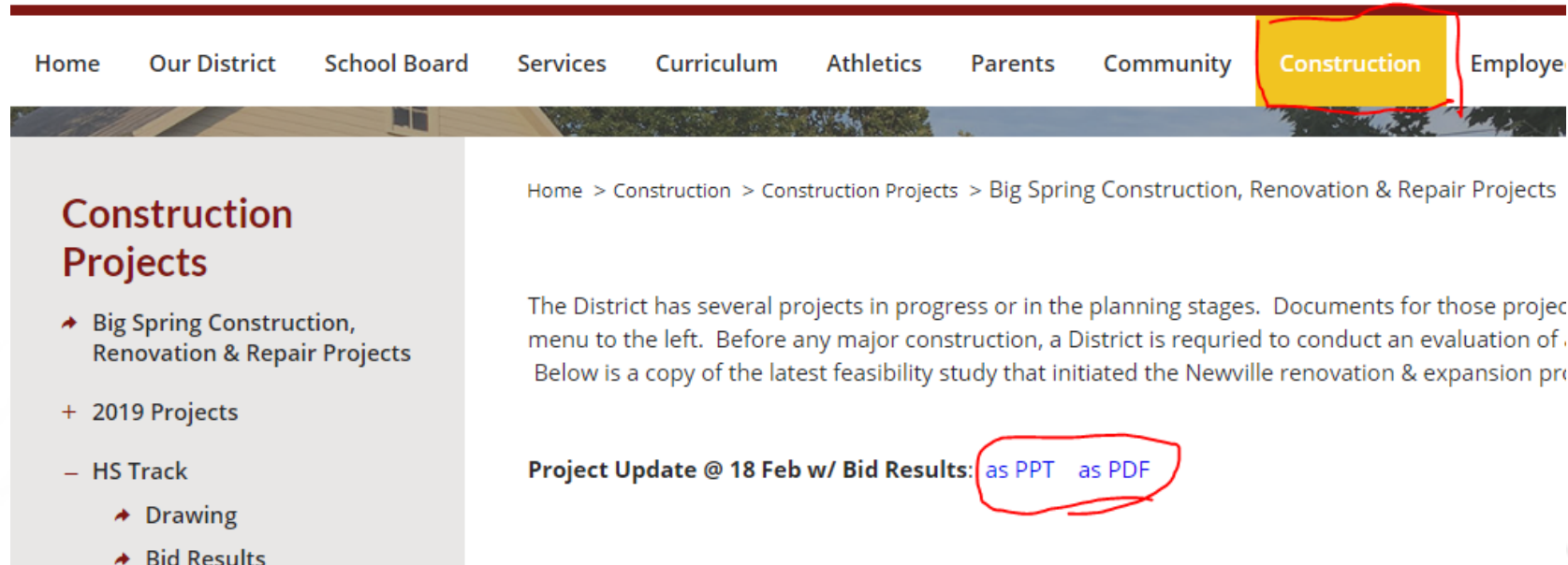


2019 Construction Estimates & Bid Results

@ 19 02 18

Construction Page

<https://www.bigspringsd.org/Page/2462>



The screenshot shows the Big Spring ISD website's Construction page. The navigation bar at the top includes links for Home, Our District, School Board, Services, Curriculum, Athletics, Parents, Community, Construction (highlighted in yellow), and Employee. The main content area has a left sidebar titled 'Construction Projects' with links to 'Big Spring Construction, Renovation & Repair Projects', '+ 2019 Projects', and '- HS Track' (which includes 'Drawing' and 'Bid Results'). The main text area shows a breadcrumb trail 'Home > Construction > Construction Projects > Big Spring Construction, Renovation & Repair Projects', a paragraph about project evaluations, and a 'Project Update @ 18 Feb w/ Bid Results' section with links 'as PPT' and 'as PDF' circled in red.

Home > Construction > Construction Projects > Big Spring Construction, Renovation & Repair Projects

The District has several projects in progress or in the planning stages. Documents for those projects are available in the menu to the left. Before any major construction, a District is required to conduct an evaluation of the project. Below is a copy of the latest feasibility study that initiated the Newville renovation & expansion project.

