

! 2018 ENGINEERING DEPARTMENT OVERVIEW

The mission of the Engineering Department is to provide quality engineering and building services to all citizens in a professional and efficient manner. The Engineering Department has 2 licensed civil engineers, 2 full time building staff, 2 full time airport staff, 1 part time intern and 1 office manager that is shared with the Community Development Department. The Engineering Department provides building permit and code services, engineering design and oversight of construction projects, infrastructure and storm drainage review, traffic system management and airport management.

Key Projects

	Description	Status
1	8 th Street and 20 th Ave Drainage Improvement Project	100%
2	Viaduct Drainage Improvement Project	100%
3	Annual Chip Seal Project	100%
4	Western Ave Sanitary Sewer Assessment	100%
5	Annual Concrete Maintenance Project	25%
6	Annual Street Maintenance & Overlay Project	80%
7	LeFevre Drive Street & Drainage Project	80%

Successes

- Issued 469 total building permits which included 63 new residential homes, 2 townhomes, 2 duplexes and 4 apartments with 96 units. The total residential 2018 value was \$19,895,819.00, up 17% from 2017, and the commercial value was \$21,218,896, down 3% from 2017.
- The airport saw a total of 45,803 aircraft operations in 2018, which was a 41% increase from 2017.
- Construction was completed on the newest and largest hangar on the field, capable of housing 2 aircraft.

Challenges

- Staff spent a large amount of time with citizen interaction and analysis resulting from a large rain event on July 19, 2018. The rain data obtained from SDSU indicated that 6.27" of total rain fell in approximately 4 ½ hours.



Looking Ahead

The following projects are budgeted for 2019:

- 22nd Avenue Phase 1 Reconstruction Project from Minnesota Dr. to Eastbrook Dr.: \$4,600,000.
- Asphalt Overlay Project: \$1,200,000
- Concrete Maintenance Project: \$510,000
- Drainage Master Plan Update: \$75,000
- Jackrabbit Avenue Box Culvert Project: \$375,000 (City Share)
- Medary Avenue & Highway 14 Bypass Detention Pond Project: \$100,000 (City share)

Airport activities for 2019:

- Successfully complete the FAA Part 139 Inspection in April
- Complete the sanitary sewer construction, parking lot grading and fencing around hangar and ARFF building.
- Reconstruct General Aviation Apron which is in serious condition from PCI testing.
- Consultants finished apron design with construction set to begin in late 2019 and be completed in 2020.



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