

Application Prepared By:

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Name and Title (Typed) Phone #

Rapid City Solid Waste Operations
Representing

HDR Engineering
Name of Engineer/Architect Phone #

Representing

BUDGET SHEET

Cost Classification	A Solid Waste Grant	B Solid Waste Loan	C	D	E	Total Funds
1. Administration Expenses						
A. Personal Services						
B. Travel						
C. Legal including Bond Counsel						
D. Other						
2. Land, Structure, Right-of-Way						
3. Engineering						
A. Planning and Design Fees						
B. Project Inspection Fees						
C. Other						
4. Construction and Project Improvement	\$ 212,826					\$ 212,826
5. Equipment	\$ 169,200					\$169,200
6. Contractual Services						
7. Other						
8. Other						
9. Subtotal (Lines 1-8)	\$ 382,026					\$ 382,026
10. Contingencies						
11. Total (Lines 9 and 10)	\$ 382,026					\$ 382,026
12. Total %	9.6%					9.6%

Columns A - E: Identify each proposed funding source and enter the amounts budgeted by cost category.

Proposed Method of Financing

	Secured Funds	Unsecured Funds (Date Anticipated)
A. Solid Waste Grant		\$ 382,026 July 2013
B. Solid Waste Loan		
C. Tax Levy		
D. Local Bond Issue		
E. Local Note		
F. Local Cash		
G. Other Solid Waste Enterprise Funds	\$ 3,969, 000	
H. Other (Explain)		
I. TOTAL	\$ 3,969, 000	\$ 382,026 July 2013

Amount of Funds to be borrowed for the Proposed Project

	Amount	Rate	Term	Annual debt service	Security pledged toward repayment
Solid Waste Management Loan					
Bank					
Bonds					
Other (Please describe)					
Other (Please describe)					
Other (Please describe)					

SOLID WASTE FEE INFORMATION

(Complete sections applicable for both the type of project being funded and the type of project operated by the applicant)

A. Landfills

	Current	Proposed	
1. Disposal Fee:			
Flat Rate (\$/_____)	_____	_____	_____
Volume Rate (\$/ ton _____)	\$59.00	\$59.00	\$59.00
2. Collection Fee:			
Residential: (monthly)	35gal - \$10.39	65gal - \$12.23	95gal - \$14.08
Business (if different)	_____	_____	_____
3. Itemized Tipping Fees (if applicable):			
Household waste (\$/_____)	_____	_____	_____
White goods (\$/_____)	_____	_____	_____
Tires (\$/ ton _____) \$2.55 < 16" no rim \$7.95 >= or on rim 6+ tires \$210.00	_____	_____	_____
Yard waste (\$/_____)	_____	_____	_____
Contaminated soil (\$/ ton _____)	\$4.50	_____	_____
Rubble (\$/ ton _____)	\$10.00	_____	_____
Other (describe) _____	_____	_____	_____
4. Population served:	110,000	_____	_____

B. Transfer Station/Waste Collection

	Current	Proposed
1. Tipping Fee:		
Flat Rate (\$/_____)	_____	_____
Volume Rate (\$/ ton _____)	_____	_____
2. Collection Fee:		
Residential	_____	_____
Business (if different)	_____	_____
3. Number of households served:	_____	_____
4. Number of businesses served:	_____	_____
5. Population served:	_____	_____
6. Landfill used for disposal:	_____	_____
7. Disposal cost at landfill (\$/ _____):	_____	_____

C. Recycling Centers/Materials Recovery Facilities

	Current	Proposed
1. Drop-off Fee:		
Flat Rate (\$/_____)	_____	_____
Volume Rate (\$/_____)	_____	_____
2. Collection Fee:		
Residential	\$4.60	_____
Business (if different)	_____	_____
3. Number of households served:	19,000	_____
4. Number of businesses served:	_____	_____
5. Population served:	47,500	_____
6. Landfill used for disposal:	City of Rapid City	_____
7. Disposal cost of non-recyclables at landfill (\$/_____):	_____	_____
8. Projected annual gross revenue from recyclable materials:	_____	_____

