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|AGENDA Monday, July 12, 2010

4:00 p.m. a

|Informational
t Carnegie Town Hall |
|Sioux Falls City Council

235 West 10th

|Street
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1. Call To Order

2. City Council Staff Report

A. Debra A. Owen, City Clerk/Chief of Council Operations

3. Mayor Huether

4. Audit Committee

5. Fiscal Committee

6. Land Use Committee

7. Public Services Committee

8. City Council Open Discussion

9. Presentations

A. Sioux Area Metro (SAM) update on transit planning and operation activities
by Debra Gaikowski, Transit Planner

B. Council CIP Working Session

Public Works Presentation

10. Adjournment

Date: 2010-07-12
SIRE Meeting ID: 885
Meeting Type: Informational Meeting

YouTube:<https://youtu.be/N3a2JbiIQPo>
Agenda Item: Not Assigned
Item ID: 39575

The following document(s) are public records obtained from the
City of Sioux Falls.

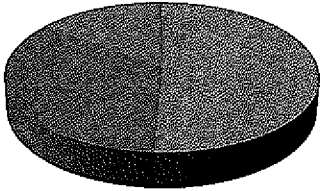
Public Works

2011 Highways and Streets Capital Improvement Program

July 12, 2010

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2011 Sales Tax for Engineering and Streets (Fund 253)



■ Engineering	- \$11,816,414
■ Streets	- \$8,027,500
■ Arterial Street Expansion (.08)	- \$3,404,275
■ OCEP	- \$106,390

Total Sales Tax = \$23,354,579


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Highways and Streets CIP

1. Overlay and Seal Coating Program for Asphalt Streets - \$6,127,500
 - Core neighborhood street reconstruction
 - Crack sealing of asphalt pavement
 - Microsurfacing of asphalt streets
 - Mill and overlay of asphalt streets

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Highways and Streets CIP



Elmwood Avenue Between 9th Street and 12th Street
Before and After Reconstruction

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Highways and Streets CIP

The City's Pavement Management System (PMS) helps to develop the Overlay and Seal Coating Program to optimize the investment in our streets.

- Each street segment is visually inspected at least every other year.
- Distresses, pavement deficiencies, and pavement failures are documented and entered in the PMS to calculate the Surface Condition Index (SCI).
- The correct decision may be to spend more funds keeping "good streets good" and begin programming some of the worst streets for reconstruction rather than spending money on extensive repairs.

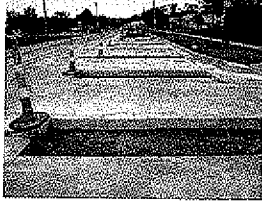
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Highways and Streets CIP

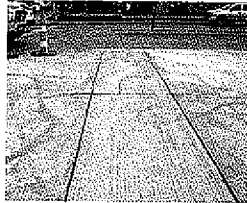
2. Concrete Pavement Restoration and Joint Replacement - \$1,960,000
 - Joint Resealing - Ideally, this should be done on a 7-year cycle.
 - Failure of joint sealant allows water, chemicals and incompressible materials (such as pebbles and stones) to enter the sub-base layers resulting in damage to the joints as the pavement expands and contracts.
 - Concrete Pavement Restoration (CPR):
 - Panel replacement, full-depth joint replacement, and partial-depth repairs are among these types of repairs.
 - Pavements will begin needing these types of repairs when the pavement approaches 15 years old and may need multiple repairs during its lifetime.

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Highways and Streets CIP



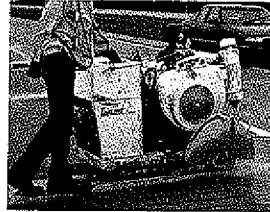
Multiple Joint Replacements



Completed Joint Replacement

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Highways and Streets CIP



Joint Resawing



Joint Resealing

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Highways and Streets CIP

3. Neighborhood Restoration Projects - \$765,500
- This fund is used to pay for sidewalk, curb and gutter, and utility repairs for the overlay program. This fund also pays for arterial sidewalk replacement in various locations.

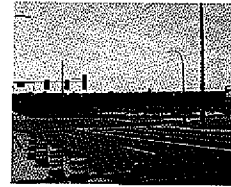


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Highways and Streets CIP

4. Arterial Intersection Improvements - \$622,625

- This fund is used to reconstruct intersections which need additional lanes due to increased traffic volumes.
- The intersection of 10th Street and Cliff Avenue will be reconstructed and turn lanes will be added.



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Highways and Streets CIP

5. Major Street Reconstruction Program - \$4,422,651
- This fund is used to reconstruct existing streets with deteriorated surfaces. Minor widening will also be constructed if needed.

Projects:

- 10th Street from Kiwanis Avenue to Western Avenue
- 14th Street from Minnesota Avenue to Phillips Avenue
- 57th Street from Marion Road to Tea Ellis Road

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Highways and Streets CIP

6. Bridge Rehabilitation - \$95,000
- This project will rehabilitate bridges within the city to preserve and extend their life.
7. West Avenue from 6th Street to Russell Street - \$139,750
- The pavement surface is deteriorated and needs to be replaced. Storm drainage improvements are also needed.
 - STP funds will also be used to fund this project.

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Highways and Streets CIP

8 and 9. Arterial Street Expansion - \$5,020,275

- This fund is used to pay for the expansion of arterial streets.

