroom				*(54)*	*(22)*				
	Total King County Park Levy	**577**	**417**	**84**	**-**	**-**	**-**	**-**	**-**	**-**
	-									
	PARK IN LIEU									
83	Beach Park Promenade & Play Equip	380	-	-	-	90	290	-	-	-
	Total Park in Lieu	**380**	**-**	**-**	**-**	**90**	**290**	**-**	**-**	**-**
	-									
	ONE TIME REVENUE									
23	City Hall Generator	164	-	164	-	-	-	-	-	-
147	Tenant Restroom Replacement	150	-	-	150	-	-	-	-	-
25	Court Security Improvements	47	-	-	47	-	-	-	-	-
87	N Lot Restrooms, Plazas & Promenade	500	-	-	-	500	-	-	-	-
	Total One Time Revenue	**861**	**-**	**164**	**197**	**500**	**-**	**-**	**-**	**-**
	-									
	TRAFFIC IN LIEU									
121	16th Ave - Seg 5A	129	129	-	-	-	-	-	-	-
103	Gateway - S 216th Segment 1A	851	727	124	-	-	-	-	-	-
115	Marine View Dr / South 240th St. Intersection Improvement	447	-	-	100	347	-	-	-	-
127	South 236th Lane	1,091	-	-	-	1,091	-	-	-	-
125	Downtown Alley Improvement	441	-	-	-	71	370	-	-	-
133	South 240th Street Improve - Seg 2	2,900	-	-	-	-	235	2,665	-	-
135	Kent-Des Moines Rd - Seg 2	20	-	-	-	-	-	20	-	-
	Total Traffic in Lieu	**5,879**	**856**	**124**	**100**	**1,509**	**605**	**2,685**	**-**	**-**
	-									
	TRANSPORTATION CIP FUND									
103	Gateway - S 216th Segment 1A	894	853	41	-	-	-	-	-	-
119	S 224th St Improvements	606	606	-	-	-	-	-	-	-
111	South 268th Street Sidewalk	326	182	144	-	-	-	-	-	-
107	Barnes Creek Trail	68	68	-	-	-	-	-	-	-
109	Redondo Board Walk Replacement	50	50	-	-	-	-	-	-	-
	Total Transportation CIP Fund	**1,944**	**1,759**	**185**	**-**	**-**	**-**	**-**	**-**	**-**
	-				-	-	-	-	-	-
	TRAFFIC IMPACT CITY WIDE									
117	South 216th - Segment 3	2,722	-	284	62	2,376	-	-	-	-
103	Gateway - S 216th Segment 1A	252	-	252	-	-	-	-	-	-
105	Midway 24th Ave Sidewalk	128	-	105	23	-	-	-	-	-
115	Marine View Dr / South 240th St. Intersection Improvement	200	-	35	165	-	-	-	-	-
113	24th Ave/Sea-Tac Intersection	30	-	30	-	-	-	-	-	-
123	S 223rd Walkway Improvements	106	-	-	106	-	-	-	-	-
127	South 236th Lane	1,100	-	-	-	1,100	-	-	-	-
107	Barnes Creek Trail	400	-	-	-	-	100	100	100	100
135	Kent-Des Moines Rd - Seg 2	330	-	-	-	-	-	330	-	-
137	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									
149	Marina Dock Replacement	1,400	-	200	200	200	200	200	200	200
139	Dock Electrical Replacements	300	-	60	-	60	60	60	60	-
143	Marina Fiber Optic Cable	150	-	150	-	-	-	-	-	-
141	Flex Conduits & Fuel Hose Replacement	41	-	41	-	-	-	-	-	-
51	Financial System Replacement	30	15	15	-	-	-	-	-	-
145	Fuel Dispenser	60	-	-	60	-	-	-	-	-
	Total Marina Revenues	**1,981**	**15**	**466**	**260**	**260**	**260**	**260**	**260**	**200**
		-								
	SURFACE WATER UTILITY									
153	Lower Massey Creek Channel Modifications	1,437	1,126	311	-	-	-	-	-	-
151	Barnes Crk/Kent-Des Moines Rd Culvert	1,878	387	336	1,155	-	-	-	-	-
155	S. 251st Street Storm Outfall	370	59	311	-	-	-	-	-	-
159	16th & 17th Place Storm Pipe Connections	175	-	175	-	-	-	-	-	-
157	24th Ave Pipeline Replacement/Upgrade	536	-	52	484	-	-	-	-	-
161	S. 223rd Stormwater Improvements	328	-	49	279	-	-	-	-	-
163	Deepdene Plat Outfall Replacement	410	-	22	388	-	-	-	-	-
165	216th/11th Ave Intersection Pipe Replacement	328	-	49	-	279	-	-	-	-
51	Financial System Replacement	30	15	15	-	-	-	-	-	-
167	Pond Safety Improvements	58	-	-	58	-	-	-	-	-
169	5th Ave/212th Street Pipe Upgrade	815	-	-	-	815	-	-	-	-
171	Pipe Replacement Program	984	-	-	-	49	328	328	279	-
173	N. Fork McSorley Ck Diversion	432	-	-	-	-	432	-	-	-
175	6th Ave/239th Pipe Replacement	249	-	-	-	-	249	-	-	-
177	14th Ave (268th to 272nd) Pipe Upgrade	478	-	-	-	-	478	-	-	-
179	216th Pl./ Marine View Dr. Pipe Upgrade	309	-	-	-	-	-	309	-	-
181	KDM /16th Avenue A Pipe Replacement	272	-	-	-	-	-	272	-	-
183	DMMD 208th to 212th Pipe Project	603	-	-	-	-	-	603	-	-
185	8th Ave (264th to 265th)	270	-	-	-	-	-	-	270	-
187	KDM/16th Ave B Pipe Replacement	880	-	-	-	-	-	-	880	-
189	232nd Street (10th to 14th) Pipe Project	629	-	-	-	-	-	-	-	629
	Total Surface Water Utility	**11,471**	**1,587**	**1,320**	**2,364**	**1,143**	**1,487**	**1,512**	**1,429**	**629**
		-								
	FACILITY MAJOR MAINT/REPAIR									
31	Police HVAC	277	-	-	138	139	-	-	-	-
29	Building Access System	58	-	-	58	-	-	-	-	-
35	Founders' Lodge Exterior Paint	90	-	-	-	-	90	-	-	-
39	City Hall Canopy Repairs	55	-	-	-	-	55	-	-	-
33	LED Exterior Lighting	34	-	-	-	-	34	-	-	-
37	Engineer Bldg Windows	25	-	-	-	-	25	-	-	-
41	PW Service Center Interior Painting	60	-	-	-	-	-	60	-	-
43	Field House Interior Paint	35	-	-	-	-	-	35	-	-
47	Activity Center Irrigation/Landscape	65	-	-	-	-	-	-	-	65
	Total Facility Major Maint/Repair	**699**	**-**	**-**	**196**	**139**	**204**	**95**	**-**	**65**
		-								
	LOCAL GRANTS									
153	Lower Massey Creek Channel Modifications	427	427	-	-	-	-	-	-	-
107	Barnes Creek Trail	464	44	-	-	-	420	-	-	-
103	Gateway - S 216th Segment 1A	26	26	-	-	-	-	-	-	-
53	Parkside Playground	36	11	25	-	-	-	-	-	-
77	City Park Renovation	95	-	-	95	-	-	-	-	-
79	DMBP Sun Home Lodge Rehab	93	-	-	63	30	-	-	-	-
81	Field House Play Field/Skate Park	151	-	-	-	151	-	-	-	-
75	SJU Play	75	-	-	-	75	-	-	-	-
131	South 240th Street Improve - Seg 1	3,380	-	-	-	-	365	3,015	-	-
135	Kent-Des Moines Rd - Seg 2	3,600	-	-	-	-	-	635	2,965	-
	Total Local Grants	**8,347**	**508**	**25**	**158**	**256**	**785**	**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.)*									
103	Gateway - S 216th Segment 1A	2,579	2,694	(115)	-	-	-	-	-	-
109	Redondo Board Walk Replacement	1,857	1,801	56	-	-	-	-	-	-
53	BP Picnic Shelter/Restrooms	293	112	181	-	-	-	-	-	-
117	South 216th - Segment 3	3,157	-	329	72	2,756	-	-	-	-
57	Parkside Soil Remediation	200	-	200	-	-	-	-	-	-
85	North Bulkhead	2,000	-	-	2,000	-	-	-	-	-
115	Marine View Dr / South 240th St. Intersection Improvement	1,486	-	-	100	1,386	-	-	-	-
79	DMBP Sun Home Lodge Rehab	542	-	-	-	542	-	-	-	-
75	SJU Play	167	-	-	-	167	-	-	-	-
91	Redondo Fishing Pier Replace Decking	158	-	-	-	158	-	-	-	-
89	Redondo Floats	70	-	-	-	70	-	-	-	-
83	Beach Park Promenade & Play Equip	380	-	-	-	-	380	-	-	-
131	South 240th Street Improve - Seg 1	2,670	-	-	-	-	370	2,300	-	-
133	South 240th Street Improve - Seg 2	1,750	-	-	-	-	200	1,550	-	-
135	Kent-Des Moines Rd - Seg 2	3,000	-	-	-	-	-	-	3,000	-
93	Redondo Restroom & Plaza	200	-	-	-	-	-	-	-	200
	Total State Grants	**20,509**	**4,607**	**651**	**2,172**	**5,079**	**950**	**3,850**	**3,000**	**200**
		-								
	FEDERAL GRANTS *(Includes: STP, FMSIB, etc.)*									
109	Redondo Board Walk Replacement	2,388	2,386	2	-	-	-	-	-	-
103	Gateway - S 216th Segment 1A	578	578	-	-	-	-	-	-	-
111	South 268th Street Sidewalk	431	430	1	-	-	-	-	-	-
107	Barnes Creek Trail	5,270	352	24	-	-	2,300	-	1,297	1,297
55	Parkside Playground	370	50	320	-	-	-	-	-	-
63	Kiddie Park Play Equipment	201	-	-	201	-	-	-	-	-
65	Field House Play Equipment	179	-	-	179	-	-	-	-	-
	Total Federal Grants	**9,417**	**3,796**	**347**	**380**	**-**	**2,300**	**-**	**1,297**	**1,297**
		-								
	PRIVATE CONTRIBUTIONS									
111	South 268th Street Sidewalk	88	88	-	-	-	-	-	-	-
103	Gateway - S 216th Segment 1A	68	68	-	-	-	-	-	-	-
21	Activity Center Exterior Paint	53	-	53	-	-	-	-	-	-
67	Cecil Powell Play Equipment	90	-	-	-	90	-	-	-	-
71	Wooton Park	50	-	-	-	50	-	-	-	-
75	SJU Play	50	-	-	-	50	-	-	-	-
133	South 240th Street Improve - Seg 2	200	-	-	-	-	200	-	-	-
125	Downtown Alley Improvement	100	-	-	-	-	100	-	-	-
83	Beach Park Promenade & Play Equip	15	-	-	-	-	15	-	-	-
131	South 240th Street Improve - Seg 1	250	-	-	-	-	-	250	-	-
135	Kent-Des Moines Rd - Seg 2	250	-	-	-	-	-	-	250	-
	Total Private Contributions	**1,214**	**156**	**53**	**-**	**190**	**315**	**250**	**250**	**-**
		-								
	DEBT PROCEEDS									
103	Gateway - S 216th Segment 1A	325	325	-	-	-	-	-	-	-
85	North Bulkhead	3,300	-	-	3,300	-	-	-	-	-
	Total Debt Proceeds	**3,625**	**325**	**-**	**3,300**	**-**	**-**	**-**	**-**	**-**
	TOTAL REVENUE SOURCES	**85,693**	**15,321**	**6,863**	**11,276**	**14,217**	**8,695**	**13,777**	**10,874**	**4,594**
		-								

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

CIP Category: Waterfront Facility Project

Managing Department: Marina

Summary Project Description:
Install a "Pay on Leaving" parking system in the north and south parking lots on the Marina floor.

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	9	-	9						
Land & Right of Way	-	-							
Construction	596	29	567						
Contingency	5	-	5						
Total Expenditures	**610**	**29**	**581**	**-**	**-**	**-**	**-**	**-**	**-**

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	485		485						
Total Funding	**610**	**125**	**485**	**-**	**-**	**-**	**-**	**-**	**-**

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

CIP Category: Waterfront Facility Project

Managing Department: Marina

Summary Project Description:
Equip the Redondo parking lot with an automated pay parking system including gates, ticket dispensers and a pay station.

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

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:
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.

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	*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*
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

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

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.

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*	*2023*
Revenue	-	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-	-
Net Impact	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Court Security Improvements

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

Court Security Improvements	310

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:
GR 36 Court Security Improvements

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*	*2023*
Revenue	-	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-	-
Net Impact	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Police Security Improvements

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

Police Security Improvements	310

CIP Category: Building Facility Project

Managing Department: Plan, Build, & PW Admin

Summary Project Description:
Police Services Center Lobby Improvements

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

CIP Category: Building Facility Project

Managing Department: IT

Summary Project Description:
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.

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*	*2023*
Revenue	-	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-	-
Net Impact	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Police HVAC

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

Police HVAC	506

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Replacement of the Mechanical and HVAC Equipment in the Police Department Building. Nearly all of the mechanical equipment waqs installed in 1996 and has reached its useful life. This project is a replacement of the current assets and beyond "maintenance" activity.

Justification/Benefits: The current HVAC equipment is requiring increased maintenance due to the age of the components. The combined costs for thoese items exceeds the typical maintenance thresholds on an annual basis.

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	267	-			267				
Contingency	-	-							
Total Expenditures	**277**	**-**	**-**	**-**	**277**	**-**	**-**	**-**	**-**

Funding Sources	***Total***	***Project to Date***	***Scheduled Year***	***Plan Year***	***Plan Year***	***Plan Year***	***Plan Year***	***Plan Year***	***Plan Year***
Facility Repair & Replace Fund	277			138	139				
Total Funding	**277**	**-**	**-**	**138**	**139**	**-**	**-**	**-**	**-**

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

LED Exterior Lighting

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

LED Exterior Lighting	506.705

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:			
Activity Center	$4,000	SJU Park	$2,100
PW Service Ctr	$7,200		
City Hall	$9,100		
PW Engineering	$2,750		
Police	$5,200		
Field House	$3,500		

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*	*2023*
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

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Repair siding and paint the outside of the Founders' Lodge.

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	*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	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

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Replace upstairs windows and Information Systems' windows.

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

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Repair the structural timbers and steel beams to prevent further deterioration while maintaining the same aesthetic look of the walkway.

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

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

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

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*	*2023*
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

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Paint the inside of the Field House.

