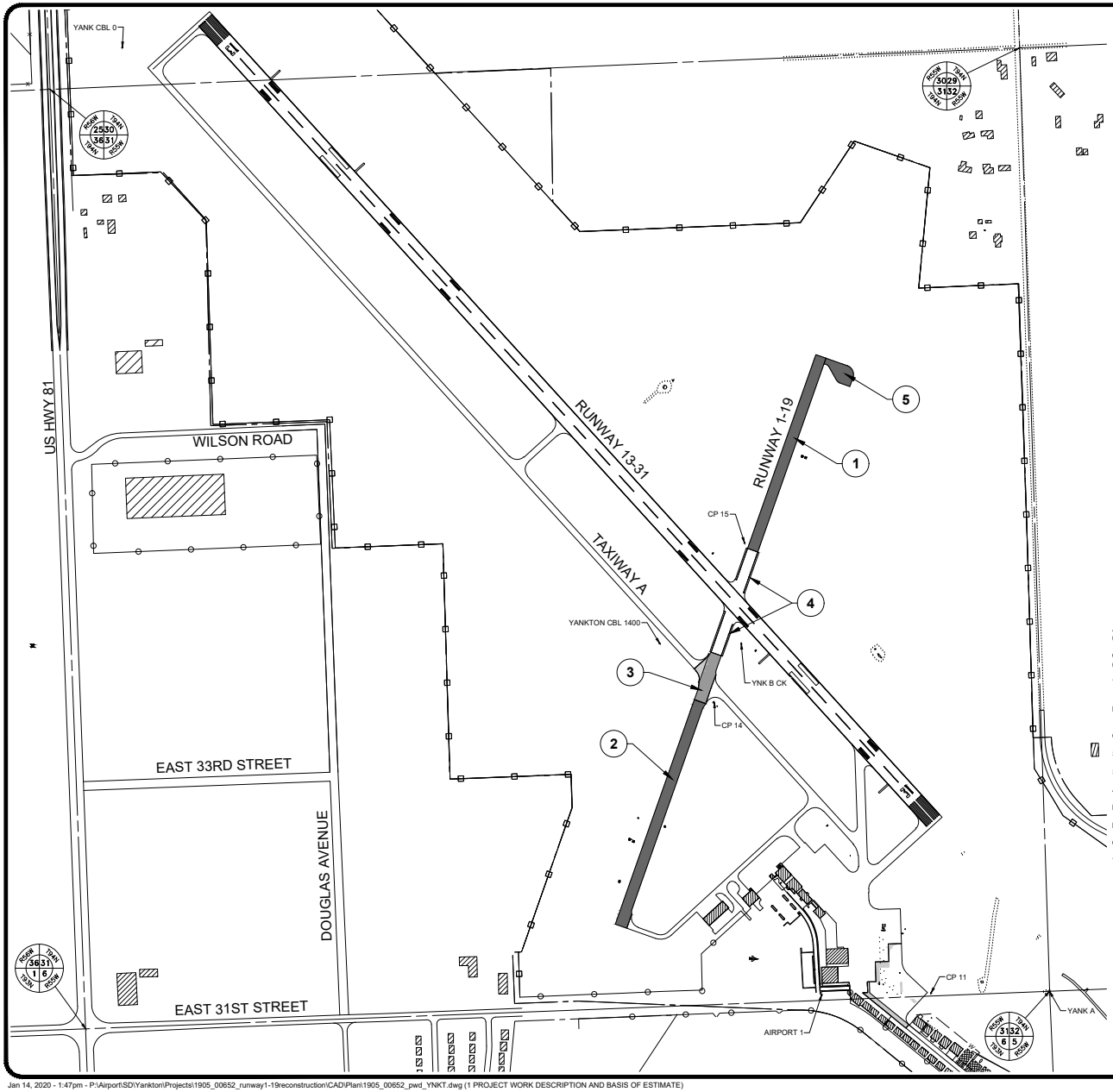

PROJECT WORK DESCRIPTION

BASE BID - RECONSTRUCT RUNWAY 1-19

1. RECONSTRUCT RUNWAY 1-19 NORTH OF RUNWAY 13-31 (1,150' X 60' APPROX.).
   REDUCE RUNWAY WIDTH FROM 75' TO 60'
   INSTALL NEW BITUMINOUS PAVEMENT
   INSTALL NEW MEDIUM INTENSITY RUNWAY LIGHTING
   RENUMBER RUNWAY 1-19 TO RUNWAY 2-20
2. RECONSTRUCT RUNWAY 1-19 SOUTH OF TAXIWAY A (1,333' X 60' APPROX.).
   REDUCE RUNWAY WIDTH FROM 75' TO 60'
   INSTALL NEW BITUMINOUS PAVEMENT
   INSTALL NEW MEDIUM INTENSITY RUNWAY LIGHTING
   RENUMBER RUNWAY 1-19 TO RUNWAY 2-20
3. RECONSTRUCT RUNWAY 1-19 AT TAXIWAY A (282' X 60'-75' APPROX.).
   INSTALL NEW CONCRETE PAVEMENT
   INSTALL NEW MEDIUM INTENSITY RUNWAY LIGHTING
4. REMOVE PAVEMENT ON RUNWAY 1-19 (426' X 7.5' APPROX. ON EACH SIDE).
   REMOVE CONCRETE PAVEMENT TO 60' TOTAL RUNWAY WIDTH