Projects:

- 69th Street and Southeastern Avenue
- Maple Street from Career Avenue to Marion Road
- Louise Avenue from 85th Street South

Projects constructed as funding allows.



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Highways and Streets CIP

10. Solberg Avenue and I-229 Overpass - \$2,555,780

- This project will construct a bridge over I-229 and connect Solberg Avenue to Tallgrass Avenue.
- The City will pay for constructing the roadway and utilities.
- The SDDOT will pay for the construction of the bridge.

11. School District/Park Site Coordination - \$2,498,500

- This fund is used to pay for street and utility construction for upcoming school and park construction.
- A street will be constructed in 2011 to access Harmondon Park off of 57th Street.

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Highways and Streets CIP

12. Right-of-Way Acquisition for Public Works - \$930,000

- This fund is used to purchase right-of-way for street construction.
- Property will be purchased for the future expansion of Maple Street east of Marion Road, 49th Street, and other arterial street expansion projects and intersection improvements.

15. Collector Street Expansion - \$95,000

- This fund is used to build local and collector streets petitioned for improvement by adjacent property owners.
- No construction will occur in 2011. Funding will be used to hire a design engineer for future construction of Benson Road and Bobhalla Drive for the new Junior Sports complex.

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Highways and Streets CIP

16. SDDOT Project Coordination - \$134,200

- This fund is used to construct city utilities and other infrastructure in conjunction with SDDOT highway projects.

17. Railroad Crossing Improvements - \$67,500

- This fund is used to coordinate railroad crossing improvements scheduled by the SDDOT Rail Authority.
- The railroad crossing on Cliff Avenue north of 20th Street will be upgraded.

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Highways and Streets CIP

18. Traffic Signal Improvements - \$289,650

- This fund is used to upgrade traffic signals throughout the city.

19. Communications Network Upgrade for City Facilities - \$190,000

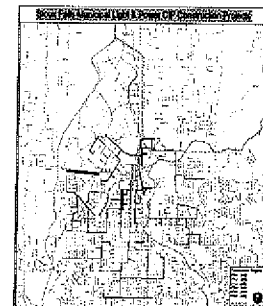
- This fund is used to improve communication links to traffic signals and City facilities throughout the city.



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Light and Power Capital Plan

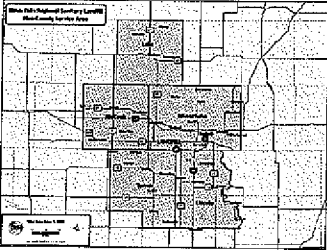
	Budgeted
• Downtown Circuit Tie	\$145,000
• New Circuit Eleven	\$655,000
• New Circuit Twelve	\$298,000
• Overhead Line Conversion to Underground	\$200,000



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Sioux Falls Regional Sanitary Landfill Services

- Landfill Serves Five-County Region:
 - Lake
 - Lincoln
 - McCook
 - Minnehaha
 - Turner
- Landfill Serves a Population of Approximately 245,000
- Landfill Located Approximately 5 Miles West of Sioux Falls on 41st Street



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Landfill Capital Plan

<u>Improvement</u>	<u>Budget</u>
• Cell 3 Construction	\$5.10 million
• Landfill Gas Wellfield Expansion	\$2.02 million
• Compressor Building Expansion	\$1.50 million
• Landfill Closure of Pre-Subtitle D	\$.93 million
• Leachate Pond 3 Construction	\$.76 million
• Household Hazardous Waste Facility Sustainability Education Center	\$.70 million

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Water Reclamation Capital Plan

<u>Improvement</u>	<u>Budget</u>
• Central Main	\$21.70 million
• Filter Rehabilitation	\$ 3.24 million
• Flow Equalization	\$12.98 million
• Trickling Filter	\$ 2.20 million
• Plant HVAC and Roof	\$ 2.40 million
• ESSS Future Treatment (Land Acquisition and Engineering Design)	\$ 4.50 million

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Water Purification Capital Plan

<u>Improvement</u>	<u>Budget</u>
• Lewis & Clark Water Supply Connection	\$.69 million
• SD100 Water Main Installation	\$3.16 million
• Western Heights Water Main Replacement	\$6.90 million
• Water Collection Well Improvements	\$2.82million
• Raven Oaks & Scenic Heights Water Main Replacement	\$2.28 million

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Storm Drainage Capital Plan

<u>Improvement</u>	<u>Budget</u>
• Drainage Improvements in Developing Areas	\$1.00 million
• Sump Pump Collection System	\$.30 million
• 24th Street and Garfield Avenue Drainage Improvements	\$.20 million
• School Park Site Coordination	\$1.00 million

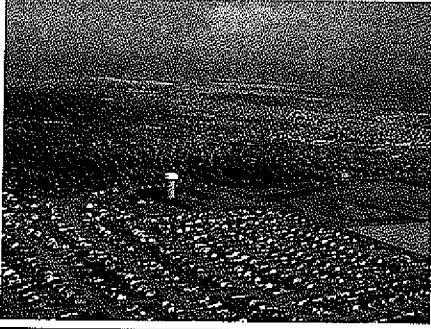
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Fleet Capital Plan

<u>Improvement</u>	<u>Budget</u>
• Fleet/Street Wash Bay Addition	\$.48 million
• OCEP (Vehicle and Equipment Purchases/Replacements)	\$3.40 million

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QUESTIONS?



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