



**ENGINEERING DEPARTMENT BI-WEEKLY PROJECT PROGRESS UPDATE
NOVEMBER 17, 2017**

CITY PROJECTS:

JACKSON BLVD IMPROVEMENTS PROJECT	PROJECT #: 2018-01
Water, sewer, storm drainage, and street improvements from Exit 12 to University Street. Improvements include raised medians w/ landscaping, controlled access (right-in right-out), one lane each direction w/ turn lanes at intersections, bike lanes from University Street to 5th Street, street side parking from 5th Street to Exit 12, and a roundabout at Ames Street.	
The City is planning a public meeting tentatively scheduled for 12/7. Phase 1 bid letting now planned for July/Aug 2018 with construction completed in Nov 2019, Phase 2 construction in 2020.	
HUNGRY HOLLOW MITIGATION GRANT WORK	PROJECT #: 2017-28
Preparation of work required to apply for State/Federal Mitigation Grant. FEMA provides HMGP grants to states that, in turn, provide sub-grants to local governments for mitigation activities such as planning and the implementation of projects identified through the evaluation of natural hazards. If selected, there are funds of up to ~ \$1.3 million with 75/25 cost share.	
The grant application package was submitted to state and reviewed for consideration to the State Hazard Mitigation Team. The City was notified on 11/10 that our project was not selected for funding but has been sent into FEMA for consideration of others federal grant funds. The City will be notified in Feb-Mar '18 if this project is selected.	
10TH STREET ADA REPAIRS	PROJECT #: 2017-14
Updating curb ramps to ADA compliance from Jackson Boulevard to North Avenue	
Under Construction - Street Department Project - Project should be completed by the end of November.	
CITY HALL IMPROVEMENTS	PROJECT #: 2017-10
Drainage improvements, ADA sidewalk repairs, water service replacement and patching/overlay to parking lot, irrigation system rehab, library outdoor area	
Budgeted for design and construction in 2018. The Request for Proposal (RFP) is scheduled to be completed and sent out to FMG Engineering the week after Thanksgiving for a design cost proposal.	
SPEARFISH CREEK FLOODPLAIN STUDY	PROJECT #: 2017-09
AE2S floodplain study of Spearfish Creek from Exit 10 to Spearfish Canyon using lower flow of ~4800 cfs (currently modeled with ~7200 cfs). Budgeted in 2017 and 2018.	
AE2S has completed the Phase 2 Scope Proposal and will be considered for approval at the City Council Meeting on 11/20/17 and the County Commissioner Meeting 11/21/17.	
WOODSTAVE PENSTOCKS REPLACEMENT	PROJECT #: 2017-01
Replacement of two-36" redwood stave penstocks from Forbay to the Standpipes (Mountain Plains Subdivision) with one 48" HDPE pipe. Design consultant is WW Wheeler & Assoc. This replacement is a requirement of the Federal Energy Regulatory Commission-FERC. Construction is ~\$730K and design/project management is ~\$150K.	
The Hydro plant is currently shutdown. The new 48" HDPE pipe is tied in at Forebay and work continues to tie in at the Standpipes. The Penstocks are expected to be back on line in December. Price estimates for the new electrical and propane lines to the standpipes and reinforcing the Forebay walls is forthcoming and are expected by 11/27/17 for change order approval.	

COLORADO BLVD 12" WATER MAIN (EXIT 14)	PROJECT #: 2016-01
New 12" water transmission main on Colorado Blvd from 27th Street, east approximately 4400 feet to existing 12" main (Kenny Price property). Identified in water master plan. Remove eastbound outside lane on 1st Ave from 27th Street east one block, install new curb & gutter, and add new sidewalk.	
Construction of the waterline along Colorado Boulevard was completed in 2016. The curb, gutter, and sidewalk on 1st Avenue are complete. The retaining wall and sidewalk at the 27 th Street intersection are complete, minus the handrail. The seeding is scheduled to be completed the week of 11/20/17. The riprap on the north side of Colorado Boulevard, at the Heritage Drive storm sewer outlet is completed. The surface finish on the retaining wall will be completed next spring, or when the weather permits.	
2017 BRIDGE INSPECTIONS REPORT	PROJECT #: N/A
Bi-annual report required by SDDOT. Condition of all bridges within Spearfish City Limits. Coordinated minor repairs/maintenance with the Street Department. Major repairs set up contracts. Major work to be completed with Capitol Project funding and/or with the SDDOT Bridge Improvement Grant (BIG) funding.	
The city received the final report from HDR. The findings are being reviewed.	