Project Update @ 18 Feb w/ Bid Results: [as PPT](#) [as PDF](#)

Estimates

Big Spring Middle School

Middle School - Phase 2		Est	\$ 2.50 Million	1/10/2019
IDENTIFIED BASE BID SCOPE ITEMS			BSSD Tasks	
renovate auditorium (maintain function + school store)		\$	1,296,860	
Auditorium house & stage lights				\$174,117
Projector & screen				\$24,024
renovate library/comp lab & group spaces		\$	210,000	
renovate room adjacent to LGI into makerspace		\$	15,500	
New bell/intercom system (hardware & reconfig)				\$ 120,000
data cabling: copper, bells-intercom, security cameras				\$ 100,000
fiber upgrades				\$ 20,000
servers & storage for security cameras				\$ 75,000
Replace water heaters		\$	30,000	
convert tech classroom to collaborative space		\$	15,000	
replace cafeteria furniture; install TV's		\$	10,000	
Audio - commons, gym & auditorium				\$ 90,000
pupil service needs				\$ 2,500
level floor in LGI & new layout		\$	110,000	
security cameras				\$ 107,355
gymnasium sound deadening panels		\$	4,500	
Interactive panels & TVs				\$45,875
		SUBTOTAL	\$ 1,691,860	
ESTIMATING CONTINGENCY	5.00%	\$	84,593	
SUBTOTAL STRUCTURE COST - BASE BID			\$ 1,776,453	
CONSTRUCTION RELATED SOFT COSTS - BASE BID				
SUBTOTAL CONSTR. SOFT COSTS			\$ 332,778	
SUBTOTAL CONSTR. & CONSTR. SOFT COSTS - BASE B			\$ 2,109,231	
MOVEABLE FIXTURES / EQUIPMENT				
FURNITURE/EQUIPMENT ALLOWANCE*		\$	389,367	
ESTIMATED TOTAL PROJECT COSTS - BASE BID			\$ 2,498,598	\$758,871

IDENTIFIED ALTERNATE BID SCOPE ITEMS		
IEFS replacement with metal panels	\$	375,000
stadium lighting replacement	\$	450,000
brick repointing	\$	125,000
Alternate Bids Total =	\$	950,000

Mt. Rock Elementary

Mount Rock E.S. - Phase 2		Est	\$	1.74 Million	1/10/2019
IDENTIFIED BASE BID SCOPE ITEMS					BSSD Tasks
level tiered floor in LGI & renovate into library			\$	265,000	
communications to fitness area					\$ 1,800
masonry & sealant repair around fitness area			\$	4,500	
upgrade kitchen equipment & layout			\$	220,000	
interior finish work (painting) & casework replacement (incl. sink removal in cl			\$	325,000	
technology rough-ins			\$	45,000	
replace bell/intercom system (hardware & config)					\$ 60,000
add stalls to boys locker room in fitness center & replace shower poles			\$	20,000	
construct permanent wall in reading classroom			\$	10,000	
replace existing classroom operable partition			\$	20,000	
replace sections of concrete in front of main entrance & add bollards			\$	30,000	
renovate existing library to become LGI (inc. new vct)			\$	115,000	
data cabling: copper, bell-intercom, security cameras					\$ 75,000
security cameras					\$ 67,684
Server expansion to support video streaming & cameras					\$ 15,000
fiber upgrades					\$ 22,000
interactive smart TV's					\$ 285,000
replace PA system in gym & commons area					\$ 30,000
Stadium audio upgrade					\$ 35,000
modify layout in pupil services (instr. Coaches classroom)			\$	15,000	
modify existing door to overhead at old music area			\$	15,000	
replace building water/sewer components			\$	125,000	
SUBTOTAL			\$	1,209,500	
ESTIMATING CONTINGENCY		5.00%	\$	60,475	
SUBTOTAL STRUCTURE COST - BASE BID			\$	1,269,975	
CONSTRUCTION RELATED SOFT COSTS - BASE BID					
SUBTOTAL CONSTR. SOFT COSTS			\$	233,330	
SUBTOTAL CONSTR. & CONSTR. SOFT COSTS - BASE BID			\$	1,503,305	
MOVEABLE FIXTURES / EQUIPMENT					
FURNITURE/EQUIPMENT ALLOWANCE*			\$	241,360	
ESTIMATED TOTAL PROJECT COSTS - BASE BID**			\$	1,744,665	\$591,484
IDENTIFIED ALTERNATE SCOPE ITEMS					
External power receptacles			\$	9,000	
brick repointing			\$	5,000	
look at emergency generator replacement			\$	250,000	
replacement of main electrical switchgear			\$	203,500	
Alternate Bids Total =			\$	467,500	

