



**ENGINEERING DEPARTMENT - PROJECT PROGRESS UPDATE  
JANUARY 12, 2018**

**CITY PROJECTS:**

<b>SPEARFISH CREEK FLOODPLAIN STUDY – PHASE II</b>	<b>PROJECT #: 2018-10</b>
Phase I project number is 2017-09. 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 should commence in later January/early February.	
<b>CITY STANDARDS &amp; SPECIFICATIONS</b>	<b>PROJECT #: 2018-09</b>
New goal is to have the standards and specs completed and incorporated by end of 2018.	
City staff will meet on 1/12/18 to review existing work and compile a tentative work schedule to kick start project again.	
<b>2018 MAITLAND ROAD 12" WATER MAIN PROJECT</b>	<b>PROJECT #: 2018-08</b>
Installation of a new 12" water main along the west side of Maitland Road. This project is identified within the City's Water Master Plan and will provide a loop by connecting to existing 12" main along the south side of Colorado Blvd and to an existing 6" approximately 1300' south within the old McLaughlin Saw Mill property the City purchased. AE2S was selected to complete the design.	
AE2S provided the City a preliminary layout of the water main on 12/21/17 for review. Comments due back by 01/16/18.	
<b>SANDSTONE PARK RECREATION PATH EXTENSION</b>	<b>PROJECT #: 2018-05</b>
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.	
Engineering Department has begun design of the project. Design to be completed after completion of the Penstock Project in February 2018.	
<b>OLD TOWN SANITARY SEWER TRUNKLINE EXT PH3</b>	<b>PROJECT #: 2018-04</b>
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.	
Final Plans will be completed for bidding by 1/22/18. The pre-bid meeting is scheduled for 1/30/18. Bid letting is scheduled for 2/5/17. Construction is scheduled to start in the spring of 2018.	
<b>JACKSON BLVD IMPROVEMENTS PROJECT</b>	<b>PROJECT #: 2018-01</b>
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 council voted to retain 4 lanes on Jackson in December 2017. AE2S and City staff will meet in mid-January to discuss new concept plans of street section which includes 4 lanes, as well as discuss other project improvement options (Ames Street, street lighting, landscaping, etc.). Phasing and bid letting TBD.	

<b>HUNGRY HOLLOW MITIGATION GRANT WORK</b>	<b>PROJECT #:</b> 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 in February or March 2018 if this project is selected.	
<b>10TH STREET ADA REPAIRS</b>	<b>PROJECT #:</b> 2017-14
Updating curb ramps to ADA compliance from Jackson Boulevard to North Avenue. Street Department Project.	
The project is completed and closed out.	
<b>CITY HALL IMPROVEMENTS</b>	<b>PROJECT #:</b> 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) has been reviewed and the sent out to FMG Engineering for a project design proposal.	
<b>SPEARFISH CREEK FLOODPLAIN STUDY</b>	<b>PROJECT #:</b> 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.	
Both the City and the County have approved the Phase 2 AE2S proposal. Contract documents are in the process of getting signed and returned to AE2S. Work on the project is scheduled to start after the beginning of the new year 2018.	
<b>WOODSTAVE PENSTOCKS REPLACEMENT</b>	<b>PROJECT #:</b> 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 project is substantially complete. The contractor (RCS) is scheduled to complete the concrete reinforcement walls at Forebay by 1/30/18 to finalize construction. The final pay request and under/over change order will then need to be completed. The City and WW Wheeler will then compile and submit the Final Inspection Report to FERC by 2/28/18.	
<b>COLORADO BLVD 12" WATER MAIN (EXIT 14)</b>	<b>PROJECT #:</b> 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 at the 27 <sup>th</sup> Street intersection is complete, minus the surface finish which is scheduled to be completed this spring. The pedestrian rail is installed. Change order 4 for the additional riprap, concrete retaining wall, and pedestrian railing was approved by Council on 1/2/18.	
<b>2017 BRIDGE INSPECTIONS REPORT</b>	<b>PROJECT #:</b> 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:**

<b>ACORN RIDGE ROAD BRIDGE REPLACEMENT</b>	<b>PROJECT #:</b> 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. Replacing the Bridge with a Box Culvert.	
Design Plans are ready and scheduled for bid letting in January 2018, with construction starting in the Spring of 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.	
<b>SDDOT EXIT 14 IMPROVEMENTS</b>	<b>PROJECT #:</b> 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 lights and signals are scheduled to be operational the end of January. All other construction is shut down until spring. The overall completion date for this project is June 1, 2018.	

