

April 28, 2025

Re: Parallel Taxiway Reconstruction
Harold Davidson Field
Vermillion, South Dakota
AIP #3-46-0056-022-2025
Helms #A-9445

Bid Opening: **April 30, 2025**
2:00 pm Local Time

ADDENDUM NUMBER 2

The following modifications are made to the plans and specifications for the Parallel Taxiway Reconstruction Project, Harold Davidson Field:

CONTRACT DOCUMENTS AND TECHNICAL SPECIFICATIONS

1. Contract Documents, Proposal, Page 437, delete in its entirety and replace with the attached page.

Added bid items and adjusted bid item quantities for additional signs.

ALL OTHER ITEMS OF THE PLANS AND SPECIFICATIONS REMAIN UNCHANGED

BY:  Michael A. Schmit

PROJECT ENGINEER, HELMS & ASSOCIATES

Acknowledge receipt of the Addendum by inserting its number on the Bid Form. Failure to do so may subject bidder to disqualification. This Addendum forms a part of the Contract Documents. It modifies them as above.

Item #	Spec #	Item Description	Quantity	Unit	Unit Price	Total Price
44	L-125	Remove & Salvage Existing Unlighted L-858 Airfield Sign; Remove & Dispose of Concrete & Junction Box	12	Each	\$	\$
45	L-125	L-861T, 30-Inch Elevated, Mode 1, LED, Medium Intensity Taxiway Light (MITL), Blue, Including Base Can	8	Each	\$	\$
46	L-125	L-858R/L Mandatory/Location Airfield Sign, Size 1, Style 4 (Unlighted), Mode 1, 2-Module, Including Concrete Sign Pad	2	Each	\$	\$
47	L-125	L-858R/L Mandatory/Location Airfield Sign, Size 1, Style 4 (Unlighted), Mode 1, 3-Module, Including Concrete Sign Pad	2	Each	\$	\$
48	L-125	L-858Y Directional Airfield Sign, Size 1, Style 4 (Unlighted), Mode 1, 2-Module, Including Site Pad	8	Each	\$	\$
49	L-125	Spare Parts	1	L.S.	\$	\$
50	L-125	L-858Y Directional Airfield Sign, Size 1, Style 4 (Unlighted), Mode 1, 3-Module, Including Site Pad	5	Each	\$	\$
51	L-125	L-858L/Y Location/Directional Airfield Sign, Size 1, Style 4 (Unlighted), Mode 1, 3-Module, Including Site Pad	4	Each	\$	\$

Subtotal Base Bid items 1 – 51 inclusive \$ _____

Written: _____ Dollars

All Items Furnished and Installed

*For Base Bid, Unit Prices will govern where used. Incorrect extensions or totals will be corrected and the corrected figures will be used in determining the low bidder. Final contract amount after construction will be determined based upon final quantities and unit price.

DATE: April 28, 2025

PROJECT: Parallel Taxiway Reconstruction
Harold-Davidson Field
Vermillion, South Dakota
DGR Project No. 730303

LETTING DATE AND LOCATION: April 30, 2025, 2:00 PM
City Finance Office
City of Vermillion
25 Center Street
Vermillion, SD 57069

ADDENDUM NO. 2


This Addendum forms a part of the Contract Documents and modifies the Contract Documents, Specifications, and Drawings as described below. The Bidder shall acknowledge receipt of this Addendum in the space provided on the Revised Bid Form as part of this addendum as failure to do so may subject the bid to disqualification.

Drawings:

1. REPLACE the following plan sheets with the attached: E1.
2. REMOVE the following plan sheets: E5.
3. ADD the following plan sheets attached: E5A and E5B.

This addendum shall become a legal and binding part of the contract documents. All Bidders shall agree to accept the revisions indicated and prepare proposals in accordance therewith.