D. WASTE TIRE CLEANUP

(Waste tire numbers should be expressed on a “tire unit” basis of 20 lbs. passenger tires)

1. Number of tires at the site:	_____	
2. Age of the tire pile:	_____	
3. Are you currently collecting waste tires?	yes _____	no _____
If yes:		
a. Rate charged to accept tires: past _____	current _____	proposed _____
b. Number accepted/year:	current _____	proposed _____
c. Identify sources of tires:	_____	
4. Are items other than waste tires accepted:	yes _____	no _____
If yes, identify what items are accepted:	_____	
5. Location of the tire pile:	_____	

**Narrative
City of Rapid City
Solid Waste Department**

Executive Summary

The City of Rapid City Solid Waste Department provides collection of solid waste and recycling to city residents and the surrounding region. The City of Rapid City Solid Waste Department also provides for waste reduction and recycling programs by making available a Materials Recycling Facility in conjunction with a municipal landfill. To become more efficient in the processes of customer service a new public scale house facility is in the process of being constructed. This will include a new scale house trailer, each of two inbound scales and an outbound scale. This facility will incorporate an automated commercial scale that will be located on a separate ingress route which is designed specifically for commercial use.

Project Narrative

The newly designed automated scales and the scale house facility are designed for both ease and safety of the patrons. Due to the increase of both residential and commercial vehicles there is a need to separate commercial vehicles from the smaller passenger vehicles. Presently a new modern safety oriented Scale House and Scales are in the construction process. By doing this, Rapid City will be providing a safer and environment for the public. While studying traffic patterns and peak times for both commercial and residential vehicles it became apparent that a new facility was needed. Peak times for commercial vehicles increased 28% above the average month and peak periods for residential vehicles are 56% above the average month. Presently 12% of the commercial vehicles weigh twice and 30% of the residential vehicles weigh twice, meaning these vehicles weigh both inbound and outbound on one existing scale. With this increase in vehicles and the double weigh a newer and efficient program is necessary.

With the addition of both inbound and outbound scales, efficiency will be increased and a smoother traffic flow will be achieved. The new scale house will guide commercial vehicles quickly and easily to either the Materials Recovery Facility or the active landfill area. Residential customers will be diverted from the landfill to the new Citizen's Campus to dispose of their materials as opposed to the active area of the landfill where commercial trucks and heavy equipment operate. The public will be guided to a safer and more efficient area to deliver waste and recyclable goods as well as to pick up compost. This will allow for various materials to be collected in a controlled environment which will allow for the increased collection of recyclable goods and household garbage that can be diverted to the materials recovery facility for greater maximization for sorting and end product usage. By enhancing and relocating the existing scales facility, controlled procedures would allow for the better handling of current and future peaks in vehicle traffic volume.

The Regional Landfill services an area that is comprised of the following areas:

Rapid City - Box Elder - Ellsworth Air Force Base – Hermosa - Hill city - New Underwood
Keystone - Western portion of Unincorporated Pennington County - Portions of Unincorporated
Meade County - Portions of Unincorporated Custer County

Budgetary Information

The overall budgetary scope of this project is submitted by Scull Construction who has presented a Statement of Values for the Citizen Campus Project (Appendix 2). This Statement of Value breakdown is budgeted as lump sum amounts. The amount requested is based on the construction of two buildings, Scale House and an Education Center. The bids for the buildings are divided by two with some items based on 2/3 due to the extent of use of the scale house facility as opposed to the education center.

The physical Scale House building is 54' x 20' with a 15' entrance in conformance with ADA standards for wheel chair accessibility.