Oak Flat Elementary

Oak Flat E.S. - Phase 2		Est	\$	0.74 Million	10/8/2018
IDENTIFIED BASE BID SCOPE ITEMS					BSSD Tasks
replace door hardware to meet ADA, including re-key to master system			\$	75,000	
replace select exterior doors			\$	19,250	
security cameras			\$	67,684	
replace bells intercom speakers (config & license)			\$	30,000	
interactive smart TV's			\$	352,000	
NV retrofit PC for Smartboards			\$	24,000	
copper cabling			\$	60,000	
add panelboards/wiring/curcuits for MDF/IDF power			\$	40,000	
shelter lockdown system			\$	8,750	
technology rough-ins			\$	45,000	
renovate comp lab into LGI			\$	85,000	
replace existing visual boards associated with installation of tvs by district			\$	125,000	
SUBTOTAL			\$	398,000	
ESTIMATING CONTINGENCY	5.00%		\$	19,900	
SUBTOTAL STRUCTURE COST - BASE BID				\$	417,900
CONSTRUCTION RELATED SOFT COSTS - BASE BID					
SUBTOTAL CONSTR. SOFT COSTS	7.00%		\$	44,253	
SUBTOTAL CONSTR. & CONSTR. SOFT COSTS - BASE BID				\$	462,153
MOVEABLE FIXTURES / EQUIPMENT					
FURNITURE/EQUIPMENT ALLOWANCE			\$	273,669	
ESTIMATED TOTAL PROJECT COSTS - BASE BID				\$	735,822
				\$	533,684
IDENTIFIED ALTERNATE SCOPE ITEMS					
External power receptacles			\$	8,000	

Big Spring High School

High School - Phase 2		Est	\$ 0.33 Million	10/8/2018
IDENTIFIED BASE BID SCOPE ITEMS				BSSD Tasks
replace select windows @ commons and stair towers		\$	33,750	
Program modifications to tech-ed		\$	195,000	
TV Studio Tricaster Upgrade				\$35,000
Additional Growler/ flex seating		\$	15,000	
Interactive panels/tv				\$26,400
		SUBTOTAL	\$ 243,750	
ESTIMATING CONTINGENCY	5.00%	\$	12,188	
SUBTOTAL STRUCTURE COST - BASE BID			\$ 255,938	
CONSTRUCTION RELATED SOFT COSTS - BASE BID				
SUBTOTAL CONSTR. SOFT COSTS		\$	50,459	
SUBTOTAL CONSTR. & CONSTR. SOFT COSTS - BASE BID			\$ 294,209	
MOVEABLE FIXTURES / EQUIPMENT				
FURNITURE/EQUIPMENT ALLOWANCE*		\$	38,972	
ESTIMATED TOTAL PROJECT COSTS - BASE BID			\$ 333,181	\$61,400

IDENTIFIED ALTERNATE BID SCOPE ITEMS			
new windows in LGI	\$	5,000	
add school name to front of building	\$	10,000	
Alternate Bids Total =	\$	15,000	

2019 Project Estimates	Construction	Soft+FFE	Total Project	Alternates	BSSD
Oak Flat Elem	\$ 417,900	\$ 317,922	\$ 735,822	\$ 8,000	\$ 533,684
Mt. Rock Elem	\$ 1,269,975	\$ 474,690	\$ 1,744,665	\$ 467,500	\$ 591,484
BS Middle School	\$ 1,776,453	\$ 722,145	\$ 2,498,598	\$ 950,000	\$ 758,871
BS High School	\$ 255,938	\$ 77,243	\$ 333,181	\$ 15,000	\$ 61,400
Total	\$ 3,720,266	\$ 1,592,000	\$ 5,312,266	\$ 1,440,500	\$ 1,945,439

