



**ENGINEERING DEPARTMENT - PROJECT PROGRESS UPDATE
FEBRUARY 27, 2018**

CITY PROJECTS:

2018 GRAZING LEASE - LOOKOUT MOUNTAIN	PROJECT #: 2018-12
2018 grazing lease for Lookout Mountain. Perry is the main contact.	
Bid Opening is scheduled for 3/26/18. Resolution of Intent to PW Committee meeting is scheduled for 4/16/18 as a Public Hearing. Award Highest Bid and approve Lease at 4/16/18 City Council meeting.	
CITY HALL IMPROVEMENTS	PROJECT #: 2018-11
Drainage improvements, ADA sidewalk repairs, water service replacement and patching/overlay to parking lot, irrigation system rehab, library outdoor area	
Budgeted for design in 2018 and construction in 2019. Engineering Department is currently working with FMG Engineering to reduce cost of design proposal and will tentatively take to 3/5/18 Council Meeting for award.	
SPEARFISH CREEK FLOODPLAIN STUDY – PHASE II	PROJECT #: 2018-10
This phase will study numerous breakout flow areas within the City and County and propose possible improvements to eliminate or reduce these flows and convey them safely back to the main creek channel. Preliminary construction costs will also be provided for each improvement project.	
The City sent AE2S signed contract on 1/9/18. Work is proceeding and a progress meeting is tentatively planned in April.	
CITY STANDARDS & SPECIFICATIONS	PROJECT #: 2018-09
New goal is to have the standards and specs completed and incorporated by end of 2018.	
Staff met with HDR on 2/22/18 and established a project schedule. Staff will begin review 'Engineering Design Standards' section and return comments to HDR by 4/15/18.	
GREEN ACRES TANK WATERLINE DISTRIBUTION	PROJECT #: 2018-08
This project is identified within the City's Water Master Plan. New 12" water distribution line from Green Acres Tanks to 12" main along Colorado Blvd. Alignment is along 32nd Street-10th Ave-33rd Street. Also includes a new 12" line along the west side of Maitland Road that will loop the 12" Colorado Blvd water main to a 6" line approximately 1300' to the south. AE2S is the design consultant	
Staff sent AE2S comments on the 95% plans and specifications on 2/22/18 to incorporate into the final bid plans/specs. Plans will be ready for Contractors on 3/12/18. Pre-Bid meeting is on 3/20/18 with bid opening on 3/26/18. Award bid at 4/2/18 Council mtg. The Completion Date is set for 10/15/18. City Utilities Department will need to tie the 2 homes adjacent to Maitland Road onto City sewer prior to construction (currently have septic drain fields).	
SANDSTONE PARK RECREATION PATH EXTENSION	PROJECT #: 2018-05
New Recreation Path from the West side of Sandstone Park to the sidewalk ending on the North side of the detention pond berm. An additional path will also link the berm to existing sidewalk along south side of Stampede Drive. The design will be done in house by the Engineering Department. Grant money will be used to fund a majority of project.	
Target completion of design plans is early March. Setting bid opening for 3/26/18. Award bid at 4/2/18 Council meeting.	

OLD TOWN SANITARY SEWER TRUNKLINE EXT PH3	PROJECT #: 2018-04
Extension of the New 21" Sanitary Sewer Trunkline on State Street from Federal to Dakota and on Dakota Street from State to the East 10th Street Alley. An existing 8" transit water main will also be replaced on State Street from Hudson to Dakota. HDR Engineering is designing the project.	
Council awarded lowest bid from Rapid Construction on 2/20/18. Public Info meeting is tentatively planned for late March. Construction to begin mid-April.	
JACKSON BLVD IMPROVEMENTS PROJECT	PROJECT #: 2018-01
Water, sewer, storm drainage, and street improvements from Exit 12 to University Street.	
Revised concept plan is being considered by City Council members. AE2S is preparing new design contract that will be ready for staff review in early March. Phasing, funding and bid letting TBD.	
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 11/10/17 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 mid-March 2018 if this project is selected.	
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 Final pay request, under/over change order and Certificate of Completion, signifying the beginning of the 2 year warranty, was approved by Council on 2/20/18. The City and WW Wheeler will then compile and submit the Final Inspection Report to FERC by ~3/2/18.	
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 is substantially complete. All that remains is the surface finish on the retaining wall, touch up work on the hand railing, and touch up the shaping & seeding at the 1 st Avenue and 27 th Street intersection.	
2017 BRIDGE INSPECTIONS REPORT	PROJECT #: N/A
Bi-annual report required by SD DOT. 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 SD DOT Bridge Improvement Grant (BIG) funding.	
The city received the final report from HDR. The Engineering Department is working on a repairs/maintenance spreadsheet. The Engineering and Street Departments met on 1/9/18 to coordinate needed minor work to be completed in house and major work to Capital Projects/SDDOT BIG program.	