DGR Engineering

By 
Brian Meyer, PE



ABBREVIATIONS

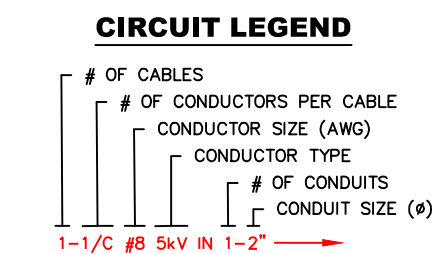
Table of abbreviations including AAA (AIRPORT AIRSPACE ANALYSIS), AAC (AIRCRAFT APPROACH CATEGORY), AASHTO (AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS), AC (ADVISORY CIRCULAR), ADG (AIRPLANE DESIGN GROUP), ADO (AIRPORTS DISTRICT OFFICE), AG (AGRICULTURAL), AGL (ABOVE GROUND LEVEL), AIP (AIRPORT IMPROVEMENT PROGRAM), AL (ALIGNED ACROSS), ALP (AIRPORT LAYOUT PLAN), AOA (AIRCRAFT OPERATIONS AREA), ARC (AIRPORT REFERENCE CODE), ARFF (AIRCRAFT RESCUE AND FIRE FIGHTING), ARP (AIRPORT REFERENCE POINT), ASTM (AMERICAN SOCIETY FOR TESTING AND MATERIAL), ATC (AIR TRAFFIC CONTROL), ATC-F (AIR TRAFFIC CONTROL FACILITIES), ATCT (AIRPORT TRAFFIC CONTROL TOWER), ATO (AIR TRAFFIC ORGANIZATION), AWG (AMERICAN WIRE GAUGE), AWOS (AUTOMATED WEATHER OBSERVING SYSTEMS), BM (BENCH MARK), BMP (BEST MANAGEMENT PRACTICE), BRL (BUILDING RESTRICTION LINE), CAT (CATEGORY), CKT (CIRCUIT), CFR (CODE OF FEDERAL REGULATIONS), CL (CENTERLINE), CO (CLEANOUT), COMM (COMMUNICATIONS), CSPP (CONSTRUCTION SAFETY & PHASING PLAN), CU (COPPER), CWY (CLEARWAY), DA (DECISION ALTITUDE), DEB (DIRECT EARTH BURIED), DER (DEPARTURE END OF RUNWAY DIAMETER), DNR (DEPARTMENT OF NATURAL RESOURCES), DOT (DEPARTMENT OF TRANSPORTATION), DR (DISTANCE REMAINING SIGN), E (EASTING OR EAST ELEVATION), ELEV (ELEVATION), EMT (ELECTRICAL METALLIC TUBING), EQ (EQUAL), EX OR EXIST (EXISTING), FAA (FEDERAL AVIATION ADMINISTRATION), FAR (FEDERAL AVIATION REGULATIONS), FBO (FIXED BASE OPERATOR), FCC (FEDERAL COMMUNICATIONS COMMISSION), FOD (FOREIGN OBJECT DEBRIS), GA (GENERAL AVIATION), GFCI (GROUND FAULT CIRCUIT INTERRUPTER), GND (GROUND), GPA (GLIDE PATH ANGLE), GS (GLIDESLOPE), HDPE (HIGH DENSITY POLYETHYLENE), HIRL (HIGH INTENSITY RUNWAY LIGHTS), HV (HIGH VOLTAGE), IAP (INSTRUMENT APPROACH PROCEDURES), IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION), ID (INSIDE DIAMETER), IES (ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA), IFR (INSTRUMENT FLIGHTS RULES), ILS (INSTRUMENT LANDING SYSTEM), IM (INNER MARKER), JB (JUNCTION BOX OR JUNCTION CAN), KV (KILOVOLT), L OR LT (LEFT), LF (LINEAR FOOT), LOS (LINE OF SIGHT), LP (LOCALIZER PERFORMANCE), LSUM (LUMP SUM), LV (LOW VOLTAGE), MALSR (MALS WITH RUNWAY ALIGNMENT INDICATOR LIGHTS), MAX (MAXIMUM), MH (MANHOLE), MIN (MINIMUM), MN (MAGNETIC NORTH), MP (MID POINT), MPH (MILES PER HOUR), MSL (MEAN SEA LEVEL), N (NORTHING OR NORTH), NAS (NATIONAL AIRSPACE SYSTEM), NAVAID (NAVIGATION AID), NDB (NON-DIRECTIONAL