Cumulative Total	\$ 5,312,266	\$ 6,752,766	\$ 8,698,205
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Add Alternates - Description	Est Cost
MS IEFS replacement with metal panels	\$ 375,000
MS Stadium lighting replacement	\$ 450,000
MS brick repointing	\$ 125,000
HS Add 1 st name to front of high school	\$ 5,000
HS Add windows to LGI	\$ 10,000
OF External power receptacles	\$ 8,000
MR External power receptacles	\$ 9,000
MR Brick repointing	\$ 5,000
MR Emergency generator replacement	\$ 250,000
MR Replacement of main electrical switch	\$ 203,500
Total Alternates	\$ 1,440,500
	\$ 5,160,766

Estimate Summary

Est of Construction+Alternates

MS EIFS Replacement





MS EIFS Replacement

MR Main Switchgear Replacement



MR Geothermal Field Controls

- supports MS also



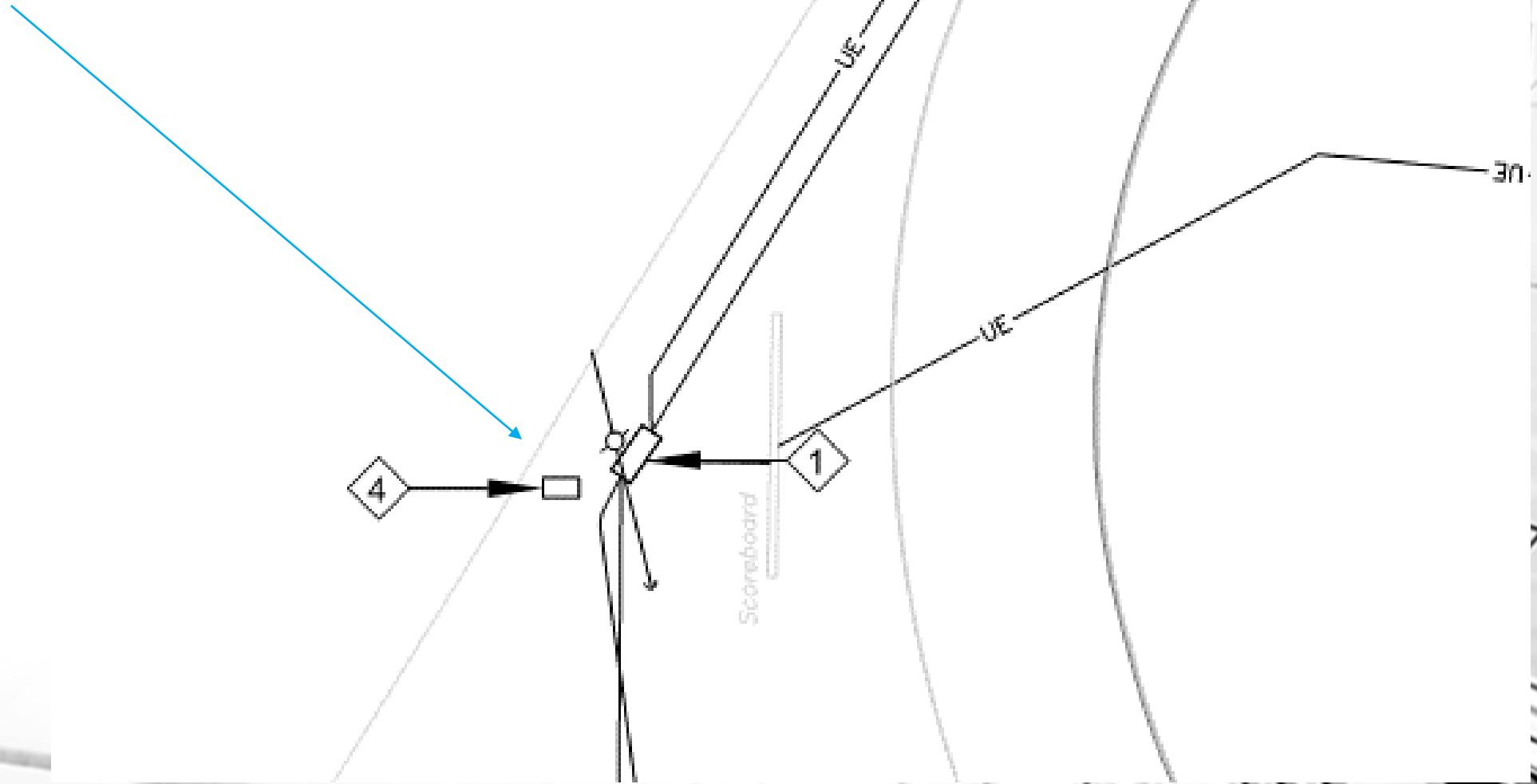
MR Generator Replacement

- replacement & upsize...a lot



Stadium Light Replacement

- includes generator behind scoreboard



Q&A From B&P Meeting

MR Switch Gear – Spoke with Tim regarding the problem he had restarting electric at MR immediately following an emergency demand response exercise. Tim advises that the event took place during the summer. Power was shut off to all schools for the exercise and the normal routine was to turn power off at the main disconnect switch. When the exercise was over he attempted to turn the power on via the main switch and it did not work. The event was several years ago and he does not remember all the particulars. He does remember that we did call in a commercial company electrician to address the problem. The electrician was eventually able to restore power and advised Tim that the main disconnect mechanism was weak. Tim said from that day forward he never used the main switch when power had to be shut off to the building. Instead he went to each individual panel of the switch gear to disconnect. Energy demand response exercise are generally about 5-7 hours in length.

The current MR generator is three phase, 15KW which is only 7 amps. The new one will be 277/480v, 300kw, 3-phase (diesel)