ALTERNATE 1 - CONSTRUCT RUNWAY 20 TURNAROUND

5. ~~CONSTRUCT RUNWAY 20 TURNAROUND (APPROX. 1,199 S.Y.).~~
   ~~INSTALL NEW BITUMINOUS PAVEMENT~~
   ~~INSTALL NEW RETROREFLECTIVE MARKERS~~

300 0 300 600
scale feet

N

BENCH MARK LIST

NO.	DESCRIPTION	LOCATION	ELEVATION
AIRPORT 1	USGS BRASS CAP	N223,348.1 E2,758,991.0 STA.10+10.88, 1190.81RT. RUNWAY 01-19	1269.21'
YANK A	USGS PIN BELOW COVER	N223,867.5 E2,760,226.0 STA.14+52.79, 2387.18RT. RUNWAY 01-19	1259.64'
YANKTON CBL 1400	USGS BRASS CAP	N225,810.6 E2,758,084.0 STA.25+64.96, 317.87LT. RUNWAY 01-19	1277.13'
YANK CBL 0	USGS BRASS CAP	N229,151.3 E2,755,076.0 STA.57+42.51, 4,262.81LT. RUNWAY 01-19	1305.49'
CP 11	REBAR W/ GUARD HUBS	N223,857.4 E2,759,603.0 STA.12+23.13, 1765.41RT. RUNWAY 01-19	1264.84'
YNK B CK	REBAR W/ GUARD HUBS	N225,812.5 E2,758,541.0 STA.27+14.35, 113.95RT. RUNWAY 01-19	1275.739'
CP 14	5/8" REBAR WITH CAP	N225,484.5 E2,758,385.0 STA.23+53.16, 75.79RT. RUNWAY 01-19	1276.842'
CP 15	5/8" REBAR WITH CAP	N226,378.6 E2,758,559.0 STA.32+53.78, 56.79LT. RUNWAY 01-19	1275.165'

BASIS OF ESTIMATE

ASPHALT PAVEMENT REMOVAL - FULL DEPTH (P-101) -	AVERAGE DEPTH BITUMINOUS PAVEMENT: ±4-5" RUNWAY 1-19
CONCRETE PAVEMENT REMOVAL - FULL DEPTH (P-101) -	AVERAGE DEPTH OF CONCRETE PAVEMENT: ±8" RUNWAY 1-19
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
GEOGRID (P-154) -	ACTUAL S.Y., NO OVERLAP INCLUDED
SEPARATION GEOTEXTILE (P-154) -	ACTUAL S.Y., NO OVERLAP INCLUDED
SUBBASE COURSE (P-154) -	COMPACTED VOLUME IN PLACE
AGGREGATE BASE COURSE (P-208) -	COMPACTED VOLUME IN PLACE
HOT MIX ASPHALT PAVEMENT (SP-320) -	150 LBS/C.F.
EMULSIFIED ASPHALT TACK COAT (P-603) -	0.10 GAL./S.Y.
CONCRETE PAVEMENT (P-501) -	S.Y. IN PLACE
TOPSOIL REPLACEMENT (T-905) -	MEASURED IN STOCKPILES BY AVERAGE END AREAS OR PRISMOIDAL METHOD (PAID FOR AS TOPSOILING)

This document was originally issued and sealed by Jacob Braunagel, Registration Number 12406 on January 14, 2020 and the original documents are stored at KLJ, Sioux Falls, SD. This media should not be considered a certified document.

KLJ

CHAN GURNEY MUNICIPAL AIRPORT

CITY OF YANKTON

YANKTON, SOUTH DAKOTA

PROJECT WORK DESCRIPTION AND BASIS OF ESTIMATE

DRAFTED A.J.M.
REVIEWED J.J.B.
PROJECT NUMBER 1905-00652
LAST REVISED DATE 01/14/2020
SHEET 1

Jan 14, 2020 - 1:47pm - P:\Airport\SD\Yankton\Projects\1905_00652_runway1-19reconstruction\CAD\Plan\1905_00652_pwd_YNKT.dwg (1 PROJECT WORK DESCRIPTION AND BASIS OF ESTIMATE)

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PART IV – PROGRAM NARRATIVE

(Suggested Format)

PROJECT: Reconstruct Runway 1-19, Remark Runway 1-19 to 2-20 and Install New MIRL System

AIRPORT: Chan Gurney Municipal Airport

1. Objective:

The project will consist of Reconstruction of Runway 1-19, Remark Runway 1-19 to 2-20 and Install New Medium Intensity Runway Lighting System

2. Benefits Anticipated:

Pavement will be reconstructed that is past its service life. Runway will be narrowed to proper with per ALP. Runway will be remarked to proper numerals based on current conditions. Medium Intensity Runway Lighting System will be replaced to provide a new reliable system.

3. Approach: (See approved Scope of Work in Final Application)

Construction - The project will be completed through a traditional construction contract. KLJ of Sioux Falls, SD will serve as the Sponsor's consultant to lead this effort.

4. Geographic Location:

Chan Gurney Municipal Airport is located approximimately 3 miles north of Yankton, South Dakota.

5. If Applicable, Provide Additional Information:

6. Sponsor's Representative: (include address & telephone number)

Dave Mingo, Community Development Director, 416 Walnut Street, Yankton, SD 57078, 605-668-5252