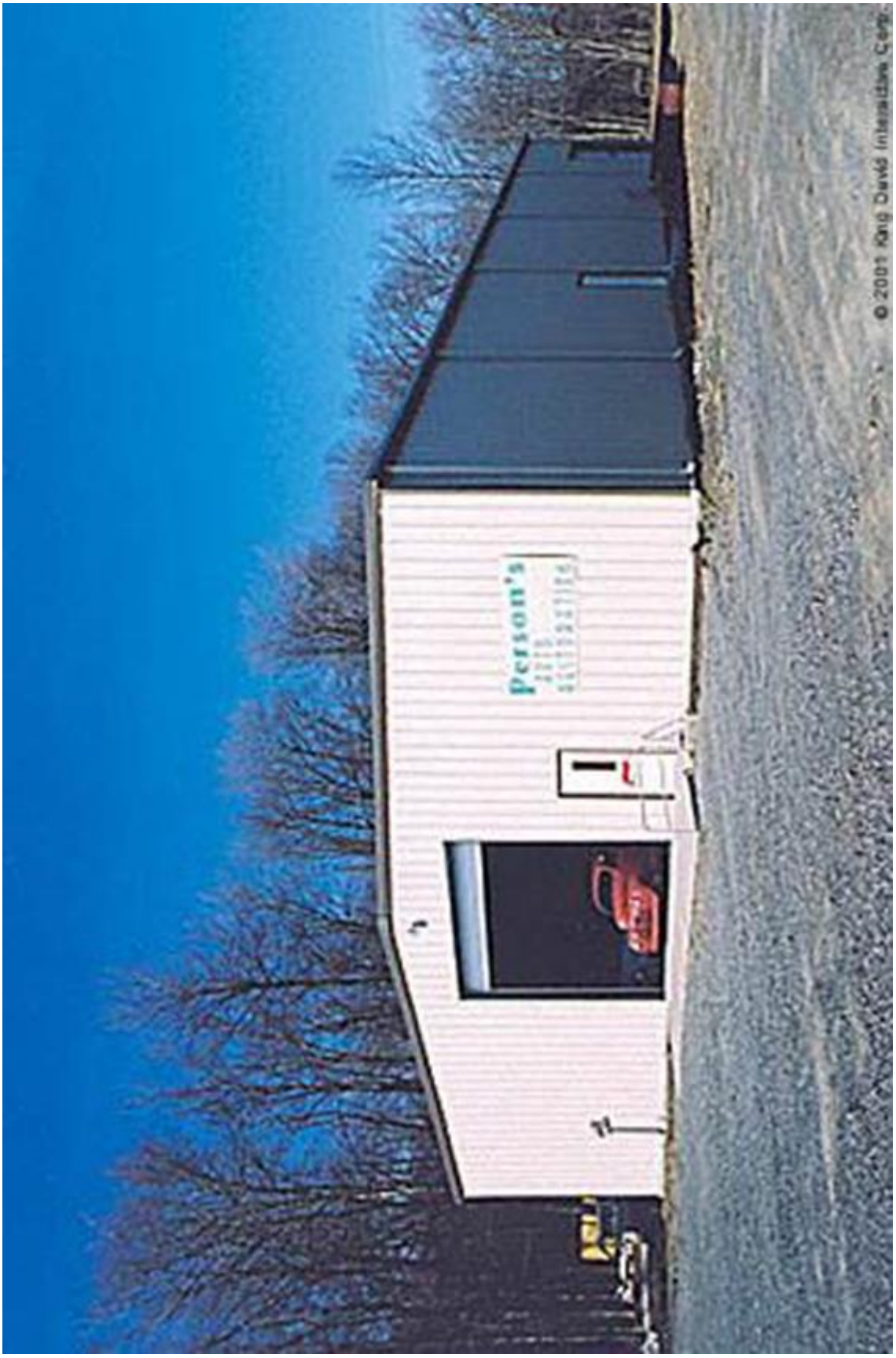
Justification/Benefits: It has been some time since the last painting. This building is used quite heavily by the public. New paint would enhance the interior looks for renters and daily users.

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*	*2023*
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

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Construction of a new building behind the existing City Shop and Engineering offices to store property seized by police actions.

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*	*2023*
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

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Irrigate and landscape the front lawn area between the building and South 216th Street.

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

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

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.

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	*6 Year Total*		*2017*	*2018*	*2019*	*2020*	*2021*	*2022*	*2023*
Revenue	-	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-	-
Net Impact	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Financial System Replacement

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

Financial System Replacement	310.514

CIP Category: Technology Project

Managing Department: Finance

Summary Project Description:
Replace the financial software and upgrade related server. Replacement system will be a fully integrated system containing general ledger, budgeting, payroll, human resources, accounts payable, accounts receivable, centralized cashiering and project accounting modules.

Justification/Benefits: The current financial system was purchased in 2002 and is reaching its technological end of life. The software provider has indicated it will not update the financial system to accommodate future operating system upgrades.

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	252	-	75	177					
Contingency	-	-							
Total Expenditures	**252**	**-**	**75**	**177**	**-**	**-**	**-**	**-**	**-**

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*
Computer Replacement Fund	192	71	121						
Marina Rates	30	15	15						
Surface Water Utility	30	15	15						
Total Funding	**252**	**101**	**151**	**-**	**-**	**-**	**-**	**-**	**-**

OPERATING IMPACT		*ANNUAL OPERATING IMPACT*							
Operating Impact	*6 Year Total*		*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

CIP Category: Park Facility Projects

Managing Department: Parks, Recr & Sr Services

Summary Project Description:

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.

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***	***2023***
Revenue	-	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-	-
Net Impact	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Parkside Playground

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

Parkside Playground	310.062

CIP Category: Park Facility Projects

Managing Department: Parks, Recr & Sr Services

Summary Project Description:

Redesign and upgrades to this park -- new paths, play equipment, sport court upgrades.

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	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*	*2023*
Revenue	-	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-	-
Net Impact	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Parkside Soil Remediation

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

Parkside Soil Remediation	310.065

CIP Category: Park Facility Projects

Managing Department: Parks, Recr & Sr Services

Summary Project Description:

Removal of contaminated soils and replacement with new clean soils as part of the Parkside Playground project.

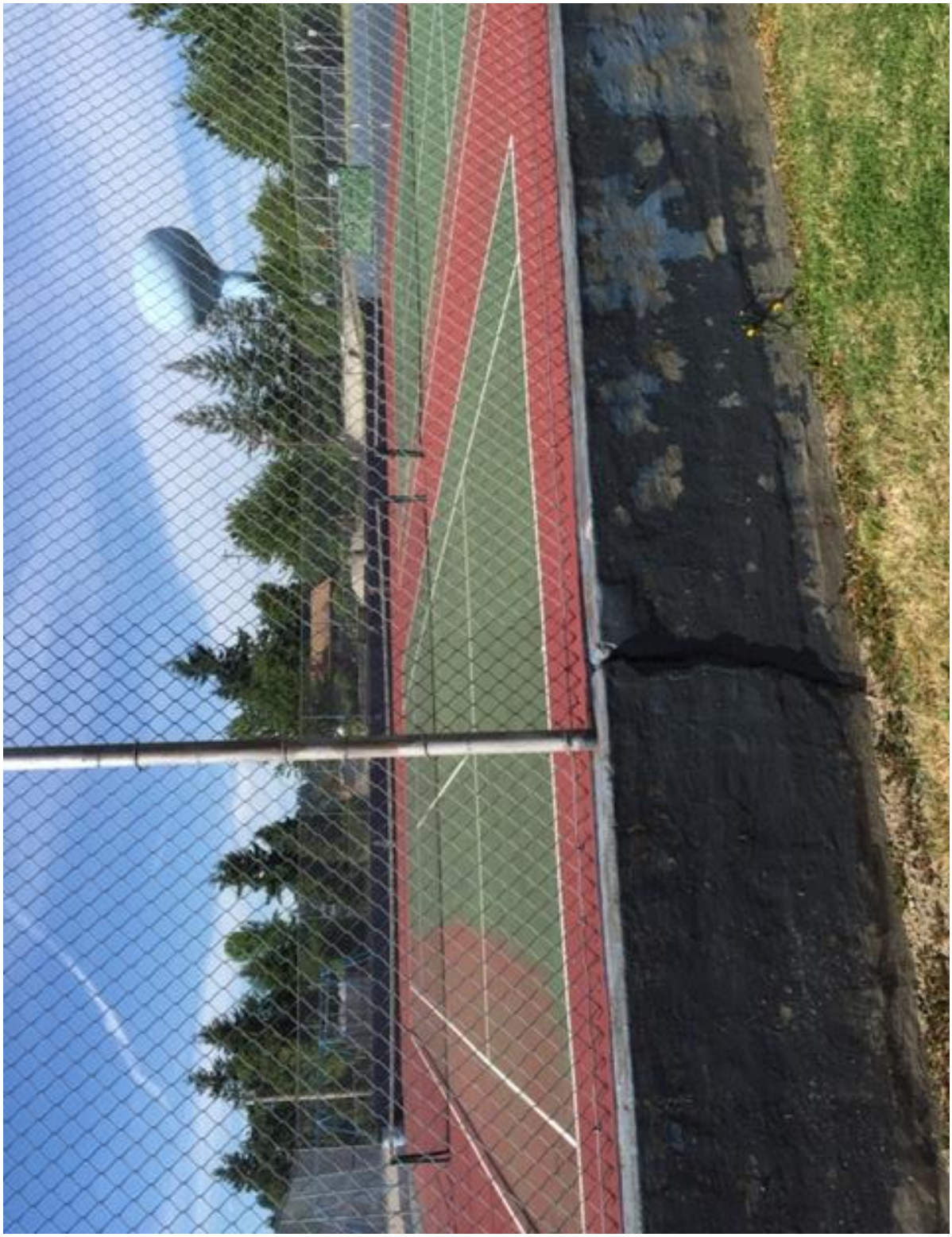
Justification/Benefits:

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*	*2023*
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

CIP Category: Park Facility Projects

Managing Department: Parks, Recr & Sr Services

Summary Project Description:
Repaint the tennis court at the Field House.

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

CIP Category: Park Facility Projects

Managing Department: Parks, Recr. & Sr. Services

Summary Project Description:

Repair the 13 year old play equipment to meet safety and ADA standards.

Justification/Benefits: Midway Park was rennovated 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

CIP Category: Park Facility Projects

Managing Department: Parks, Recr. & Sr. Services

Summary Project Description:

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.)

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			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						
Federal Grants	201			201					
Total Funding	**228**	**-**	**27**	**201**	**-**	**-**	**-**	**-**	**-**

OPERATING IMPACT		*ANNUAL OPERATING IMPACT*							
Operating Impact	*6 Year Total*		*2017*	*2018*	*2019*	*2020*	*2021*	*2022*	*2023*
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

CIP Category: Park Facility Projects

Managing Department: Parks, Recr & Sr Services

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.

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						
Federal Grants	179			179					
Total Funding	**194**	**-**	**15**	**179**	**-**	**-**	**-**	**-**	**-**

OPERATING IMPACT		*ANNUAL OPERATING IMPACT*							
Operating Impact	***6 Year Total***		***2017***	***2018***	***2019***	***2020***	***2021***	***2022***	***2023***
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

CIP Category: Park Facility Projects

Managing Department: Parks, Recr & Sr Services

Summary Project Description:

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.

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***	***2023***
Revenue	-	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-	-
Net Impact	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Westwood Play Equipment

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

Westwood Play Equipment	310

CIP Category: Park Facility Projects

Managing Department: Parks, Recr & Sr Services

Summary Project Description:

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.

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*	*2023*
Revenue	-	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-	-
Net Impact	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Wooton Park Play Equipment

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

Wooton Park	310.066

CIP Category: Park Facility Projects

Managing Department: Parks, Recr & Sr Services

Summary Project Description:

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.

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*							
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	18	-	18						
Land & Right of Way	-	-							
Construction	174	-			93	81			
Contingency	18	-				18			
Total Expenditures	**210**	**-**	**18**	**-**	**93**	**99**	**-**	**-**	**-**

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	160		18		43	99			
Private Contributions	50				50				
Total Funding	**210**	**-**	**18**	**-**	**93**	**99**	**-**	**-**	**-**

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

Water Tower Park Play Equipment

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

Water Tower Park Play Equipment

CIP Category: Park Facility Projects

Managing Department: Parks, Recr & Sr Services

Summary Project Description:

Replace the play structure and sand surfacing. Park renovation will include ADA compliance.

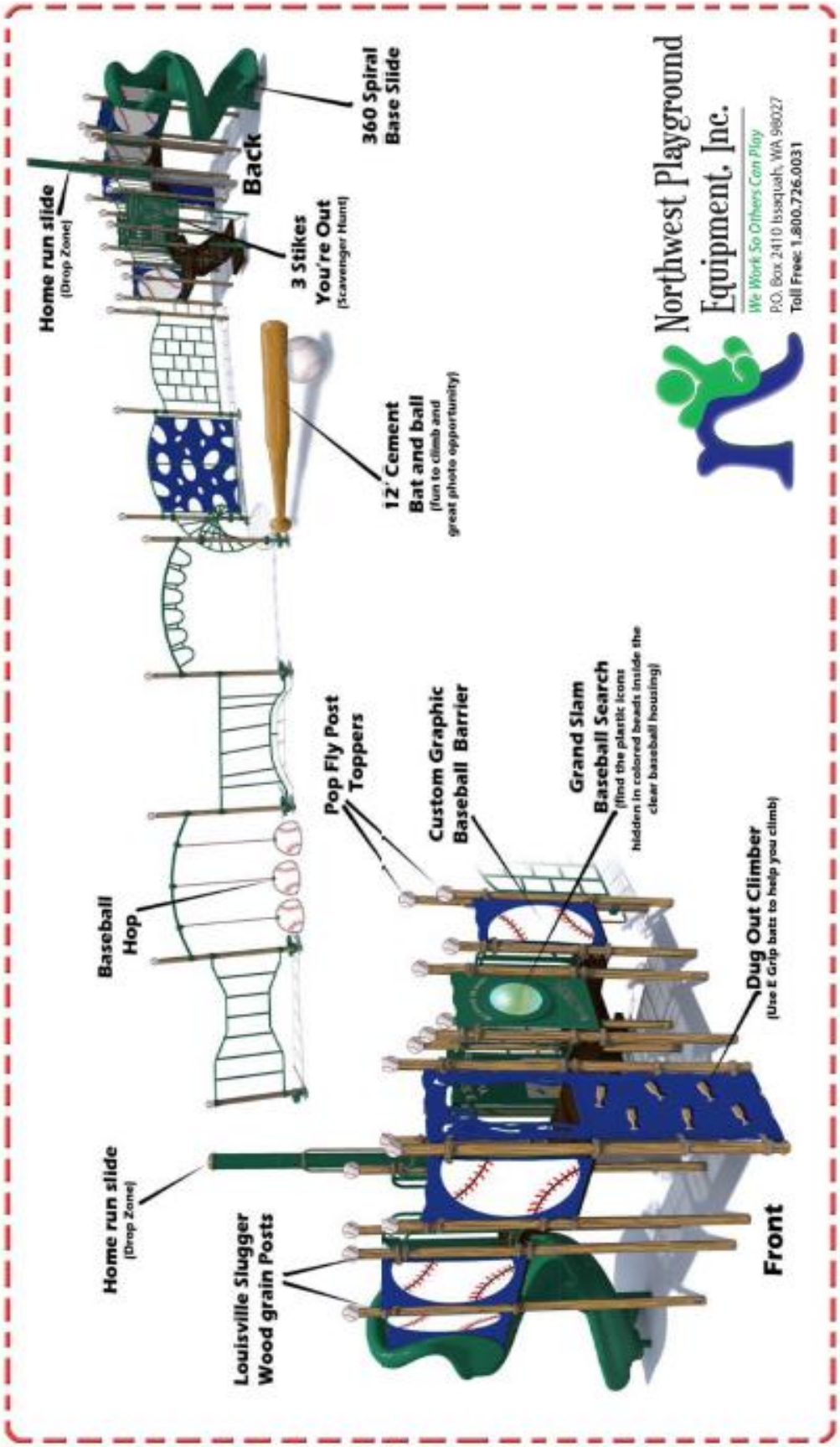
Justification/Benefits: The 20 year old Water Tower Park play equipment was installed by the Des Moines Rotary Club in the 1990s. The installation of new equipment will require meeting ADA access requirements. This play equipment is in the best condition of those in the system and could be postponed 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*	*2023*
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

CIP Category: Park Facility Projects

Managing Department: Parks, Recr & Sr Services

Summary Project Description:
Install play equipment.