SD DOT PROJECTS:

ACORN RIDGE ROAD BRIDGE REPLACEMENT	PROJECT #: 2018-02
Located 1/4 mile east of St. Onge Road intersection (Exit 17). SD DOT bridge replacement project. Design engineer is HDR Engineering. Scheduled to be constructed in 2018. Funding is 80/20, State/City. Replacing the Bridge with a Box Culvert.	
USACE & SHPO approval of the project has now been received. Bid letting is tentatively scheduled mid-April 2018 through the SD DOT. Construction starting in July 2018. The Completion Date is set for November 3, 2018. The City Water & Sewer Department still need to abandon a portion of an existing waterline that will conflict with the construction of the new box culvert.	
SD DOT 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.	
Electrical work for the signals and lighting continue. All other construction is shut down until spring. The overall completion date for this project is June 1, 2018.	

PRIVATE DEVELOPMENTS:

369 EVANS LANE WATERLINE EXTENSION	PROJECT #: 2018-13
Extension of 8" stub-out onsite with new service lines to 3 homes on site. This parcel is being subdivided into 3 lots and located on the west side of Evans Lane, in Lawrence County. All facilities will be privately owned and maintained	
Owner will be making request to connect to City water at 3/5 City Council meeting. Development plans and plat are being prepared and will be submitted to the City soon.	
BROOKS LOOP EXTENSION - PHASE 3B	PROJECT #: 2018-07
Extension of Brooks Loop to the west and south of the Phase 3A extension (project #2017-20), also includes Drake Court cul-de-sac, residential lots at Elkhorn Ridge Subdivision.	
Design Plans were approved on 2/6/18. Site Works Specialists are performing utilities installation, starting with sanitary sewer.	
MCDONALDS RECONSTRUCTION	PROJECT #: 2018-06
Complete Replacement and site reconstruction. At current location, southeast corner of Ryan Road and N. Main St.	
The 2nd submittal documents received on 2/16/18. Staff comments are due on ~3/9/18.	
GREEN ACRES TRACT B-1 LOT DEVELOPMENT	PROJECT #: 2018-03
Tract B-1 of Green Acres Subdivision. Storage condominiums development. No existing services so new ones will need to be extended from nearest existing mains.	
The 1st submittal was received on 1/23. City comments due ~2/10/18. Grading permit was issued on 12/5/17. Site grading is substantially complete. ROW permit issued on 12/21/17 for installation of sewer service (has not started, to date).	
MILLER CREEK PUB @ ELKHORN RIDGE GOLF COURSE	PROJECT #: 2017-27
Located West of the Clubhouse and North of Miller Creek	
Plans were approved on 2/8/18. The Contractor is waiting to obtain a CORP 404 permit and SDDENR Stormwater/SWPPP permit before starting construction.	
LOT 3 BLOCK 1 HERITAGE ADDITION	PROJECT #: 2017-26
Located West of Heritage Drive and South of Auto Doctor. Lot Grading and Construction of retaining wall.	
The 3rd submittal was received on 1/12/18. The City approved plans on 1/25/18. City ROW and grading permits are required prior to commencement of construction.	
PLATINUM DRIVE LOT 5 BANK & STARBUCKS	PROJECT #: 2017-25
Located on the North side of Platinum Drive and West of 27th Street. Lot 5 of Stone Ridge Commons.	
The plans were approved on 11/27/17. Construction start date not yet set.	