BEACON), NEMA (NATIONAL ELECTRIC MANUFACTURERS ASSOCIATION), NEPA (NATIONAL ENVIRONMENTAL POLICY ACT), NGS (NATIONAL GEODETIC SURVEY), NO. OR # (NUMBER), NOM (NOMINAL), NPA (NON-PRECISION APPROACH), NPDES (NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM), NPAS (NATIONAL PLAN OF INTEGRATED AIRPORT SYSTEMS), NTS (NOT TO SCALE), NWS (NATIONAL WEATHER SERVICE), OC (ON CENTER), OCS (OBSTACLE CLEARANCE SURFACE), OD (OUTSIDE DIAMETER), OE/AAA (OBSTRUCTION EVALUATION/AIRPORT AIRSPACE ANALYSIS), OFA (OBJECT FREE AREA), OFZ (OBSTACLE FREE ZONE), OM (OUTER MARKER), PA (PRECISION APPROACH), PAPI (PRECISION APPROACH PATH INDICATOR), PCC (PORTLAND CEMENT CONCRETE), PIR (PRECISION INSTRUMENT RUNWAYS PANEL), PNL (PRECISION OBSTACLE FREE ZONE), POFZ (PRECISION OBSTACLE FREE ZONE), PROP (PROPOSED), PSI (POUNDS PER SQUARE INCH), PVC (POLYVINYL CHLORIDE), PVI (POINT OF VERTICAL INTERSECTION), PWR (POWER), QTY (QUANTITY), R OR RT (RIGHT), RDC (RUNWAY DESIGN CODE), REIL (RUNWAY END IDENTIFIER LIGHTING REQUIRED), ROFA (RUNWAY OBJECT FREE AREA), ROFZ (RUNWAY OBSTACLE FREE ZONE), RPR (RESIDENT PROJECT REPRESENTATIVE), RPZ (RUNWAY PROTECTION ZONE), RSA (RUNWAY SAFETY AREA), RWY (RUNWAY), S (SOUTH), SCH (SCHEDULE), SDDOT (SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION), SOP (STANDARD OPERATING PROCEDURES), SPEC (SPECIFICATION), SRE (SNOW REMOVAL EQUIPMENT), SRM (SAFETY RISK MANAGEMENT), STA (STATION), STD (STANDARD), SWPPP (STORM WATER POLLUTION PREVENTION PLAN), T# (TAXIWAY SIGN DESIGNATION), TCH (THRESHOLD CROSSING HEIGHT), TDG (TAXIWAY DESIGN GROUP), THHN (THERMOPLASTIC HIGH HEAT-RESISTANT NYLON-COATED), THWN (THERMOPLASTIC HEAT & WATER-RESISTANT NYLON-COATED), TEMP (TEMPORARY), TESM (TAXIWAY EDGE SAFETY MARGIN), TH (THRESHOLD), TI (TAPER INTERSECTION), TL (TAXILANE), TODA (TAKEOFF DISTANCE AVAILABLE), TOFA (TAXIWAY AND TAXILANE OBJECT FREE AREA), TORA (TAKEOFF RUN AVAILABLE), TP (TAPER POINT), TSA (TAXIWAY/TAXILANE SAFETY AREA), TSR (TRANSPORTATION SECURITY REGULATION), TSS (THRESHOLD SITING SURFACE), TXY (TAXIWAY), TYP (TYPICAL), UAC (USE AS CONSTRUCTED), UF (UNDERGROUND FEEDER), UFC (UNIFIED FACILITIES CRITERIA), UHF (ULTRA-HIGH FREQUENCY), UL (UNDERWRITERS LABORATORIES), ULT (ULTIMATE), UNO (UNLESS NOTED OTHERWISE), USDA (UNITED STATES DEPARTMENT OF AGRICULTURE), USGS (U.S. GEOLOGICAL SURVEY), V (VISUAL), VGS (VISUAL GLIDE SLOPE INDICATOR), VHF (VERY HIGH FREQUENCY), VMR (HAROLD-DAVIDSON FIELD AIRPORT), W (WEST, OR WATER), WWF (WELDED WIRE FABRIC OR WELDED WIRE MESH), XFRM (TRANSFORMER), 50 (50' SPACING)