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*	*2023*
Revenue	-	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-	-
Net Impact	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

City Park Renovation

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

City Park Renovation	310

CIP Category: Park Facility Projects

Managing Department: Parks, Recr. & Sr. Services

Summary Project Description:

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.)

Justification/Benefits: City Park is the first Des Moines Park amenities such as trials 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*	*2023*
Revenue	-	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-	-
Net Impact	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

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DMBP Sun Home Lodge Rehab

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

DMBP Sun Home Lodge Rehab	310.056

CIP Category: Park Facility Projects

Managing Department: Parks, Recr & Sr Services

Summary Project Description:

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.

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***	***2023***
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

CIP Category: Park Facility Projects

Managing Department: Parks, Recr & Sr Services

Summary Project Description:

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.

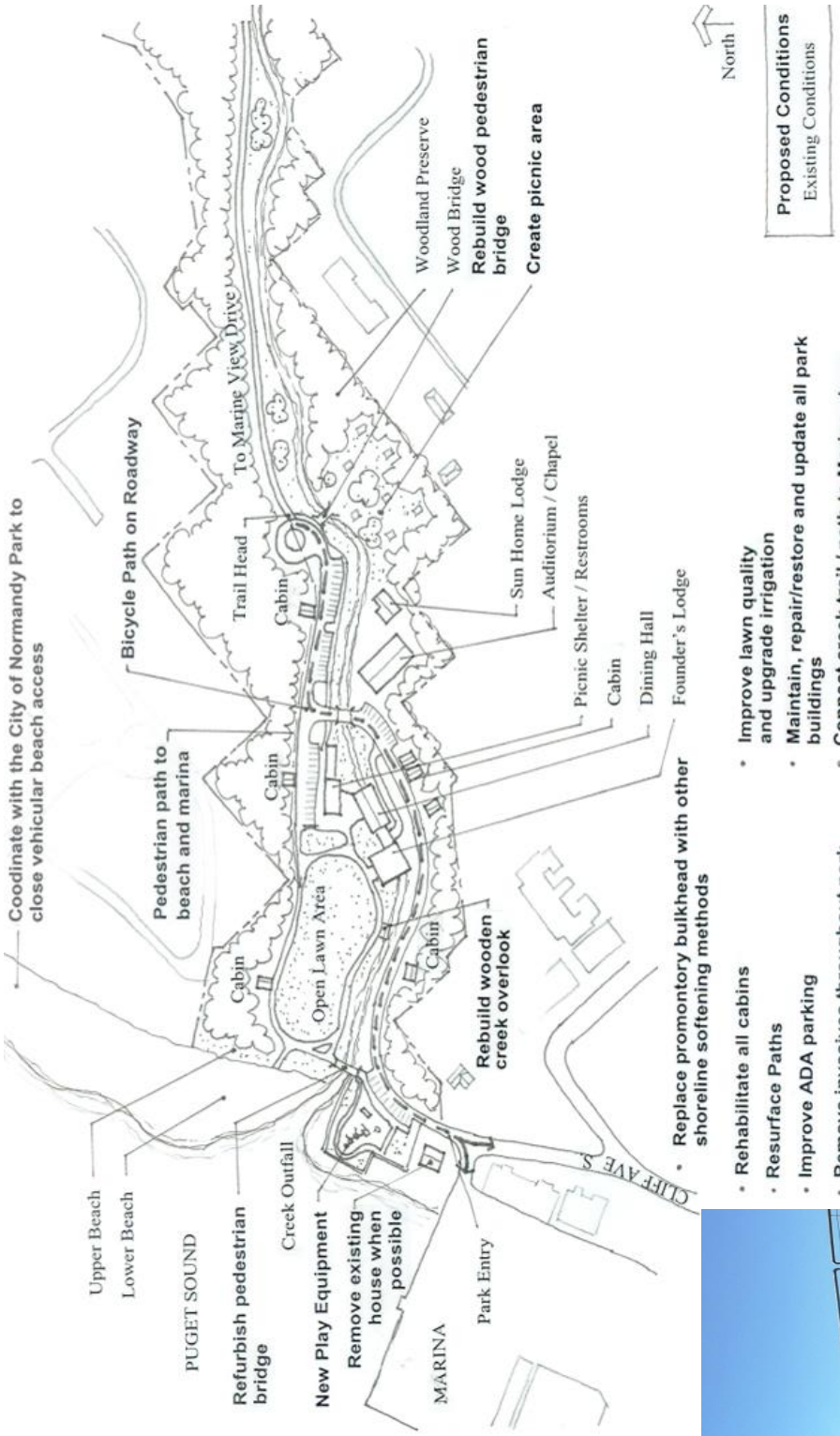
Justification/Benefits: Repair field drainage is needed for safe playing conditions. Poor drainage creates pools of mud and rutting as well as program rainouts. There are very few fields for baseball, softball and soccer in Des Moines. The skate park was built in 1996 and needs a facelift for continued 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*	*2023*
Revenue	-	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-	-
Net Impact	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Beach Park Promenade & Play Equipment



- 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
- 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 sighs with updated signs

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

Beach Park Promenade & Play Equip	310

CIP Category: Park Facility Projects

Managing Department: Parks, Recr & Sr Services

Summary Project Description:

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

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		*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	90	-			90				
Land & Right of Way	-	-							
Construction	605	-				605			
Contingency	80	-				80			
Total Expenditures	**775**	**-**	**-**	**-**	**90**	**685**	**-**	**-**	**-**

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***
Park in-Lieu	380				90	290			
State of Washington Grants (Unconfirmed)	380					380			
Private Contributions	15					15			
Total Funding	**775**	**-**	**-**	**-**	**90**	**685**	**-**	**-**	**-**

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

North Bulkhead

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

North Bulkhead	310

CIP Category: Waterfront Facility Project

Managing Department: Marina

Summary Project Description:

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.

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	900	-	400	500					
Land & Right of Way	-	-							
Construction	4,300	-		2,000	2,300				
Contingency	500	-			500				
Total Expenditures	**5,700**	**-**	**400**	**2,500**	**2,800**	**-**	**-**	**-**	**-**

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	400		400						
State of Washington Grants (Unconfirmed)	2,000			2,000					
Debt Proceeds	3,300			3,300					
Total Funding	**5,700**	**-**	**400**	**5,300**	**-**	**-**	**-**	**-**	**-**

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

North Lot Restrooms, Plazas & Promenade

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

N Lot Restrooms, Plazas & Promenade	310

CIP Category: Waterfront Facility Project

Managing Department: Marina

Summary Project Description:

Demolish and replace exiting restroom in the north parking lot and create 10,000 square foot public plaza in the northwest corner of the parking lot. Add vertical extension to the bulkhead in front of the Wasson property and create an additional 1,800 square foot plaza. Includes 480ft of 8ft wide sidewalk to connect the two new plazas and the Beach Park. This is Project #3 on the Legislative capital support request.

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	100	-		100					
Land & Right of Way	-	-							
Construction	600	-			600				
Contingency	50	-			50				
Total Expenditures	**750**	**-**	**-**	**100**	**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 2	250			100	150				
One Time Tax	500				500				
Total Funding	**750**	**-**	**-**	**100**	**650**	**-**	**-**	**-**	**-**

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

Redondo Floats

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

Redondo Floats	310

CIP Category: Waterfront Facility Project

Managing Department: Marina

Summary Project Description:

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.

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	100	-			100				
Contingency	10	-			10				
Total Expenditures	**110**	**-**	**-**	**-**	**110**	**-**	**-**	**-**	**-**

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	40				40				
State of Washington Grants (Unconfirmed)	70				70				
Total Funding	**110**	**-**	**-**	**-**	**110**	**-**	**-**	**-**	**-**

OPERATING IMPACT		*ANNUAL OPERATING IMPACT*							
Operating Impact	***6 Year Total***		***2017***	***2018***	***2019***	***2020***	***2021***	***2022***	***2023***
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		*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	200	-			200				
Contingency	25	-			25				
Total Expenditures	**225**	**-**	**-**	**-**	**225**	**-**	**-**	**-**	**-**

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				67				
State of Washington Grants (Unconfirmed)	158				158				
Total Funding	**225**	**-**	**-**	**-**	**225**	**-**	**-**	**-**	**-**

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

Redondo Restroom & Plaza

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

Redondo Restroom & Plaza	310

CIP Category: Waterfront Facility Project

Managing Department: Marina

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.

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
Land & Right of Way	-	-							
Construction	6,522	-		1,142	895	895	895	895	1,800
Contingency	66	-		16	10	10	10	10	10
Total Expenditures	**6,772**	**-**	**64**	**1,178**	**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***	***2023***
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 adjuacent 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 Enforecement) 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***	***2023***
Revenue	-	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-	-
Net Impact	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Sidewalk Program

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

Sidewalk Program	101.205

CIP Category: Transportation - Operating Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

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*							
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	14	-	2	2	2	2	2	2	2
Land & Right of Way	18	-							18
Construction	108	-	18	18	18	18	18	18	
Contingency	-	-							
Total Expenditures	**140**	**-**	**20**	**20**	**20**	**20**	**20**	**20**	**20**

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	140	-	20	20	20	20	20	20	20
Total Funding	**140**	**-**	**20**	**20**	**20**	**20**	**20**	**20**	**20**

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

Guardrail Program

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

Guardrail Program	101.305

CIP Category: Transportation - Operating Project

Managing Department: Plan, Build & PW Admin

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

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*							
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	-		2		2		2	
Land & Right of Way	-	-							
Construction	69	-		23		23		23	
Contingency	-	-							
Total Expenditures	**75**	**-**	**-**	**25**	**-**	**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 2	75			25		25		25	
Total Funding	**75**	**-**	**-**	**25**	**-**	**25**	**-**	**25**	**-**

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

Gateway - S 216th Segment 1A

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

Gateway - S 216th Segment 1A	319.332

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

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 late, a U-turn pocket (EN to WB) at SR 99, bicycle lanes, planter strips and sidewalks.

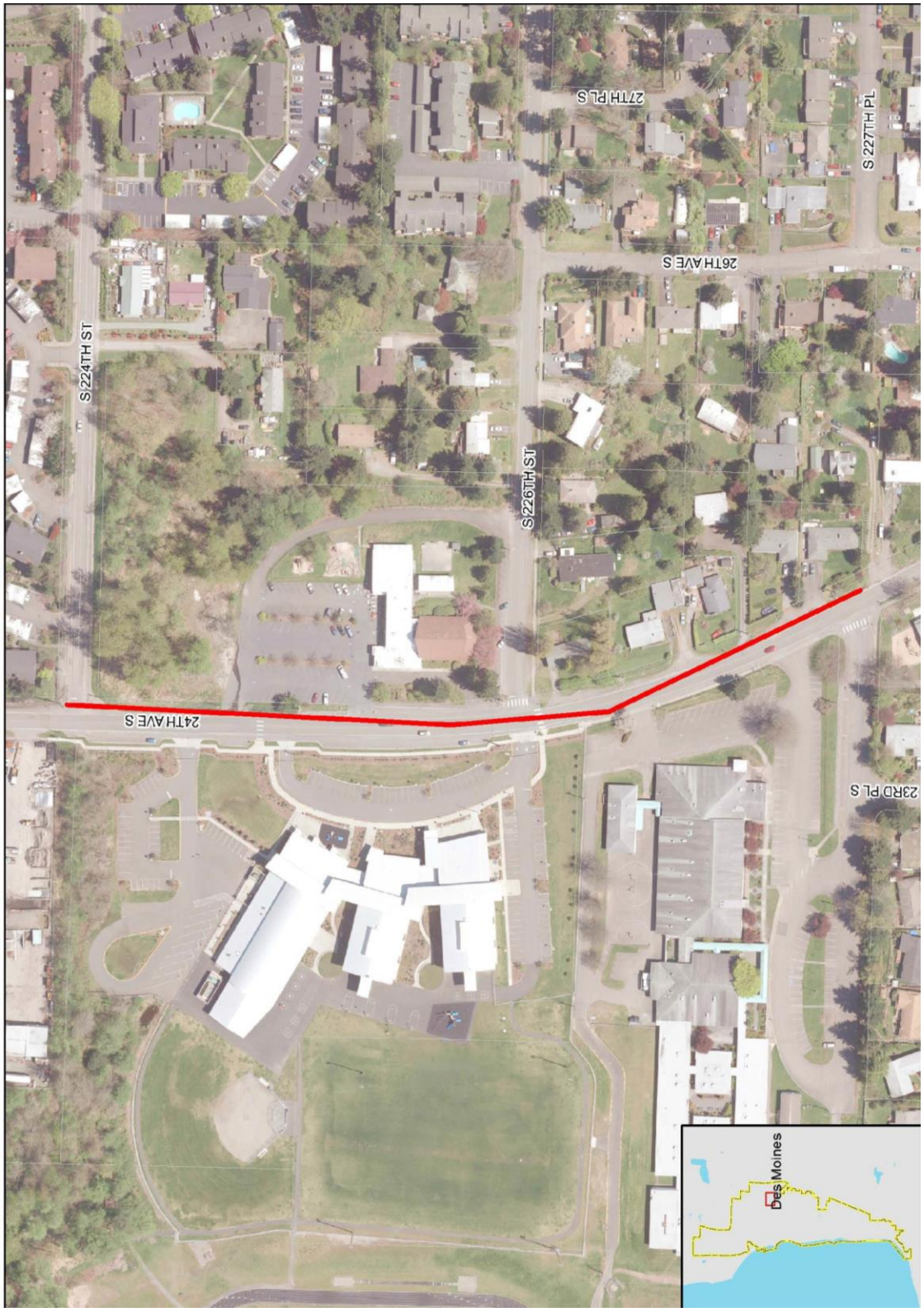
Justification/Benefits: Provides adequate access to support area development especially as it relates to the Des Moines Business Park and future development along the north side of South 216th Street and east side of 24th Ave South.

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.