The Bids

Oak Flat

<i>East Coast</i>	<i>ECI</i>	<i>Frey Lutz</i>	<i>Lobar, Inc</i>	<i>Mann Plumb</i>	<i>Oyler</i>	<i>Stouffer</i>	<i>SSM</i>
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Individual Bids

Oak Flat

Gen Construction	458,000	436,700					
HVAC							
Plumbing							7,950
Electrical				122,500		74,900	
EC-1 Ext receptacles				<u>4,000</u>		<u>4,425</u>	
				126,500		79,325	

523,975

Mt Rock

East Coast	ECI	Frey Lutz	Lobar, Inc	Mann Plumb	Oyler	Stouffer	SSM
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Individual Bids

Mt Rock ES

Gen Construction	1,170,000	1,093,000					
GC-1 Brick clean/repoint	5,500	4,500					
	1,175,500	1,097,500					
HVAC			48,500				
Plumbing					90,501		84,775
Electrical				200,000			
EC-1 Emergency Gen Repl				240,300			
EC-2 Main Switchgear Repl				303,900			
EC-3 Ext receptacles				3,500			
				747,700			

1,978,475

Middle School

	East Coast	ECI	Frey Lutz	Lobar, Inc	Mann Plumb	Oyler	Stouffer	SSM
Individual Bids								

BS Middle School

Gen Construction	1,437,000	1,429,200						
GC-1 EIFS Repl	250,000	333,700						
GC-2 Brick clean/repoint	<u>90,000</u>	<u>87,500</u>						
	1,777,000	1,850,400						
HVAC			153,000					
Plumbing								107,375
Electrical				264,200		221,975		
EC-1 Stadium Light				<u>509,000</u>		<u>564,823</u>		
				773,200		786,798		
								2,810,575

High School

18-Feb

<i>East Coast</i>	<i>ECI</i>	<i>Frey Lutz</i>	<i>Lobar, Inc</i>	<i>Mann Plumb</i>	<i>Oyler</i>	<i>Stouffer</i>	<i>SSM</i>
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Individual Bids

BS High School

Gen Construction	157,000	186,000					
GC-1 New ext windows	15,200	17,000					
GC-2 Ext bldg lettering	<u>5,500</u>	<u>5,800</u>					
	177,700	208,800					
HVAC							
Plumbing							18,380
Electrical				36,000		32,267	

18-Feb

Combined Bids

East Coast	ECI	Frey Lutz	Lobar, Inc	Mann Plumb	Oyler	Stouffer	SSM
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Combined Bids