SD DOT PROJECTS:

ACORN RIDGE ROAD BRIDGE REPLACEMENT	PROJECT #: 2018-02
Located 1/4 mile east of St. Onge Road intersection (Exit 17). SDDOT bridge replacement project. Design engineer is HDR Engineering. Scheduled to be constructed in 2018. Funding is 80/20, State/City.	
Design Plans completed & submitted to SDDOT for final review, SDDOT will have bid letting ~Nov 2017, 2018 construction, staking CenturyLink & Excavation Specialists completed lowering of fiber line on 10/27.	
SDDOT EXIT 14 IMPROVEMENTS	PROJECT #: 2016-03
Reconstruction of the Exit 14 Interchange with a single point interchange. Realigning 27th Street North of Colorado Boulevard to the East to line up with 27th Street South of Colorado Boulevard.	
Construction started in the spring of 2016. Construction on I-90 is substantially complete. Construction on Colorado Boulevard is substantially complete. Construction on 27th Street South of Colorado Boulevard is substantially complete. Concrete paving at the intersection of 1st Avenue and 27th Street is substantially complete. Concrete paving on southbound 27 th St north of the bridge is complete and open to traffic. Concrete paving on 27th Street to tie into the bridge and the interstate ramps continues. Construction on the bridge continues. The bridge deck and barrier curb are complete. Work continues on the bridge ends, raised curb, and signal bridge. The substantial completion date for this project was November 9, 2017. The overall completion date for this project is June 1, 2018.	

PRIVATE DEVELOPMENTS:

TESLA CHARGING STATION @ EXIT 8	PROJECT #: 2017-30
Charging station for Tesla vehicles located south of I-90, west of McGuigan Road, north of gas station & Old Hwy 14	
Construction is complete. No public improvements for dedication.	
SPRING CREEK RANCH SANITARY SEWER	PROJECT #: 2017-23
Extension of Sanitary Sewer to potential development land. East of Butte Electric, North of Sunrise Lane and East of Old Belle Road.	
Plans are now approved. Owner may wait to have constructed until Spring 2018.	
BROOKS LOOP PHASE 2	PROJECT #: 2017-20
Extension of Brooks Loop to the West of Luke Court intersection. (Residential Lots)	
Plans are now approved. SWS to started construction ~11/16. Will not be completed until spring 2018.	

FORGEY SITE - INDUSTRIAL PARK	PROJECT #: 2017-19
Construction of commercial building. Northwest corner of Industrial Drive & 1st Avenue.	
Drainage report was approved. Currently under construction. Interstate Engineering needs to submit as-builts of detention pond prior to Certificate of Occupancy.	
KNECHT'S HOME CENTER	PROJECT #: 2017-16
New construction of commercial building. Southeast corner of 27th St and 4th Avenue	
Grading operations and foundation construction have begun. Construction will continue into 2018. The 3rd submittal with the drainage report revisions was resubmitted on 11/7/17 and comments are due ~11/28/17.	
NEWMAN CENTER-BHSU	PROJECT #: 2017-15
New building for Catholic club made up of interested BHSU students & faculty. Northwest Corner of University Street and King Street	
Under construction. Anticipated completion is fall of 2018.	
MAIN AND JACKSON BUILDING	PROJECT #: 2017-11
New commercial building. Southwest Corner of Main and Jackson	
Under construction. Anticipated completion of building shell in December 2017. Interior building improvements from tenants to begin thereafter.	
TOP SHELF DEVELOPMENT - MCGUIGAN RANCH PHASE 4	PROJECT #: 2017-04
Single Family/Residential Development located West of McGuigan Road, North of Tumble Weed Trail, South of Old Hwy 14 (Top Shelf Avenue, Suntory Avenue, Green Spot Lane, Talisker Avenue)	
Under construction. All utilities are completed under the roadways. Asphalt paving the bottom lift has begun. Road base and C&G continue to be placed. Substantial completion is scheduled for December 1, 2017 (weather permitting).	
SEATON CIRCLE INDUSTRIAL PARK (LOTS 4B & 5B - BLK1)	PROJECT #: 2016-29
Small commercial lot development located north of 1st Avenue, West of Seaton Circle, North of BH Pioneer Building	
Under construction. Met on site with the developer and designer on 9/22/17 to review non-approved field changes. Awaiting revised hydrology and grading plan from developer/design engineer.	
VILLAGES AT CREEKSIDE	PROJECT #: 2016-27
Commercial lot development located north of Creekside Apartments, west of North Avenue, south of Old Hwy 14.	
Under construction. Utilities are completed. Curb, gutter, and asphalt paving are complete. Work continues on the sidewalk, approach paving, and the detention structure.	
RESERVE ON HIGGINS CREEK PHASE 4	PROJECT #: 2016-21
Phase 4 of the Reserve located east of Ward Avenue, south of Pintlar Ave, north of south development boundary.	
Phase 4A (Russell Street) is complete w/ minor punch list items & public improvements have been dedicated to the City as of 10/16/17. Phase 4B (Beartooth Loop) is nearly complete with asphalt paving completed on 11/12. FEMA floodplain submittal, dry utilities, street lighting and sidewalk remain prior to final walkthrough.	
FALSE BOTTOM ADDITION (LOTS 1 & 2 - BLOCK 1)	PROJECT #: 2016-19
Commercial lot development for Legacy Enterprises (Lot 2) and Rec Station (Lot 1). South of Colorado Boulevard, West of False Bottom Creek.	
Legacy Enterprises building is substantially complete. Rec Station plans under review-awaiting resubmittal, grading has begun. The site detention facility is constructed as well. As-builts/CCR for detention pond prior to Certificate of Occupancy. Failing compaction tests to be addressed.	