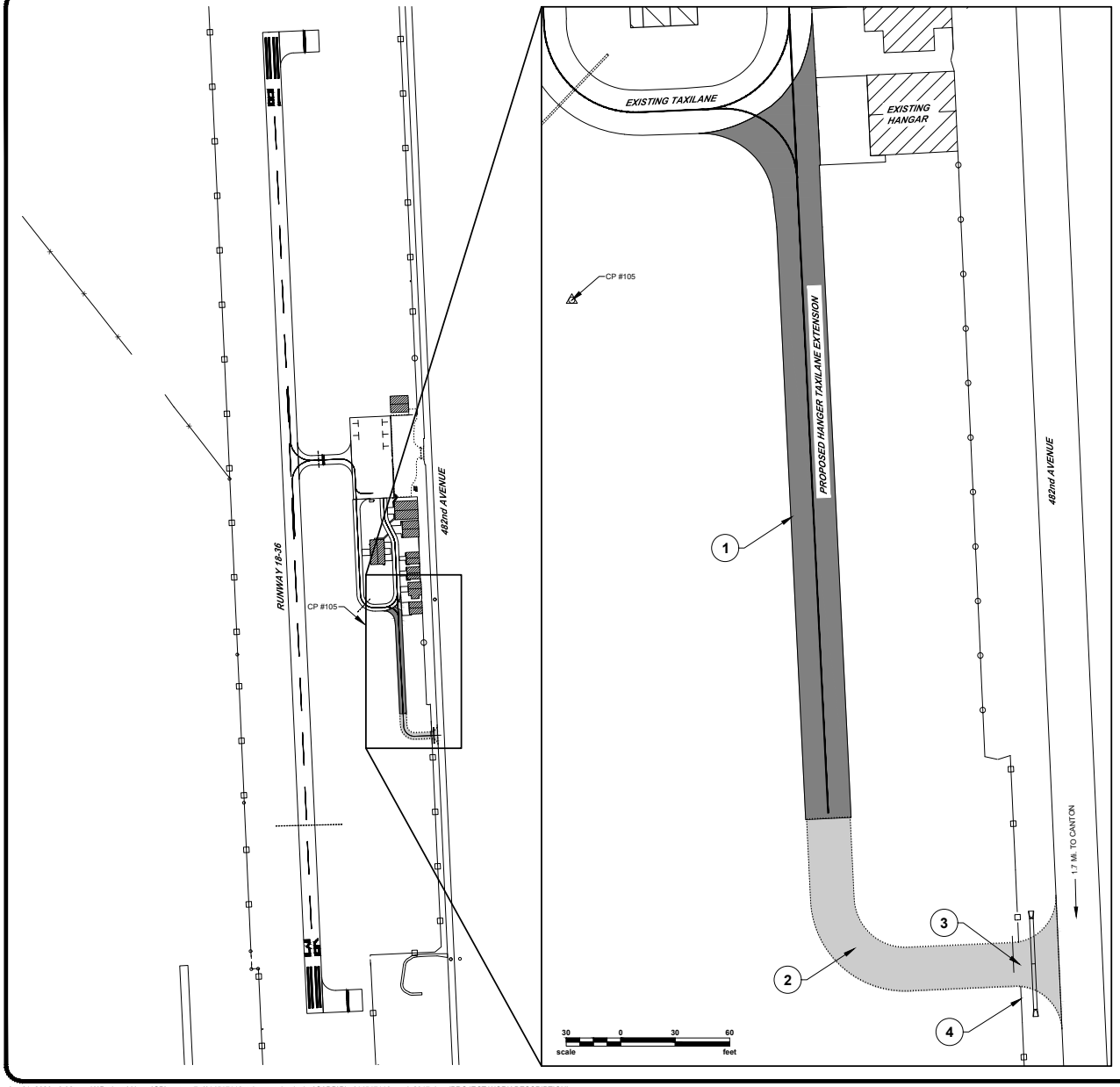

PROJECT WORK DESCRIPTION

1. CONSTRUCT HANGAR TAXILANE EXTENSION (APPROX. 400' X 25')
2. CONSTRUCT GRAVEL ACCESS ROAD (APPROX. 195' X 25')
3. REMOVE EXISTING FENCE AND INSTALL 24' MANUAL SINGLE SLIDE GATE
4. REMOVE AND REINSTALL EXISTING FENCE (APPROX. 60 L.F.)