Gen Construction	3,217,000	3,104,000					
GC-1 Brick clean/repoint	5,500	4,500					
GC-2 EIFS Repl	250,000	333,700					
GC-3 Brick clean/repl	90,000	87,500					
GC-4 New ext windows	15,200	17,000					
GC-5 Ext bldg lettering	<u>5,500</u>	<u>5,800</u>					
	3,583,200	3,552,500					
HVAC						123,000	
Plumbing						211,800	216,000
Electrical				620,000			
EC-1 MR Repl emergency gen				240,300			
EC-2 MR Repl main Switchgear				303,900			
EC-3 MR Ext receptacles				3,500			
EC-4 MS Repl stadium lights				509,000			
EC-5 OF Add ext receptacles				<u>4,000</u>			
				1,680,700			

5,568,000

111,808

Individual Totals	
Gen Construction	3,488,900
HVAC	- none for HS & C
Plumbing	218,480
Electrical	1,632,492

Individual v. Combined

Combined Bid Total: \$5,568,000

Winners - Assuming all alternates	
Gen Construction	\$3,488,900 individual ECI (OF+MR), East Coast (MS+HS)
HVAC	\$123,000 combined - Stouffer
Plumbing	\$211,800 combined - Stouffer
Electrical	\$1,632,492 individual - Lobar (MR+MS), Oylar (HS+OF)
\$5,456,192	Total
\$5,160,766 = CRA Project Estimate	
(\$295,426) over estimate	
-5.7%	

Winning Bids

Project / Alternate	Amount	Winning Bidder
Gen Construction OF	\$436,700	<i>eciConstruction</i>
Gen Construction MR	\$1,093,000	<i>eciConstruction</i>
GC-1 Brick clean/repoint	<u>\$4,500</u>	
	\$1,097,500	
Gen Construction MS	\$1,437,000	<i>East Coast Contracting</i>
GC-1 EIFS Repl	\$250,000	
GC-2 Brick clean/repoint	<u>\$90,000</u>	
	\$1,777,000	
Gen Construction HS	\$157,000	<i>East Coast Contracting</i>
GC-1 New ext LGI window	\$15,200	
GC-2 Ext bldg lettering	<u>\$5,500</u>	
	\$177,700	
HVAC - combined	\$123,000	<i>Stouffer</i>
Plumbing - combined	\$211,800	<i>Stouffer</i>
Electrical OF	\$74,900	<i>Oyler Elect.</i>
EC-1 Ext receptacles	<u>\$4,425</u>	
	\$79,325	
Electrical MR	\$200,000	<i>Lobar, Inc</i>
EC-1 Emergency Gen Repl	\$240,300	
EC-2 Main Switchgear Repl	\$303,900	
EC-3 Ext receptacles	<u>\$3,500</u>	
	\$747,700	
Electrical MS	\$264,200	<i>Lobar, Inc</i>
EC-1 Stadium Light	<u>\$509,000</u>	
	\$773,200	
Electrical HS	\$32,267	<i>Oyler Elect.</i>
Total	\$5,456,192	

Current Balance Construction Funds

Bid Day Total (incl Alternates)	\$ 5,456,192
Soft Cost (incl FFE)	\$ 1,592,000
Tech-BSSD	\$ 1,945,439
Tech CO1	\$ 75,000
Total Est Project Cost	\$ 9,068,631

Phase 2 Invoices Paid	<u>\$ (167,799)</u>
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Balance to Fund	<u>\$ 8,900,832</u>
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Available Funds (@ 20 Feb)

Newville Projects	\$ 2,003,557
Mt. Rock Projects 2018	\$ 6,546,899
Total Bond Funds	\$ 8,550,457

Est Bond Fund Balance	\$ (350,375)
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Capital Projects Reserve	\$ 7,190,841
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Notes:

Chris Barnett: Essentially yes - we're about 6% over. Good news is we have \$450k allocated in construction contingency. We had that much allocated for \$9 million worth of work last year and used less than 1/2 of it.

Rob Krepps: Per our conversation, I estimate we should add \$75,000 to the projects list to cover:

- ✓ Additional security cameras, licensing, installation for MS, MR, OF, Fitness Center
- ✓ Smart Panels and TVs installation and cabling (commons) in the MS
- ✓ Additional network switches for the security cameras
- ✓ Fitness Center Communications rack, switch, fiber, and copper, bells intercom PA

Questions ?