**PRIVATE DEVELOPMENTS:**

<b>BROOKS LOOP PHASE 3B</b>	<b>PROJECT #:</b> 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.	
Preliminary plat was approved by City Council on 1/2/18. Awaiting construction plans for staff review.	
<b>MCDONALDS RECONSTRUCTION</b>	<b>PROJECT #:</b> 2018-06
Complete Replacement and site reconstruction. At current location, southeast corner of Ryan Road and N. Main St.	
1st submittal to City on 12/22/17. Comments are due ~1/12/18.	
<b>GREEN ACRES TRACT B-1 LOT DEVELOPMENT</b>	<b>PROJECT #:</b> 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.	
City staff awaiting building and site plans submittal from owner Ron Sneesby for review. Grading permit was issued on 12/5/17 for site grading only. ROW permit issued on 12/21/17 for installation of sewer service.	
<b>MILLER CREEK PUB @ ELKHORN RIDGE GOLF COURSE</b>	<b>PROJECT #:</b> 2017-27
Located West of the Clubhouse and North of Miller Creek	
Review of the 1st submittal was completed on 12/21/17. Awaiting 2nd submittal.	
<b>LOT 3 BLOCK 1 HERITAGE ADDITION</b>	<b>PROJECT #:</b> 2017-26
Located West of Heritage Drive and South of Auto Doctor. Lot Grading and Construction of retaining wall.	
The 2nd submittal review was completed on 11/3. Awaiting the 3rd submittal for final review/approval.	
<b>PLATINUM DRIVE LOT 5 BANK &amp; STARBUCKS</b>	<b>PROJECT #:</b> 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.	
<b>JAKE'S BODY SHOP</b>	<b>PROJECT #:</b> 2017-24
Located South of Colorado Blvd, east of Maitland Rd Campground, and West of the Carpet Outlet Store.	
The 2nd submittal review was completed on 1/09/18. Awaiting 3rd submittal. The water tap cost recapture fee needs to be paid by owner prior to construction. The sewer system maintenance/ownership agreement needs to be finalized prior to construction.	
<b>SPRING CREEK RANCH SANITARY SEWER</b>	<b>PROJECT #:</b> 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.	
<b>BROOKS LOOP PHASE 2</b>	<b>PROJECT #: 2017-20</b>
Extension of Brooks Loop to the West of Luke Court intersection. (Residential Lots)	
Installation of the sewer line is complete. Installation of the water line will follow. Completion is scheduled for the spring/summer 2018.	
<b>FORGEY SITE - INDUSTRIAL PARK</b>	<b>PROJECT #: 2017-19</b>
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.	
<b>DUKE PARKWAY MEDIANS</b>	<b>PROJECT #: 2017-18</b>
Located at Exit 17 at the entrance to the Elkhorn Ridge Development	
The project is completed and closed out.	
<b>CHRISTENSEN DR. APARTMENTS</b>	<b>PROJECT #: 2017-17</b>
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.	
<b>KNECHT'S HOME CENTER</b>	<b>PROJECT #: 2017-16</b>
New construction of commercial building. Southeast corner of 27th St and 4th Avenue	
Plans approved on 12/28/17. Construction is ongoing, likely through Fall 2018.	
<b>NEWMAN CENTER-BHSU</b>	<b>PROJECT #: 2017-15</b>
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.	
<b>MAIN AND JACKSON BUILDING</b>	<b>PROJECT #: 2017-11</b>
New commercial building. Southwest Corner of Main and Jackson	
Under construction. Building shell estimated completion is February or March 2018. Interior building permits have now been issued for the Brewery, VIP Properties and the Restaurant.	
<b>EVANS ADDITION - BLOCKS 7 &amp; 8</b>	<b>PROJECT #: 2017-07</b>
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	
<b>PONDEROSA APARTMENTS &amp; PARKING LOT IMPROVEMENTS</b>	<b>PROJECT #: 2017-06</b>
Located on the East side of 10th Street between Michigan and Nevada. Rehabbing buildings and parking lot/drainage.	
Under construction	
<b>TOP SHELF DEVELOPMENT - MCGUIGAN RANCH PHASE 4</b>	<b>PROJECT #: 2017-04</b>
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. The bottom lift of asphalt paving is complete. The top lift of asphalt paving & sidewalk will be completed in 2018. Work will continue, weather depending, on the dry utilities and drainage overflow.	
<b>SEATON CIRCLE INDUSTRIAL PARK (LOTS 4B &amp; 5B - BLK1)</b>	<b>PROJECT #: 2016-29</b>
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. The report for the outlet facility was approved on 12/21/17. As-builts for the facility will be required for review/approval prior to closeout. 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. The CCR/as-builts need to be submitted to City for review/approval prior to dedication of Public Improvements.	
LOTS 1-3 OF TRACT A FAIRWAY ADDITION	PROJECT #: 2016-22
Utility services extensions, grading, and subdivision of southwestern most lots along Canyon Gate.	
Under construction. Need as-built of channel improvements prior to Certificate of Occupancy (CO) being issued. Emailed the designer a reminder on 12/13/17.	
RESERVE ON HIGGINS CREEK PHASE 4	PROJECT #: 2016-21
Phase 4 of the Reserve located East of Ward Avenue, South of Pintlar Ave, and North of the 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. The final walkthrough was completed on 1/8/18 and a punch-list was provided to all parties. Reimbursement Costs for 8" to 12" waterline upsize cost spreadsheet was completed on 1/4/18. Final payment to WDG after they verify that all materials installed have been paid for. Punch-list items, CCR/as-builts all need to be completed and approved by City prior to dedication of public improvements. Lots adjacent to the unnamed drainage channel currently under review by FEMA shall not be platted/developed until the proposed LOMR is approved.	
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.	