BASIS OF ESTIMATE

CONCRETE PAVEMENT REMOVAL - FULL DEPTH (P-101) -	AVERAGE DEPTH CONCRETE PAVEMENT: ±5"
TOPSOIL REMOVAL (P-152) -	STRIP 6" OVER ALL EXCAVATION OR EMBANKMENT AREAS. (INCLUDED IN UNCLASSIFIED EXCAVATION QUANTITY FOR PAYMENT)
EMBANKMENT (P-152) -	15% ADDITIONAL VOLUME HAS BEEN ADDED FOR SHRINKAGE
SEPARATION GEOTEXTILE (P-154) -	ACTUAL S.Y., NO OVERLAP INCLUDED
GEOGRID (P-154) -	ACTUAL S.Y., NO OVERLAP INCLUDED
SUBBASE COURSE (P-154) -	COMPACTED VOLUME IN PLACE
AGGREGATE BASE (SDDOT 260) -	COMPACTED VOLUME IN PLACE
HOT MIX ASPHALT PAVEMENT (SDDOT 320) -	150 LBS/C.F.
EMULSIFIED ASPHALT TACK COAT (P-603) -	0.10 GAL./S.Y.
TOPSOIL REPLACEMENT (T-905) -	MEASURED IN STOCKPILES BY AVERAGE END AREAS OR PRISMOIDAL METHOD (PAID FOR AS TOPSOILING)

CONTROL POINT LIST

NO.	DESCRIPTION	LOCATION	ELEVATION
105	5/8"X60" REBAR	N377,903.71 E2,969,733.96	1277.11'

NOTE: VERIFY ELEVATIONS IN FIELD PRIOR TO CONSTRUCTION.

N

100 0 100 200
scale feet

T.98N., R.49W., S.13

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 12406
JACOB BRAUNAGEL
SOUTH DAKOTA
04/01/2020

KLJ

CANTON MUNICIPAL AIRPORT

CITY OF CANTON

CANTON, SOUTH DAKOTA

PROJECT WORK DESCRIPTION & BASIS OF ESTIMATE

DRAFTED	JAB
REVIEWED	JJB
PROJECT NUMBER	14517116
LAST REVISED DATE	03/27/2020
SHEET	1

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Apr 01, 2020 - 9:32am - K:\Projects\Airport\SD\canton_7g9\14517116_txlnextensiondesign\CADD\Plan\14517116_pwd_2017.dwg (PROJECT WORK DESCRIPTION)

Project Narrative (Justification)
2020 FAA Grant Application
Canton Municipal Airport

Project Item
Construct Hangar Taxilane Extension

What is the Project?
The project is for construction of a hangar taxilane extension at Canton Municipal Airport.

Why is the Project Needed Now?
The project is needed now due to demand for hangar development at the airport. In recent years, three private hangars have been constructed in the only remaining locations where existing taxilanes are located. The new taxilanes will provide access to new hangar development areas. The airport is maintaining a list of requests for hangar development space. The taxilanes would also provide access for a future T-hangar that is included in the Capital Improvement Plan (CIP). If the taxilanes project is delayed, there will be no available hangar development area remaining and thus will lead to lost revenue and airport growth. In addition, it is expected that the longer hangar development area is not available, more pilots will begin finding space at other airports in the region, hence reducing potential airport users in the future.

The project will ensure long-term economic sustainability of the airport by increasing revenues and based aircraft. With no available hangar development space, pilots are more often choosing another airport; this in turn will lead to a decreased outlook on fuel sales and land lease revenue. New taxilanes will increase based aircraft while also potentially attracting additional itinerant aircraft in the future when the T-Hangar is built.

The taxilanes project also addresses a goal identified in the South Dakota State Aviation System Plan (SDSASP). Canton is identified as a Small General Aviation Airport in the SDSASP. One goal for Small General Aviation Airports is to have hangar space available for 100% of based aircraft. The new taxilanes would allow for new hangar development spaces so that the airport can continue to provide hangar space for all based aircraft as user demand continues to increase at the airfield. This project helps to maintain and implement improvements to this goal.

Is the Project Phased?
Yes. This is the second phase of the project. The first phase of the project was the completion of the project plans and specifications.