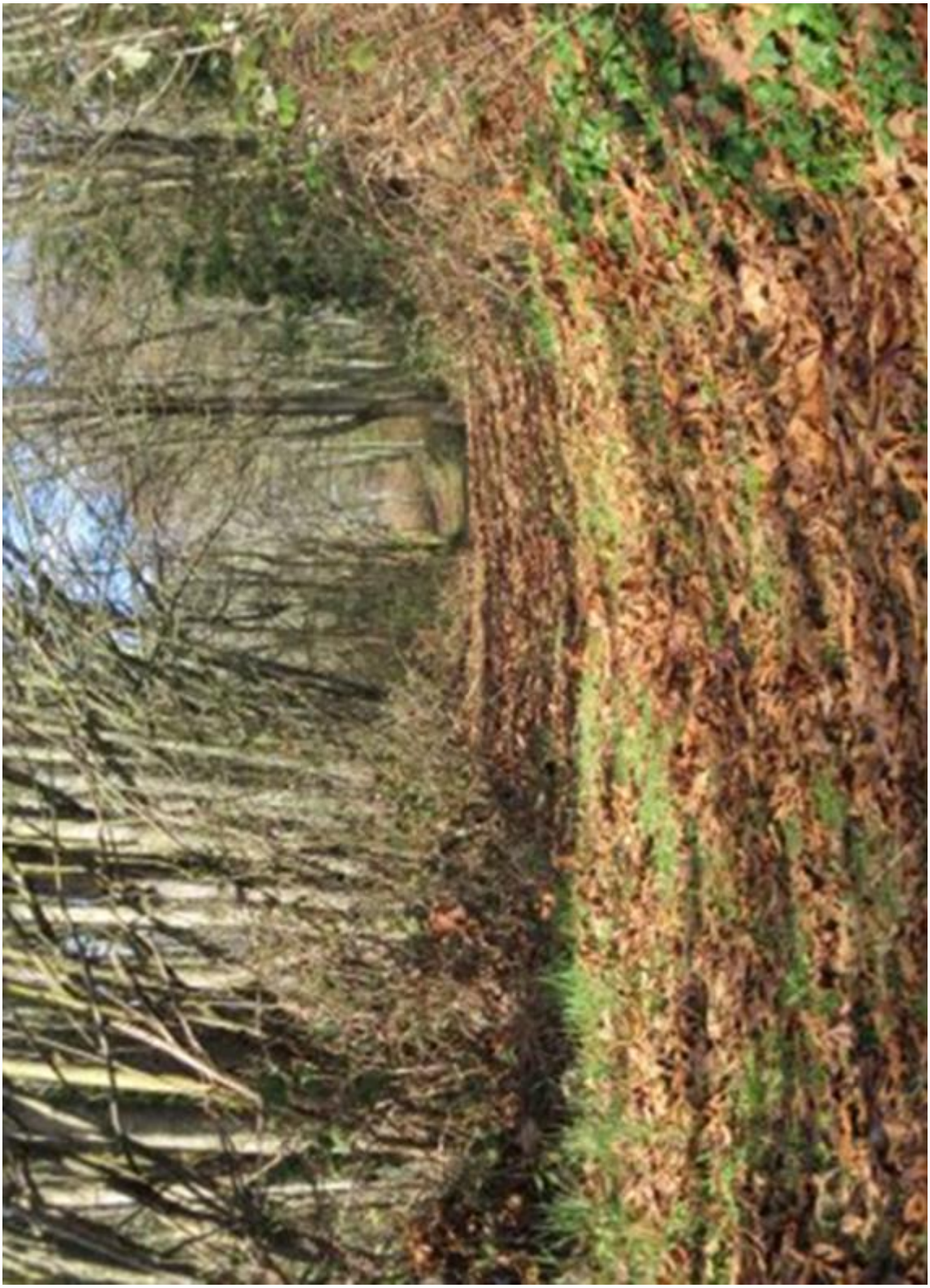
Justification/Benefits: Provides safer pedestrian mobility especially for school aged children. The east side of 24th Avenue South directly across from Midway Elementary and Pacific Middle School was identified as a top ranking priority project in the HEAL funded Safe Routes to School study/inventory.

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 Enforecement) 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***	***2023***
Revenue	-	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-	-
Net Impact	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Barnes Creek Trail



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

Barnes Creek Trail	319.345

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

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.

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	1,374	48	240	30	250	200	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 (Unsecured)	464	44				420			
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	***6 Year Total***		***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

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:
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.

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*	*2023*
Revenue	-	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-	-
Net Impact	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

South 268th Street Sidewalk

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

South 268th Street Sidewalk	319.614

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

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.

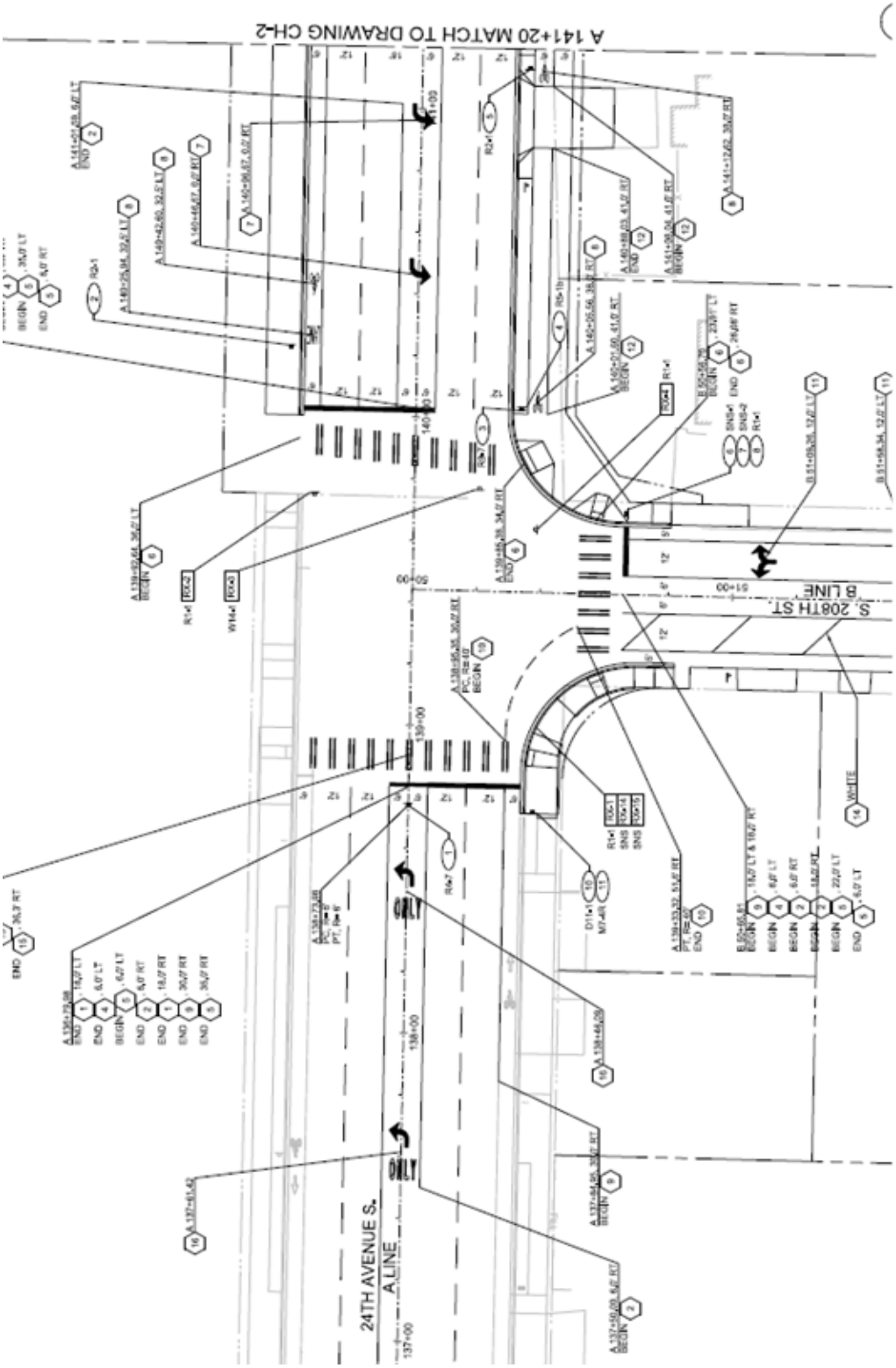
Justification/Benefits: S. 268th Street is a Neighborhood Collector Arterial connecting Pacific Highway South and 16th Avenue South. Currently there are open ditch sections on the north and south sides of 268th and no existing sidewalks west of 19th Ave South. South 268th Street is also used by elementary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

PROJECT SCOPE		*ANNUAL ALLOCATION*							
Expenditures	*Total Budget*	*Project 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	110	110							
Land & Right of Way	-	-							
Construction	842	664	178						
Contingency	30	-	30						
Total Expenditures	**982**	**774**	**208**	**-**	**-**	**-**	**-**	**-**	**-**

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	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*	*2022*	*2023*
Revenue	-	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-	-
Net Impact	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

24th Ave/Sea-Tac Intersection



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 instersection, 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*	*2023*
Revenue	-	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-	-
Net Impact	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Marine View Dr / South 240th St. Intersection Improvement

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

Marine View Dr / South 240th St. Intersection Improvement	319.608

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Re-align intersection and install intersection improvement at the intersection of Marine View Drive and S 240th Street.

Justification/Benefits: The project will install an intersection improvement at this intersection which will reduce crash severity for all users, allowing safer mergers into 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.

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***	***2023***
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

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Widen roadway to provide center turn lane, bike lanes, curb, gutter and sidewalks between 11th Ave South and 19th Avenue South.

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	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***	***2023***
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

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

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.

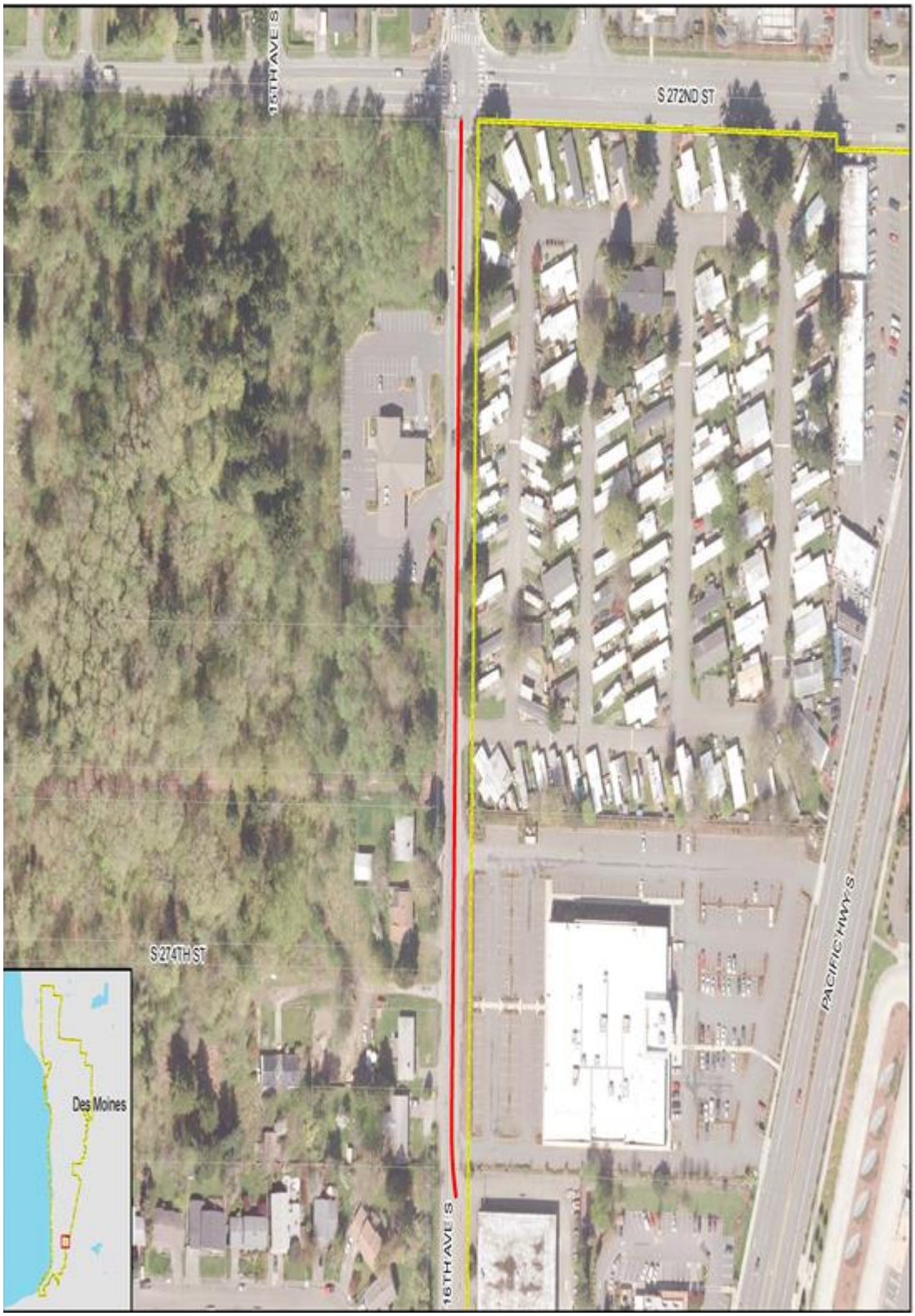
Justification/Benefits: This project has been identified as one of the Pacific Ridge Neighborhood Mitigation Project. Sidewalks are lacking completely on the north side of 224th Street and there is currently an incomplete section of sidewalk on the south side. This sidewalk will provide a safer pedestrian 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	***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***	***2023***
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

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

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. Undergrounding utilities would be a significant increase. This project coordinates with Segment 5B.

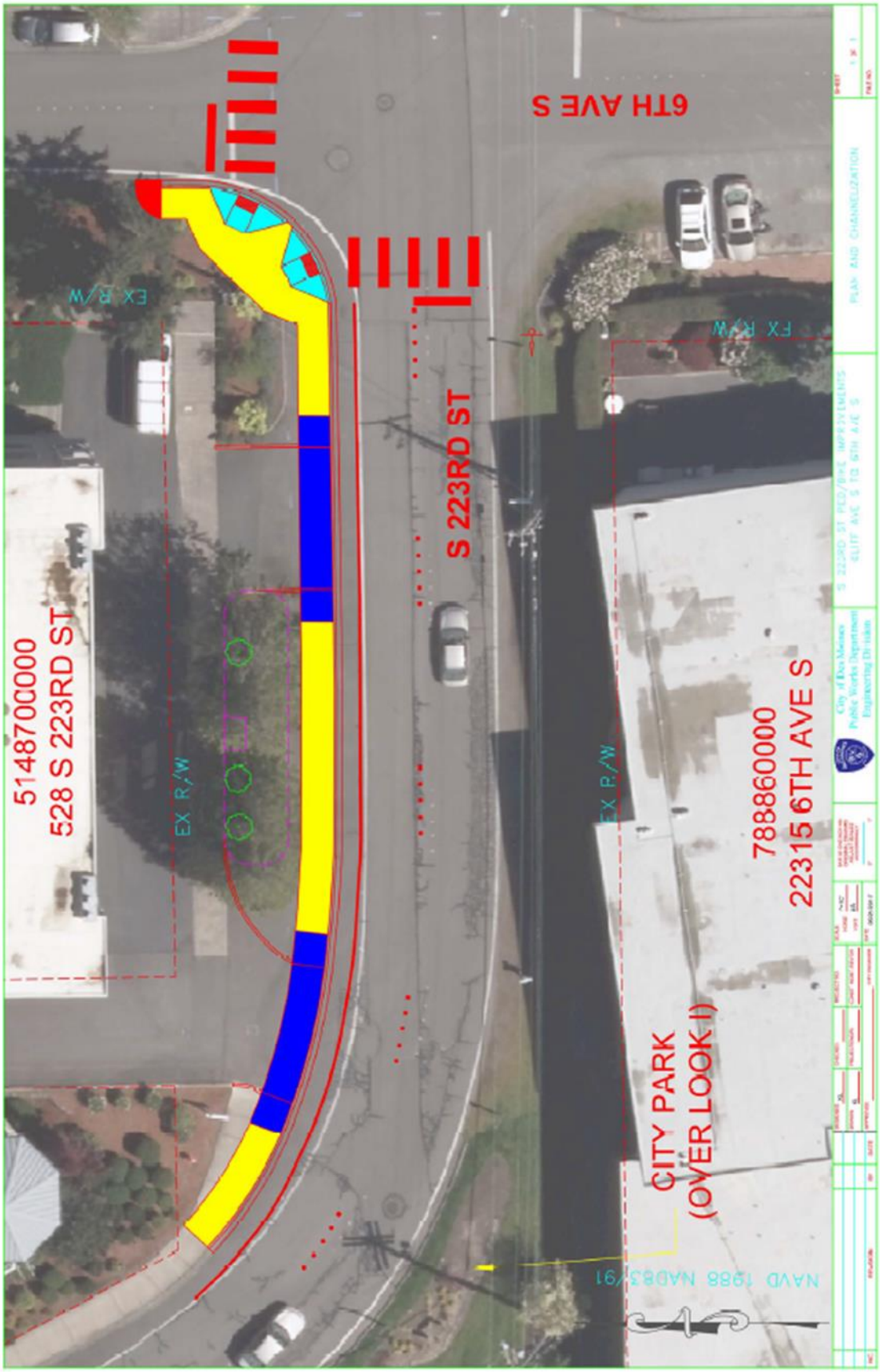
Justification/Benefits: The need for pedestrian facilities is identified in the City's Comprehensive Transportation Plan and 6 Yr TIP. This corridor has numerous single-family developments that generate pedestrian traffic along the shoulder of the road. It is used to access schools, parks, churches and 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***	***2023***
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 side of S 223rd St and west of 6th Ave. The project will install cubs, 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 Enforecement)	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*	*2023*
Revenue	-	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-	-
Net Impact	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Downtown Alley Improvement

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

Downtown Alley Improvement	319.337

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

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.