Building Interior:

- Scale Operations: Two teller windows and drawers,
Automated scale program
- Forward facing window for oncoming traffic review and exit traffic review
- Compliance Area: Cameras, Audio, Security programs, Reporting
- Two Restrooms: Male and Female
- Mechanical/ Electrical Room
- Break Room
- Suspended Acoustical ceiling tile
- Desk areas
- Flooring
- Insulation
- Plumbing
- HVAC
- Aesthetics

Building Exterior

- Metal Roof
- Inbound and Outbound Scales –
70' with two 15' concrete pad extensions for ingress and egress
- Bottom Grade for connection to Scales

The entire Citizen Campus project is funded through monies from the Solid Waste Operations. There was an authorization to bid for four million by Rapid City Council. The entire project is \$3,969,000 million. With the subsidization of funds through this grant other not included portions of the citizen campus can be completed immediately without further delay.

Below is a breakdown for costs. The attached spreadsheet reveals the specific formulas used.

Scale house, scale and automated scale

Item	Cost		
Buildings	\$	39,300	
Masonry	\$	17,400	
Casework/Millwork	\$	14,667	
Sealants	\$	4,000	
Glass & Glazing	\$	13,400	
Rough Carpentry	\$	4,000	
Ceramic	\$	5,800	
Flooring	\$	4,450	
Paint	\$	20,000	
Scales & Bargate	\$	169,200	
Fixtures Plumbing	\$	7,500	
HVAC			
Equipment	\$		10,473
Ductwork	\$		10,000
Register & Grill	\$		750
Finish	\$		749
Test & Balance	\$		4,805
Total	\$	26,776	
Scale house	\$	55,600	
Grand Total	\$	382,093	

All information presented is based on two buildings then divided per bid documents

Buildings: Two buildings Scale House and Education Center are budgeted for \$78,000. Divided by two is \$39,300.

Masonry: Two projects for Masonry totaling \$34,000, divided by two is \$17,400

Casework/Millwork: Total project is \$22,000. The Scale House will use approximately 2/3 of this funding due to education center will be a blank shell. Amount requested is \$14,667.

Sealant: Total project is \$8,000 and divide by 2 is \$4,000

Glass and Glazing: Total project \$20,100. The amount needed for the windows in the scale house far exceeds the education center. Amount requested is 2/3 of total.

Rough Carpentry: Total project \$6,000. The amount needed for the scale house far exceeds the need for the education center. Amount requested is 2/3 of total.

Ceramic: Tile for four bathrooms in two buildings plus entryways. Total project \$11,600, divided by 2 is \$5,800

Flooring: Total project \$8,900 divided by 2 is \$4,450

Paint: Total Project is \$40,000, divided by 2 is \$20,000

Scales and Bargate: The total project is assigned to the scale house \$169,200

Fixtures Plumbing: Total project \$15,000. Both building will have two bathrooms. Divided by 2 is \$7,500

HVAV: Total project \$53,552 divided by 2 is \$26,776.

Scale House: Total project is assigned to scale house \$55,600

Total project requested Grant is \$382,093

Eligibility and Need

This project that offers a safe and secure environment for residents and surrounding communities to drop off recyclables, yard waste, household garbage, and to participate in a plan that helps to support Waste Reduction. This project is a culmination of a long term planning process. The solid waste operations identified the problem of increased traffic both commercial and residential. With the separation and addition of two scales the Solid Waste Operations can provide safety for our residents and efficiencies for commercial haulers.

Long Range Planning

The Citizen Campus is a result of the Solid Waste Management Plan updated in January of 2010 and is a work in progress. This plan was developed to keep Rapid City Solid Waste moving forward to continue to “provide for the orderly, efficient, and safe collection, recycling, and disposal of solid waste”. This is a comprehensive solid waste management plan to address system needs for the next twenty years.

Appendix 1

Bid Tabulation for Citizen Campus Project

Appendix 2

Scull Construction Statement of Values Citizen Campus Bid

Appendix 3

Scale House Expenses

Appendix 4

Present and projected three year financial statements

Appendix 5

Income and Expense Statements