JAKE'S BODY SHOP	PROJECT #: 2017-24
Located South of Colorado Blvd, east of Maitland Rd Campground, and West of the Carpet Outlet Store.	
Staff completed the 4th Submittal review on 2/20/18 and has no further comments. An approval letter and signed/approved plans will be provided to the developer after the water tap cost recapture fee is paid and the sewer system maintenance/ownership agreement finalized and recorded.	
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 approved. Construction is scheduled to begin in the Spring 2018.	
CLEAR SPRING APARTMENTS - LOT 1R-BLK4	PROJECT #: 2017-22
Located on the southwest corner of Tumbleweed Trail & Clear Springs Rd. In the McGuigan Ranch Addition.	
The 3rd submittal received on 2/20/18. Review comments are due ~3/12/18.	
BROOKS LOOP EXTENSION - PHASE 3A	PROJECT #: 2017-20
Extension of Brooks Loop to the West of Luke Court intersection. (Residential Lots)	
SWS has completed installation of the sanitary sewer, water, and storm sewer. Will continue working on Phase 3B utilities. Completion is scheduled for the spring/summer 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.	
CHRISTENSEN DR. APARTMENTS	PROJECT #: 2017-17
Located on the West side of Christensen Drive and North of the Campground entrance.	
The civil/site plans were approved on 12/05/17. The construction start date has not been set.	
KNECHT'S HOME CENTER	PROJECT #: 2017-16
New construction of commercial building. Southeast corner of 27th St and 4th Avenue	
Plans approved on 12/28/17. Framing the new building is ongoing. Storm sewer is currently being installed along 4 th Street. Construction will likely continue through the Fall 2018. Failing density tests on the storm sewer backfill to be addressed this spring.	
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 in the Fall of 2018.	
EVANS ADDITION - BLOCKS 7 & 8	PROJECT #: 2017-07
Located East of Evans Lane, West of Spearfish Creek, South of Custer Street, and North of Nellie St.	
Review of the 3rd submittal was completed on 12/29/17. Awaiting 4th submittal	
PONDEROSA APARTMENTS & PARKING LOT IMPROVEMENTS	PROJECT #: 2017-06
Located on the East side of 10th Street between Michigan and Nevada. Rehabbing buildings and parking lot/drainage.	
Under construction.	
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)	
A final walkthrough was performed on 1/22/18 and punch list items were provided on 1/23/18. The Developer's bonding request for outstanding items to be completed (sidewalk, top lift of asphalt, etc.) was approved at the 2/5/18 Council meeting so final platting may begin.	

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 or BH Pioneer Building	
Under construction. Additional fill has been placed in areas below 50-yr WSE, as identified by Interstate Engineering., as per the meeting on 9/22/17 to review the non-approved field changes. Awaiting revised hydrology and grading plan from developer/design engineer.	
VILLAGES AT CREEKSIDE & DETENTION FACILITY	PROJECT #'S: 2016-27 & 2017-29
Commercial lot development located north of Creekside Apartments, west of North Avenue, south of Old Hwy 14. Private detention facility that will be service Lots 5-7.	
Final walkthrough completed on 12/20/17. CCR/as-builts were submitted to the City on 2/12 for review/approval prior to dedication of Public Improvements and approved by staff on 2/26/18. Dedication is on the Council agenda for 3/5/18. The HOA will take over maintenance/ownership of all existing and future private storm drainage elements including this detention facility. Future drainage easements should be established around the perimeter of these elements as well.	
LOTS 1-3 OF TRACT A FAIRWAY ADDITION	PROJECT #: 2016-22
Utility services extensions, grading, and subdivision of southwestern most lots along Canyon Gate.	
Review of the 1st submittal of as-built of channel improvements were completed on 1/24/18. Awaiting resubmittal.	
RESERVE ON HIGGINS CREEK PHASE 4 & RUSSELL ST. BOX CULVERTS	PROJECT #: 2016-21 & 2016-30
Phase 4 of the Reserve located East of Ward Avenue, South of Pintlar Ave, and North of the South development boundary. Dual 3' x 7' concrete box culverts at undefined creek drainage for Russell Street extension.	
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. The final walkthrough was completed on 1/8/18. Punch-list items are completed with the exception of the street lighting. Lots adjacent to the unnamed drainage channel currently under review by FEMA shall not be platted/developed until the proposed LOMR is approved. The CCR & As-Builts were approved on 2/21/18. Dedication of public improvements was approved at 2/20/18 Council meeting.	
Construction of the Box Culvert is now complete, including guardrail. Still awaiting CCR/as-builts after LOMR is approved. 1st submittal LOMR review comments by FEMA were received by Interstate Engineering on 2/2. A 2nd submittal is required. LOMR approval is required prior to dedication and acceptance.	
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 complete and a Certificate of Occupancy issued. Rec Station construction is ongoing with the building shell nearly complete and asphalt paving of the parking lot complete. The site detention facility is constructed as well. As-builts/CCR for detention pond need to be completed and approved prior to Certificate of Occupancy. Failing compaction tests on the detention pond need to be addressed prior to Certificate of Occupancy. Email reminder was sent on 2/8/18 to developers.	