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	***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	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***	***2023***
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 facilties and connection to future traffic signal at South 236th Land 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				1,091				
Traffic Impact Fees - City Wide	1,100				1,100				
Total Funding	**2,191**	**-**	**-**	**-**	**2,191**	**-**	**-**	**-**	**-**

OPERATING IMPACT		*ANNUAL OPERATING IMPACT*							
Operating Impact	*6 Year Total*		*2017*	*2018*	*2019*	*2020*	*2021*	*2022*	*2023*
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

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).

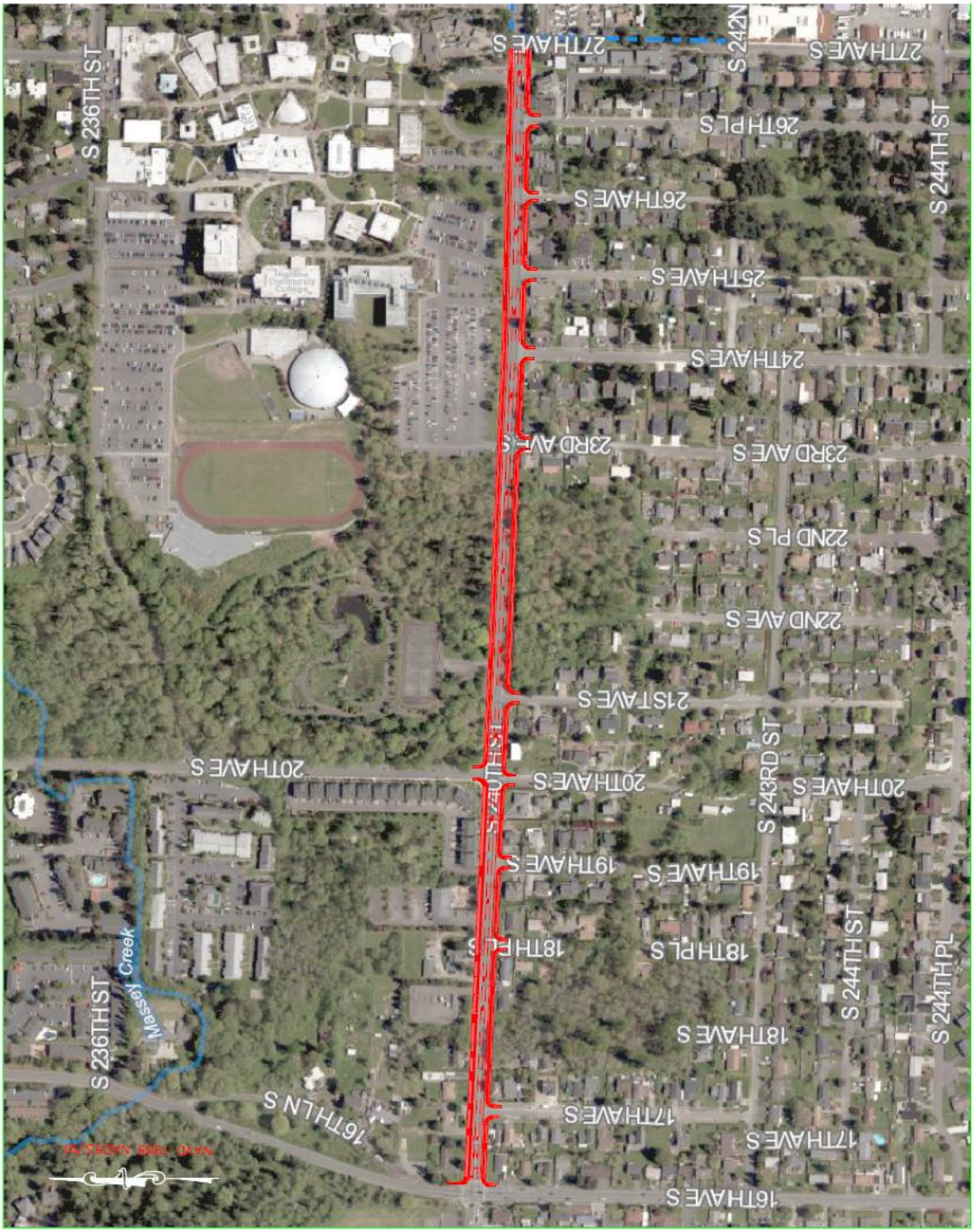
Justification/Benefits: The need for street lighting was identified in the Redondo Parking Management Study as a safety enhancement. There were several existing streets that had little to no lighting.

PROJECT SCOPE		*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	60	-				60			
Contingency	-	-							
Total Expenditures	**70**	**-**	**-**	**-**	**-**	**70**	**-**	**-**	**-**

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***
Redondo Zone Parking	70					70			
Total Funding	**70**	**-**	**-**	**-**	**-**	**70**	**-**	**-**	**-**

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

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

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

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.

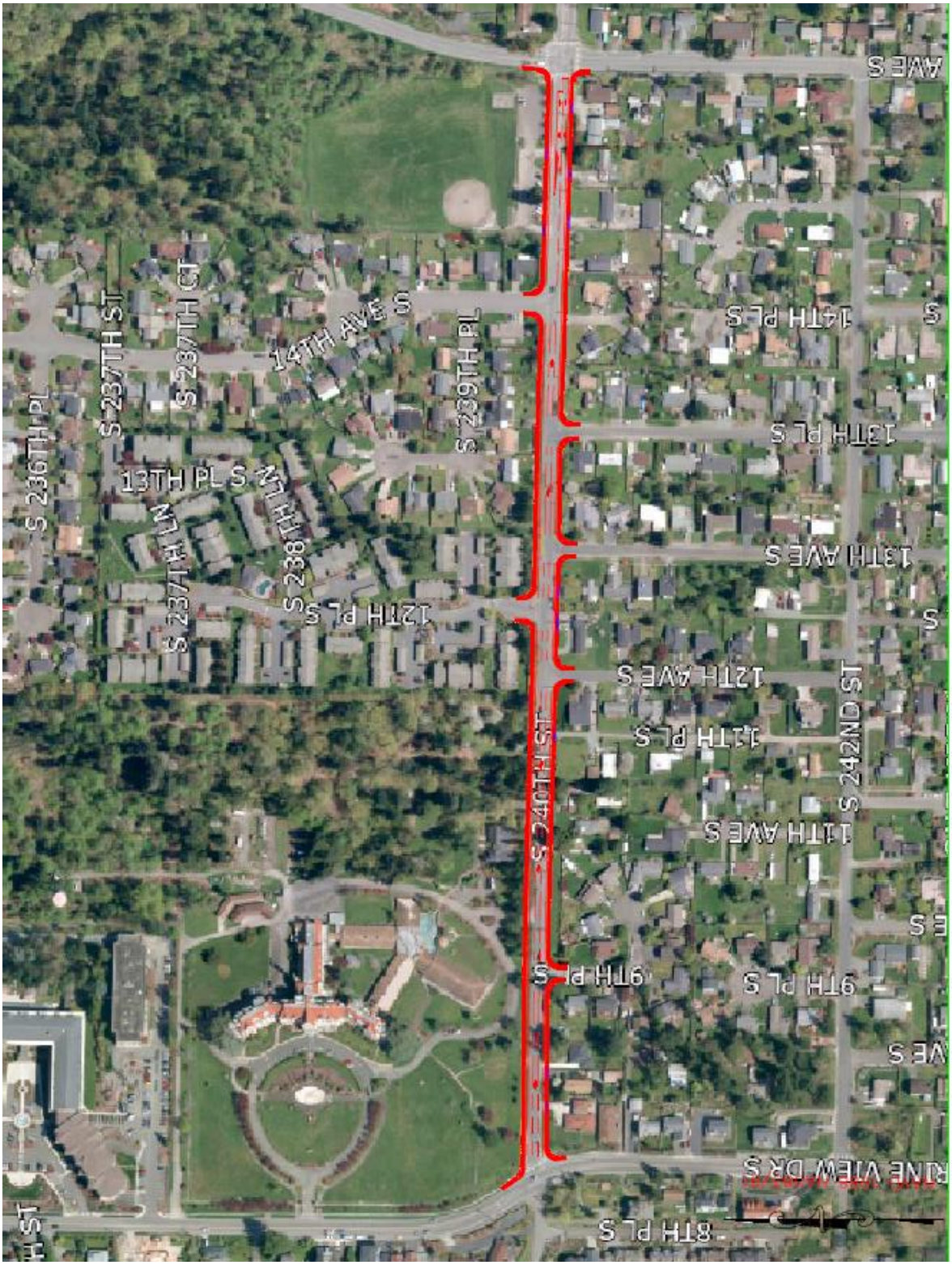
Justification/Benefits: The need for pedestrian and bicycle facilities along South 240th Street is identified in the City's Comprehensive Transportation Plan and the Six Year Transportation Improvement Plan. South 240th Street has residential properties and Highline College that generate pedestrian and 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	435	-				435			
Land & Right of Way	200	-				200			
Construction	5,265	-					5,265		
Contingency	400	-				100	300		
Total Expenditures	**6,300**	**-**	**-**	**-**	**-**	**735**	**5,565**	**-**	**-**

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.)	3,380					365	3,015		
State of Washington Grants (Unconfirmed)	2,670					370	2,300		
Private Contributions	250						250		
Total Funding	**6,300**	**-**	**-**	**-**	**-**	**735**	**5,565**	**-**	**-**

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

South 240th Street Improve - Seg 2



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*	*2023*
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

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

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.

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***	***2023***
Revenue	-	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-	-
Net Impact	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

SeaTac Signal Improvements

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

SeaTac Signal Improvements	319.613

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

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.

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*	*2023*
Revenue	-	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-	-
Net Impact	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Dock Electrical Replacements

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

Dock Electrical Replacements	403.452

CIP Category: Marina Capital Improvements

Managing Department: Marina

Summary Project Description:
Install new shore power pedestals and distribution wiring on docks H,I,J,K and L.

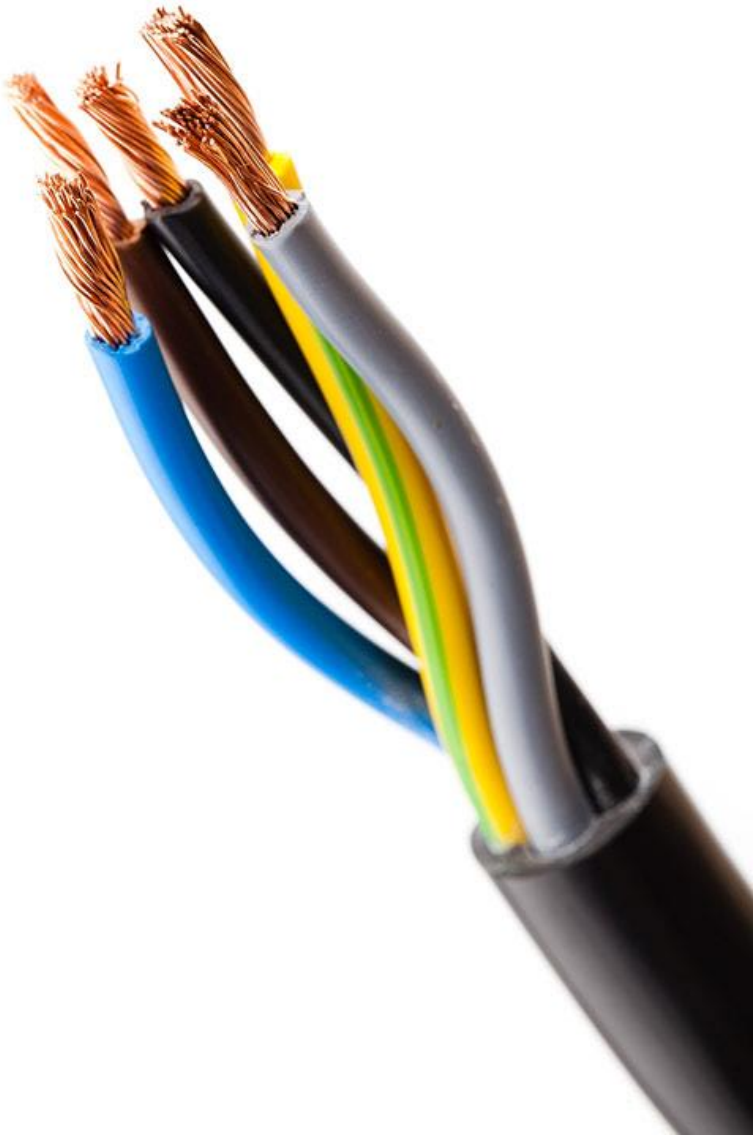
Justification/Benefits: The new electrical wiring will reduce the risk of fire as well as provide upgraded service to Marina tenants. These docks are 45 years old and still have the original shore power boxes and wiring. Most of the shore power boxes have been upgraded to 30 amps from the original 15 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	
Contingency	-	-		-					
Total Expenditures	**300**	**-**	**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	
Total Funding	**300**	**-**	**60**	**-**	**60**	**60**	**60**	**60**	**-**

OPERATING IMPACT		*ANNUAL OPERATING IMPACT*							
Operating Impact	*6 Year Total*		*2017*	*2018*	*2019*	*2020*	*2021*	*2022*	*2023*
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

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.

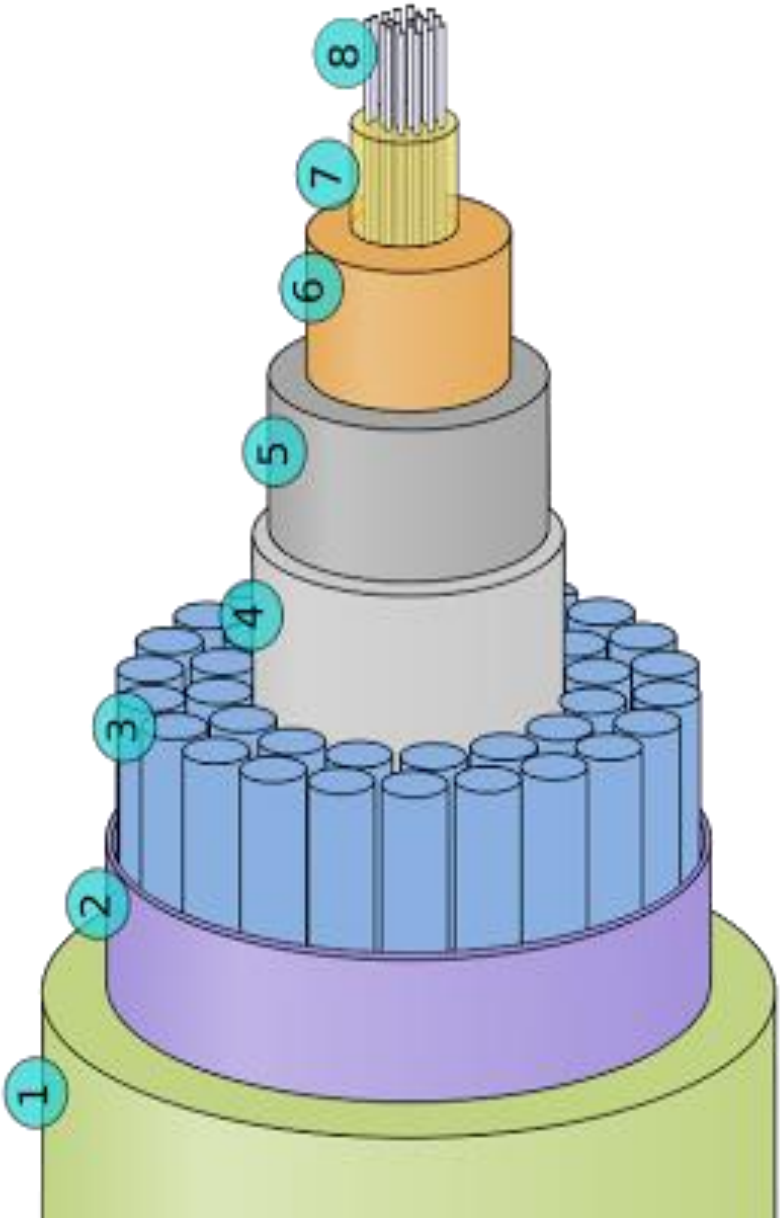
Justification/Benefits: The new electrical wiring will reduce the risk of fire as well as provide upgraded service to Marina tenants. These docks are 45 years old and still have the original shore power boxes and wiring. Most of the shore power boxes have been upgraded to 30 amps from the original 15 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		*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	41		41						
Contingency	-				-				
Total Expenditures	**41**	**-**	**41**	**-**	**-**	**-**	**-**	**-**	**-**

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	41		41						
Total Funding	**41**	**-**	**41**	**-**	**-**	**-**	**-**	**-**	**-**

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

Marina Fiber Optic Cable



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

Marina Fiber Optic Cable	403

CIP Category: Marina Capital Improvements

Managing Department: Information Technology

Summary Project Description:

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.

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 secuirity cameras by the Police Department and will allow for remote management of parking equipment.

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	*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	150		150						
Total Funding	**150**	**-**	**150**	**-**	**-**	**-**	**-**	**-**	**-**

OPERATING IMPACT		*ANNUAL OPERATING IMPACT*							
Operating Impact	*6 Year Total*		*2017*	*2018*	*2019*	*2020*	*2021*	*2022*	*2023*
Revenue	-	-	-	-	-	-	-	-	-
Expenses	(36)	-	(6)	(6)	(6)	(6)	(6)	(6)	-
Net Impact	**(36)**	**-**	**(6)**	**(6)**	**(6)**	**(6)**	**(6)**	**(6)**	**-**

Fuel Dispenser

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

Fuel Dispenser	403

CIP Category: Marina Capital Improvements

Managing Department: Marina

Summary Project Description:
Replace fuel dispensers.

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*	*2023*
Revenue	-	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-	-
Net Impact	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Tenant Restroom Replacement

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

Tenant Restroom Replacement	403

CIP Category: Marina Capital Improvements

Managing Department: Marina

Justification/Benefits:

Summary Project Description:

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	*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*
One Time Tax	150			150					
Total Funding	**150**	**-**	**-**	**150**	**-**	**-**	**-**	**-**	**-**

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

Marina Dock Replacement

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

Marina Dock Replacement	403.499.070

CIP Category: Marina Capital Improvements

Managing Department: Marina

Justification/Benefits:

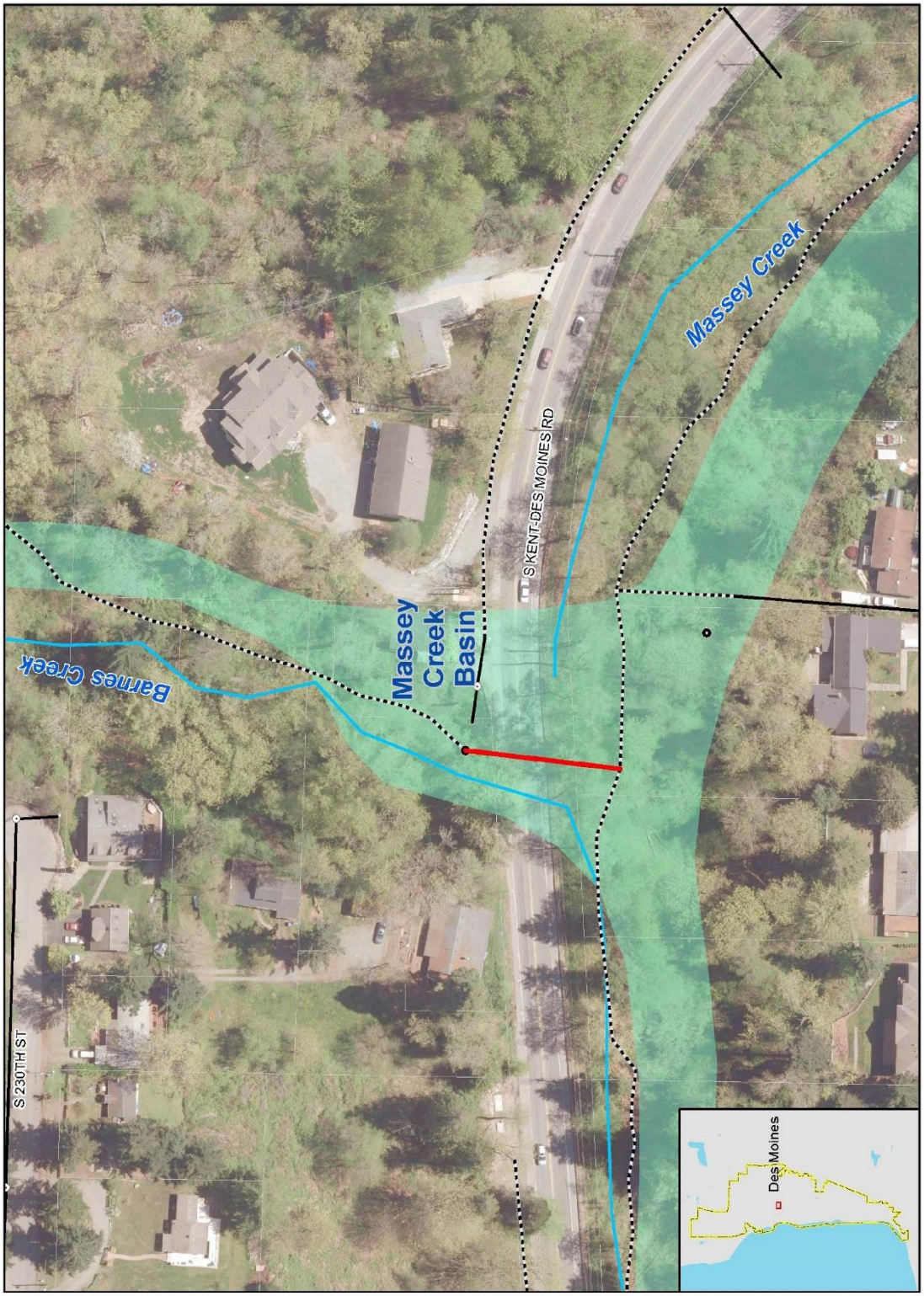
Summary Project Description:
This project creates a set aside to accumulate funds for the purchase of a full dock replacement. When sufficient funds are accumulated a replacement dock will be installed.

PROJECT SCOPE		*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	1,400								1,400
Contingency	-								
Total Expenditures	**1,400**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1,400**

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*
Marina Rates	1,400		200	200	200	200	200	200	200
Total Funding	**1,400**	**-**	**200**	**200**	**200**	**200**	**200**	**200**	**200**

OPERATING IMPACT		*ANNUAL OPERATING IMPACT*							
Operating Impact	*6 Year Total*		*2017*	*2018*	*2019*	*2020*	*2021*	*2022*	*2023*
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

CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

Summary Project Description:

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.

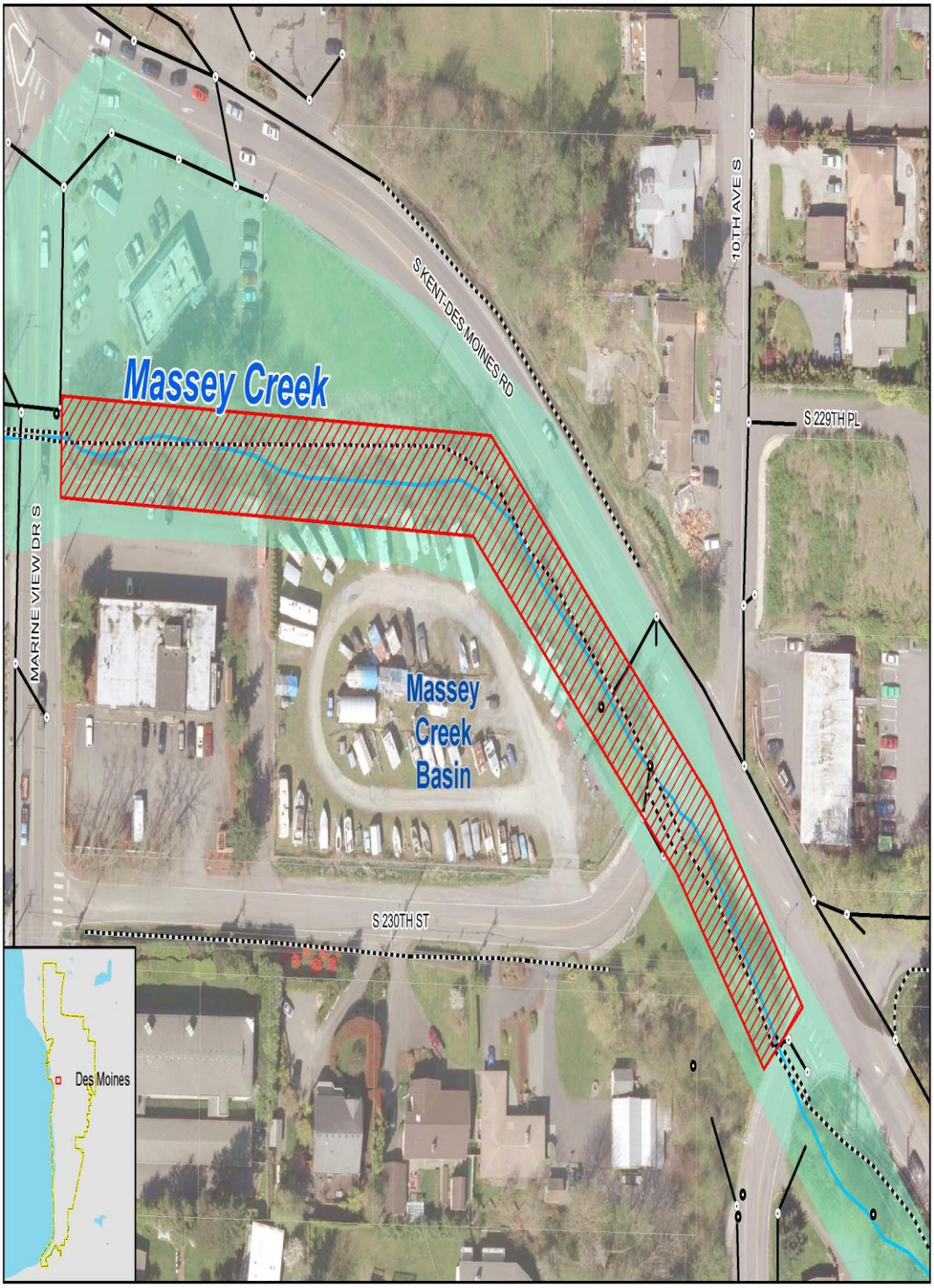
Justification/Benefits: This culvert replacement is needed to convey peak predicted flows without flooding Kent-Des Moines Road. At this point a new 42- to 48-inch reinforced concrete pipe culvert is planned to replace the existing undersized culvert. However, the new pipe size will need to be designed 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***	***2023***
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

CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

Summary Project Description:

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 provide from King County with two grants: $200K Flood Reduction Grant and $196 Regional Opportunity Grant.

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***	***2023***
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*	*2023*
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

CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

Summary Project Description:

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.

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*	*2023*
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

CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

Summary Project Description:

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.

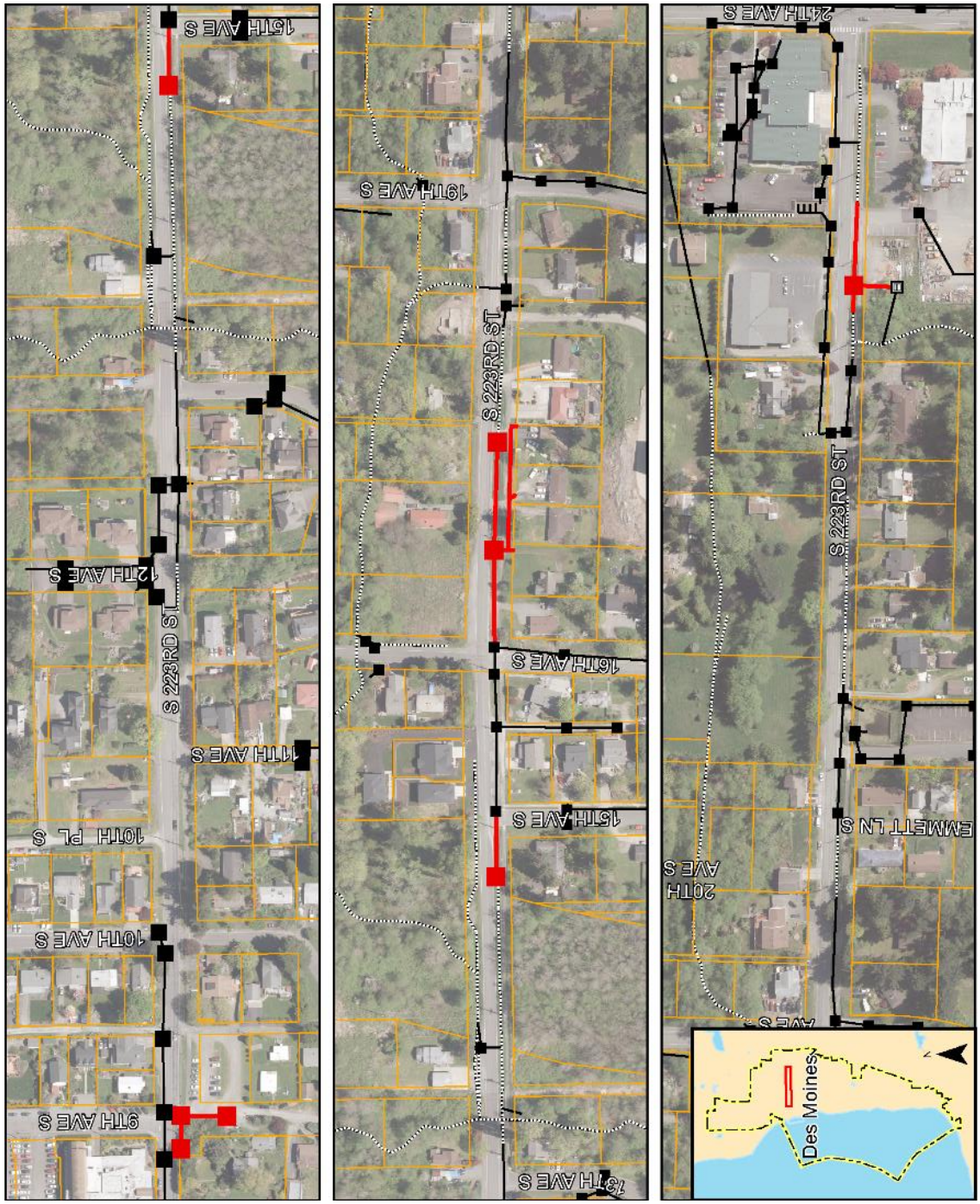
Justification/Benefits: This project is needed to address minor street flooding located at the ends of the cul-de-sacs of 16th Place and 17th Place where existing drywells are no longer functioning properly. New drainage will be added to both cul-de-sacs and connect to the newly constructed drainage 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***	***2023***
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

CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

Summary Project Description:

2017 Pipe Replacement Program dedicated to S 223rd Stormwater Improvements to be performed in conjunction with the S 223rd Road Improvement project.

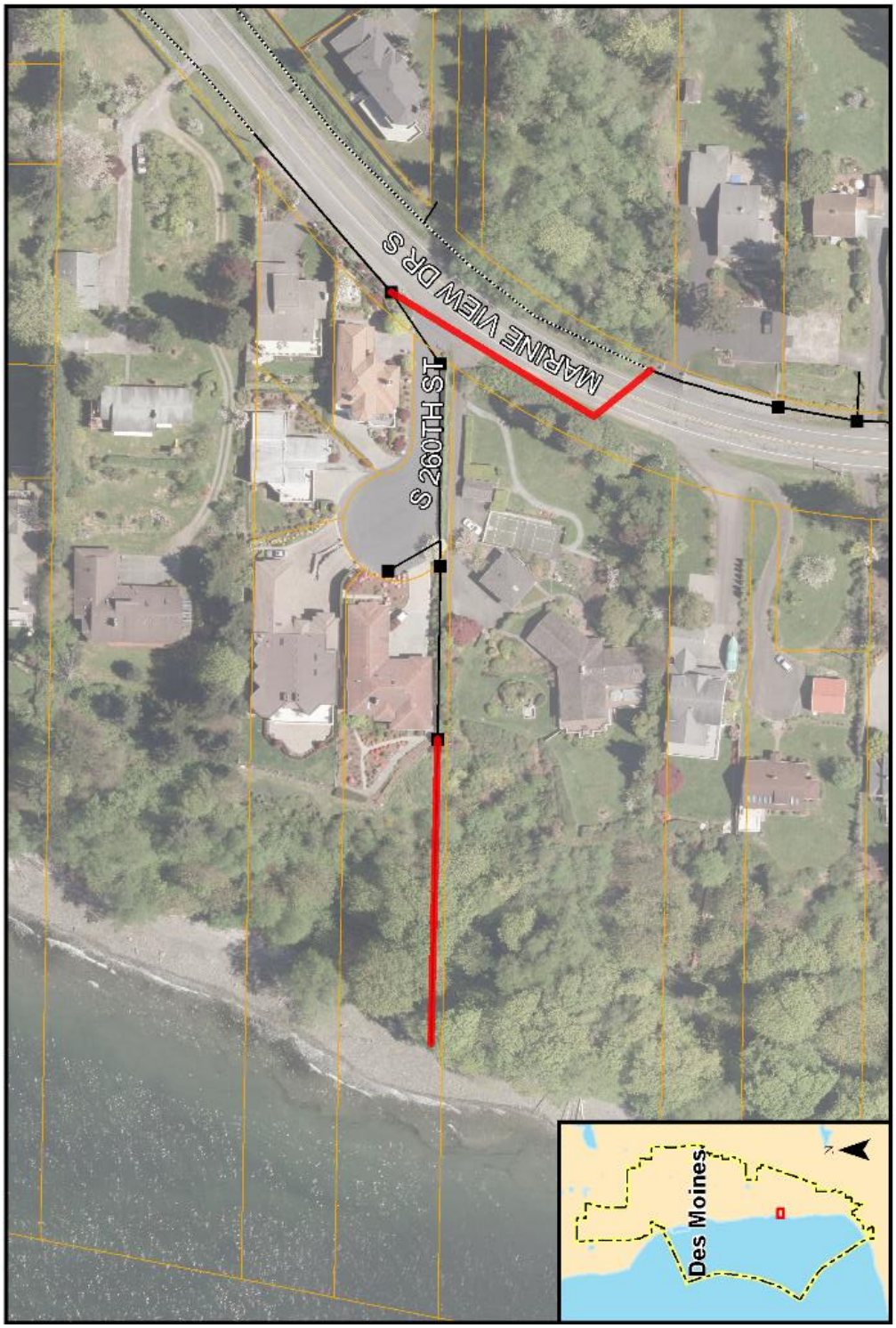
Justification/Benefits: A number of stromwater improvements have been identified on 223rd Street between Marine View Drive and 24th Avenue including aged corrugated metal pipe replacements, drainage pipe extensions needed to address minor flooding issues, and piping certain ditches where seepage from 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***	***2023***
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

CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

Summary Project Description:

This project assumes the replacement of 300 linear feet of outfall pipe with outfall diffuser and dissapator 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.

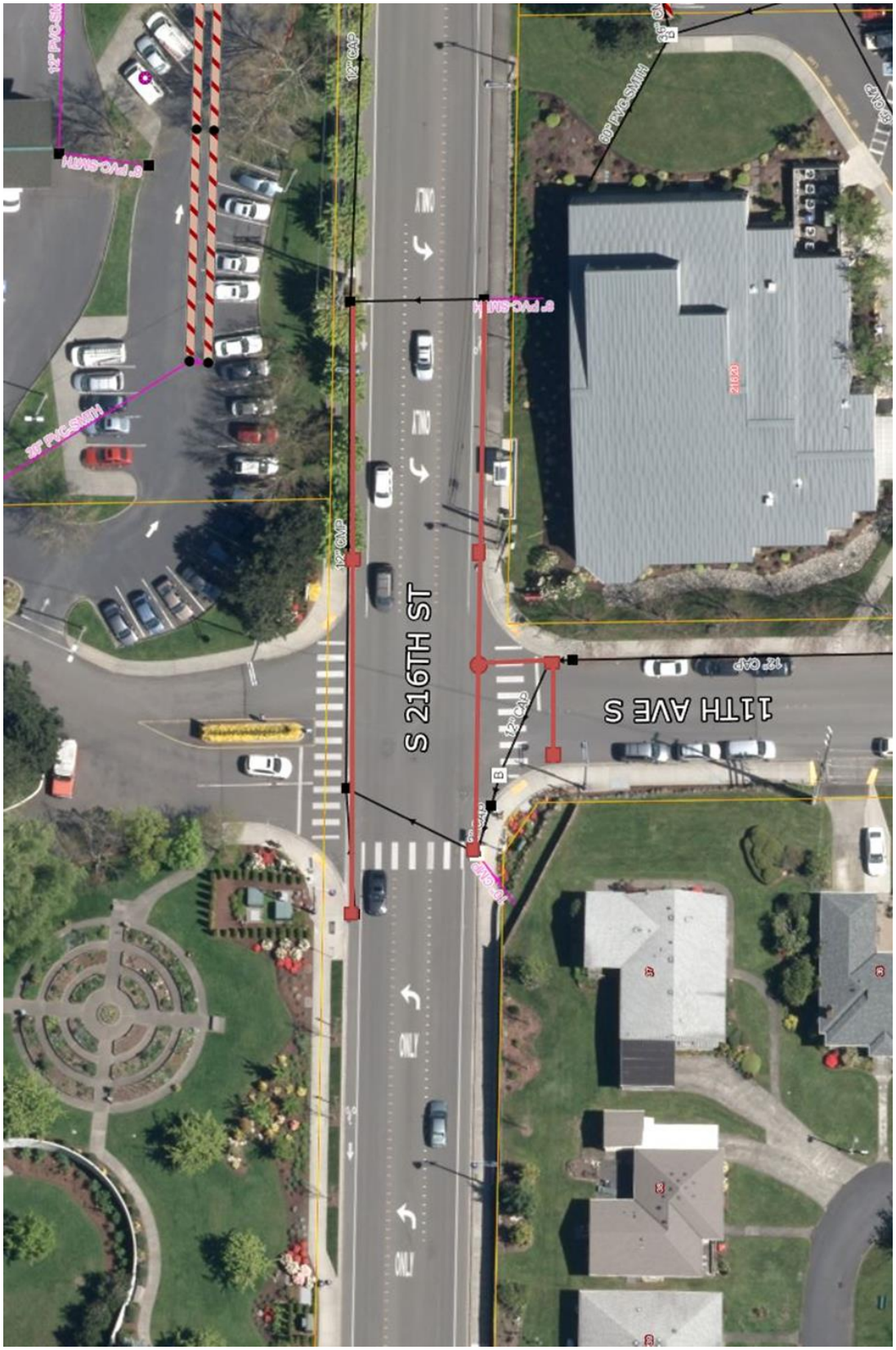
Justification/Benefits: In 2016, following heavy rains and shoreline erosion from high tides and strong waves, a landslide occurred at the base of the ravine adjacent to Puget Sound at 260th Street damaging the 8-inch storm pipe that serves the Deedene Plat as well as a short segment of Marine View Drive. This project assumes a full replacement of the existing storm outfall plastic (PVC) pipe that is buried with a more flexable 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*							
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	89		6	83					
Land & Right of Way	-								
Construction	227		12	215					
Contingency	94		4	90					
Total Expenditures	**410**	**-**	**22**	**388**	**-**	**-**	**-**	**-**	**-**

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	410		22	388					
Total Funding	**410**	**-**	**22**	**388**	**-**	**-**	**-**	**-**	**-**

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

216th / 11th Ave Intersection Pipe Replacement



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

216th/11th Ave Intersection Pipe Replacement	451

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

This project involves installing approximately 400 feet of 12-inch storm pipe and seven catch basins, removal of existing facilities (or abandonment in place filled with control density fill), and roadway restoration within the intersection area including trench patching, replacement of impacted curb, gutter, sidewalk, and pavement overlay).

Justification/Benefits: Following inspection of the drainage system in preparation for the design of the Gateway Segment 3 Project, it was discovered that the storm system within the intersection of 216th Street and 11th Avenue was in very poor shape with segments of the system crushed and other segments partially full of standing water and unable to flow properly. All new drainage is proposed within the intersection with the project constructed as a separate bid schedule to the Gateway Segment 3 Project.

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	230				230				
Contingency	60		11		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*	*2023*
Revenue	-	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-	-
Net Impact	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Pond Safety Improvements

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

Pond Safety Improvements	451

CIP Category: Surface Water Mgmt

Managing Department: Public Works

Summary Project Description:

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.

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*	*2023*
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

CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Replacement of approximately 2,630 feet of cmp 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.

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*	*2023*
Revenue	-	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-	-
Net Impact	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Pipe Replacement Program

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

Pipe Replacement Program	451.017

CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Replacement of existing pipes based on customer request and video based condition assessment. This program is scheduled to be finished in 2022.

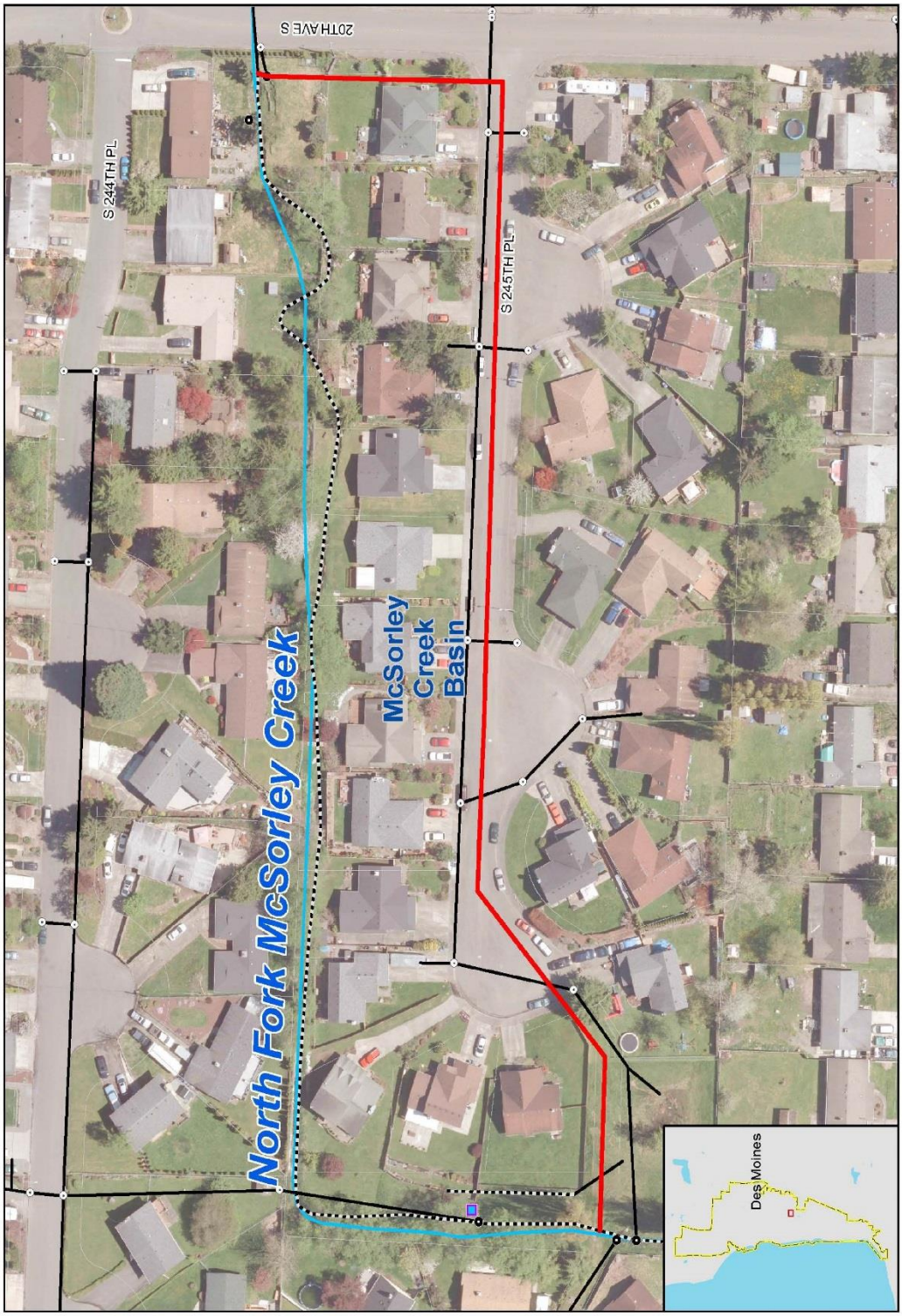
Justification/Benefits: A video assessment of existing storm drain pipes is scheduled to begin in 2016. From the assessment a prioritized list of pipes needing replacement will be developed along with estimated costs.

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	151	-			38	38	38	37	
Land & Right of Way	-	-							
Construction	660	-				230	230	200	
Contingency	173	-			11	60	60	42	
Total Expenditures	**984**	**-**	**-**	**-**	**49**	**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	984				49	328	328	279	
Total Funding	**984**	**-**	**-**	**-**	**49**	**328**	**328**	**279**	**-**

OPERATING IMPACT		*ANNUAL OPERATING IMPACT*							
Operating Impact	*6 Year Total*		*2017*	*2018*	*2019*	*2020*	*2021*	*2022*	*2023*
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

CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

Summary Project Description:

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.

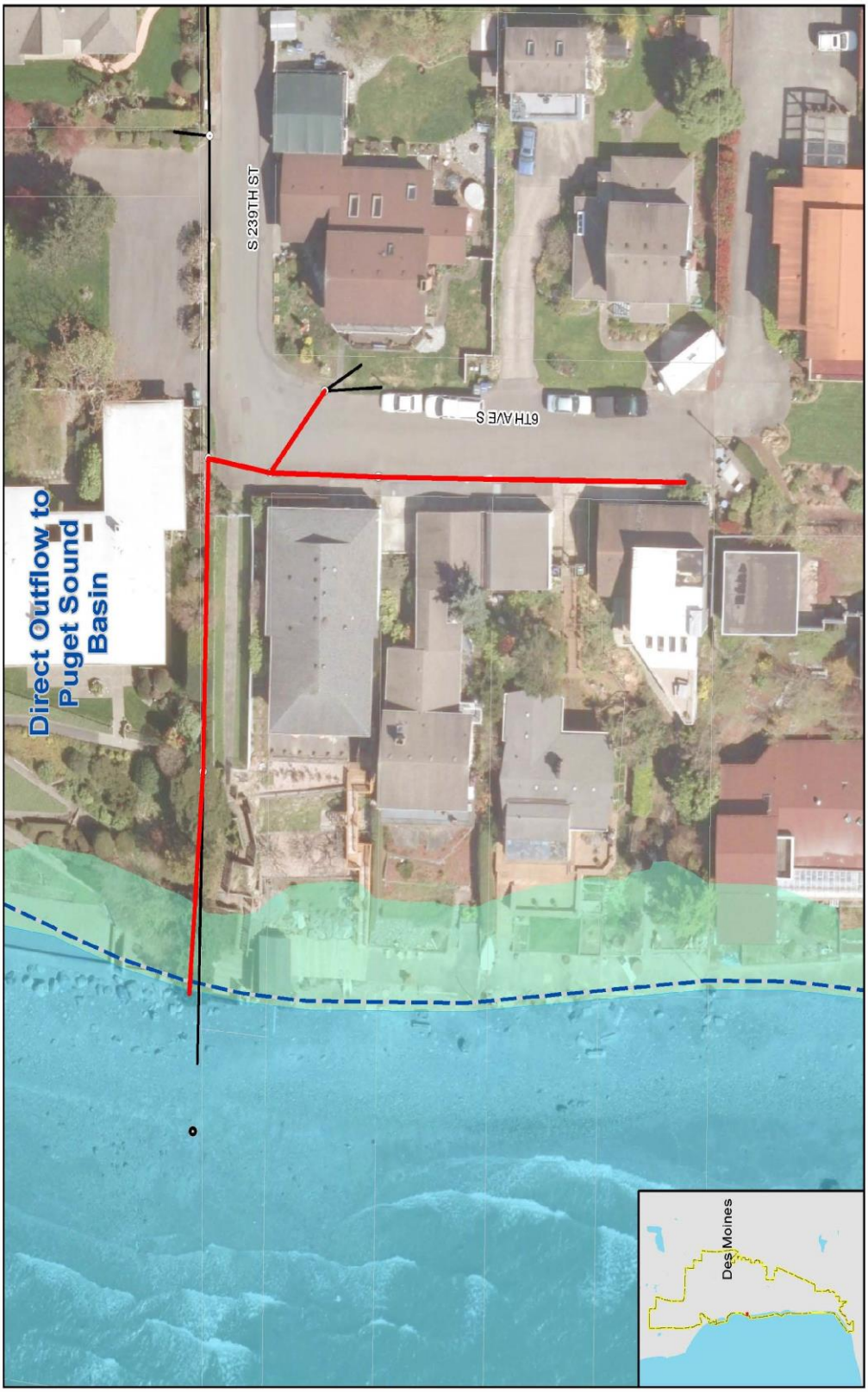
Justification/Benefits: When the Des Moines Trace Subdivision was developed in the early 1980's a segment of the north fork of McSorley Creek was relocated to a narrow rock lined channel within a 15-foot wide drainage easement along the north side of the subdivision (lots 14 through 25). Over time this 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***	***2023***
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

CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

Summary Project Description:

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.

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	*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	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.

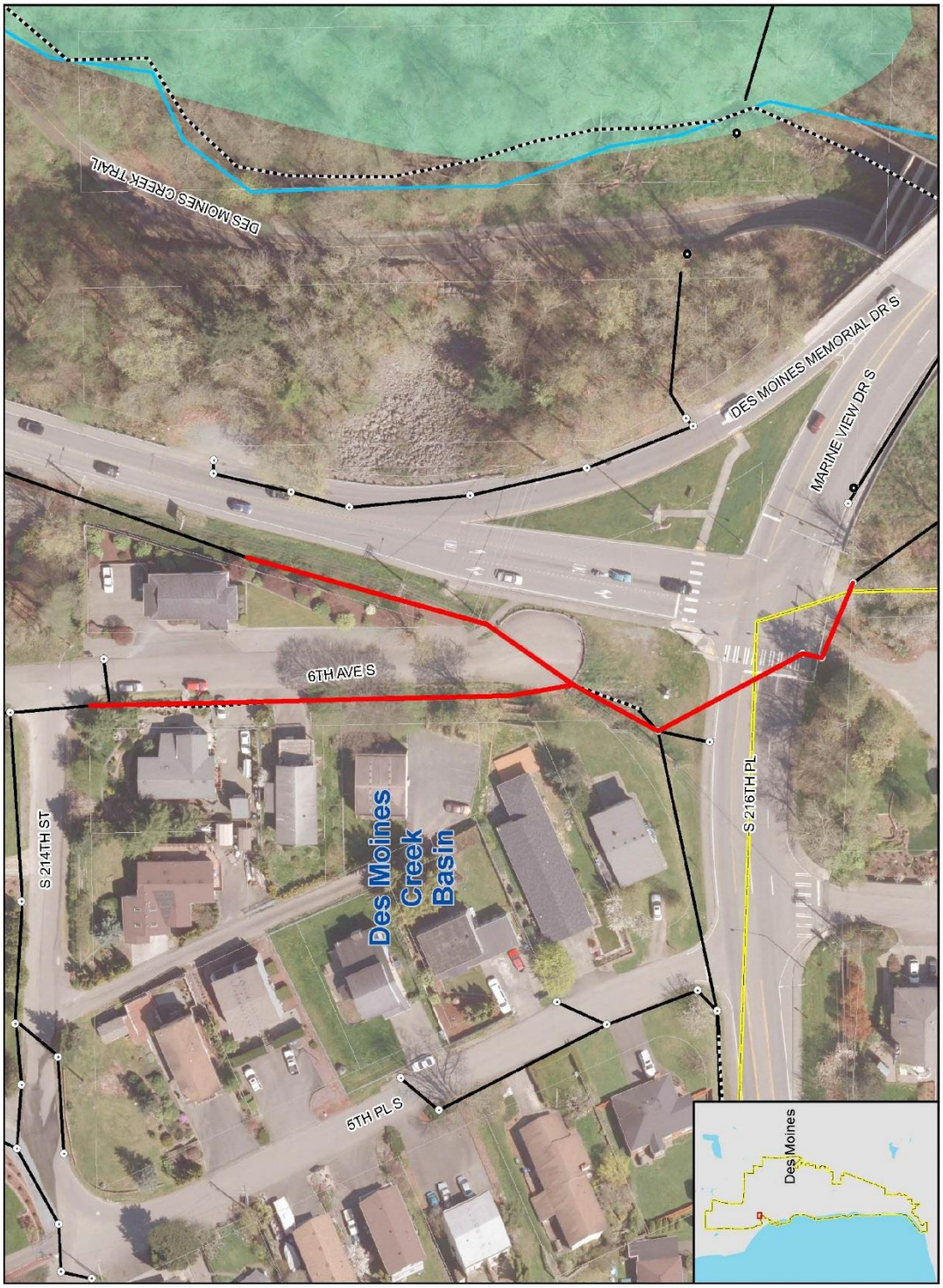
Justification/Benefits: The culvert below 272nd Street is not sufficiently sized and is too shallow. During major storms the pipe system leading from the Redondo Riveria subdivision (south of 272nd) backs up creating significant flooding within the subdivision particularly in the vicinity of 275th Place 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	***6 Year Total***		***2017***	***2018***	***2019***	***2020***	***2021***	***2022***	***2023***
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.

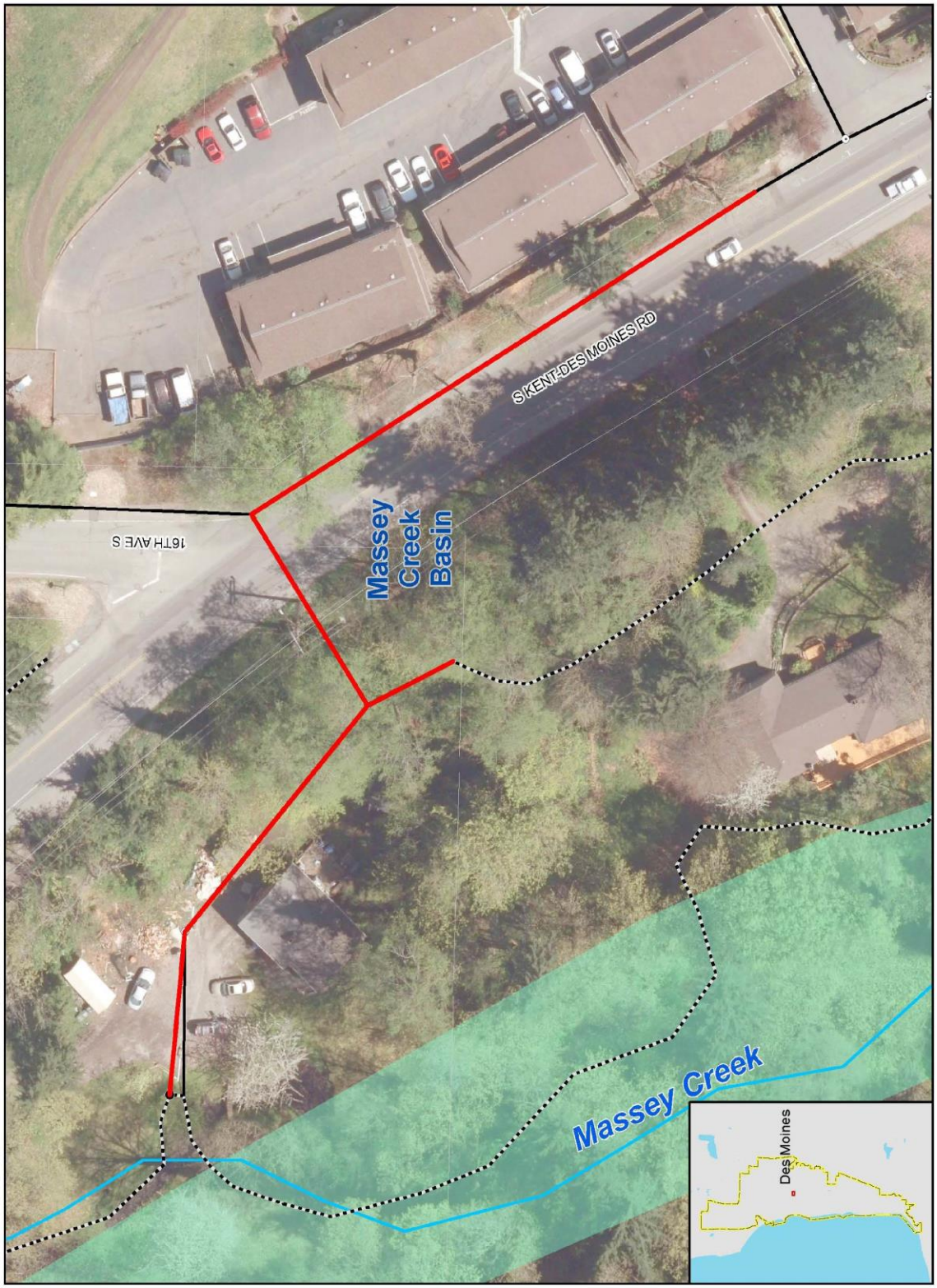
Justification/Benefits: Previous upgrades have occurred within the storm system downstream of the project and west of the project along 216th Place. This project proposes to upsize the 18-inch crossing at Marine View Drive to 24-inch as well as pipe the ditch along Des Moines Memorial Drive. Along the 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***	***2023***
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

CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

Summary Project Description:

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.

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***	***2023***
Revenue	-	-	-	-	-	-	-	-	-
Expenses	-	-	-	-	-	-	-	-	-
Net Impact	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

DMMD 208th to 212th Pipe Project

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*							
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	119	-					119		
Land & Right of Way	-	-							
Construction	391	-					391		
Contingency	93	-					93		
Total Expenditures	**603**	-	-	-	-	-	**603**	-	-

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	603						603		
Total Funding	**603**	-	-	-	-	-	**603**	-	-

OPERATING IMPACT		*ANNUAL OPERATING IMPACT*							
Operating Impact	***6 Year Total***		***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 basisns 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 esiting 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 locted 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*	*2023*
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

CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

Summary Project Description:

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.

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 saftey. 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*	*2023*
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		*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	101								101
Land & Right of Way	-								
Construction	431								431
Contingency	97								97
Total Expenditures	**629**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**629**

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	629								629
Total Funding	**629**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**629**

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

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."