Table of abbreviations including NEMA (NATIONAL ELECTRIC MANUFACTURERS ASSOCIATION), NEPA (NATIONAL ENVIRONMENTAL POLICY ACT), NGS (NATIONAL GEODETIC SURVEY), NO. OR # (NUMBER), NOM (NOMINAL), NPA (NON-PRECISION APPROACH), NPDES (NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM), NPAS (NATIONAL PLAN OF INTEGRATED AIRPORT SYSTEMS), NTS (NOT TO SCALE), NWS (NATIONAL WEATHER SERVICE), OC (ON CENTER), OCS (OBSTACLE CLEARANCE SURFACE), OD (OUTSIDE DIAMETER), OE/AAA (OBSTRUCTION EVALUATION/AIRPORT AIRSPACE ANALYSIS), OFA (OBJECT FREE AREA), OFZ (OBSTACLE FREE ZONE), OM (OUTER MARKER), PA (PRECISION APPROACH), PAPI (PRECISION APPROACH PATH INDICATOR), PCC (PORTLAND CEMENT CONCRETE), PIR (PRECISION INSTRUMENT RUNWAYS PANEL), PNL (PRECISION OBSTACLE FREE ZONE), POFZ (PRECISION OBSTACLE FREE ZONE), PROP (PROPOSED), PSI (POUNDS PER SQUARE INCH), PVC (POLYVINYL CHLORIDE), PVI (POINT OF VERTICAL INTERSECTION), PWR (POWER), QTY (QUANTITY), R OR RT (RIGHT), RDC (RUNWAY DESIGN CODE), REIL (RUNWAY END IDENTIFIER LIGHTING REQUIRED), ROFA (RUNWAY OBJECT FREE AREA), ROFZ (RUNWAY OBSTACLE FREE ZONE), RPR (RESIDENT PROJECT REPRESENTATIVE), RPZ (RUNWAY PROTECTION ZONE), RSA (RUNWAY SAFETY AREA), RWY (RUNWAY), S (SOUTH), SCH (SCHEDULE), SDDOT (SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION), SOP (STANDARD OPERATING PROCEDURES), SPEC (SPECIFICATION), SRE (SNOW REMOVAL EQUIPMENT), SRM (SAFETY RISK MANAGEMENT), STA (STATION), STD (STANDARD), SWPPP (STORM WATER POLLUTION PREVENTION PLAN), T# (TAXIWAY SIGN DESIGNATION), TCH (THRESHOLD CROSSING HEIGHT), TDG (TAXIWAY DESIGN GROUP), THHN (THERMOPLASTIC HIGH HEAT-RESISTANT NYLON-COATED), THWN (THERMOPLASTIC HEAT & WATER-RESISTANT NYLON-COATED), TEMP (TEMPORARY), TESM (TAXIWAY EDGE SAFETY MARGIN), TH (THRESHOLD), TI (TAPER INTERSECTION), TL (TAXILANE), TODA (TAKEOFF DISTANCE AVAILABLE), TOFA (TAXIWAY AND TAXILANE OBJECT FREE AREA), TORA (TAKEOFF RUN AVAILABLE), TP (TAPER POINT), TSA (TAXIWAY/TAXILANE SAFETY AREA), TSR (TRANSPORTATION SECURITY REGULATION), TSS (THRESHOLD SITING SURFACE), TXY (TAXIWAY), TYP (TYPICAL), UAC (USE AS CONSTRUCTED), UF (UNDERGROUND FEEDER), UFC (UNIFIED FACILITIES CRITERIA), UHF (ULTRA-HIGH FREQUENCY), UL (UNDERWRITERS LABORATORIES), ULT (ULTIMATE), UNO (UNLESS NOTED OTHERWISE), USDA (UNITED STATES DEPARTMENT OF AGRICULTURE), USGS (U.S. GEOLOGICAL SURVEY), V (VISUAL), VGS (VISUAL GLIDE SLOPE INDICATOR), VHF (VERY HIGH FREQUENCY), VMR (HAROLD-DAVIDSON FIELD AIRPORT), W (WEST, OR WATER), WWF (WELDED WIRE FABRIC OR WELDED WIRE MESH), XFRM (TRANSFORMER), 50 (50' SPACING)

EXISTING LINETYPE LEGEND and PROPOSED LINETYPE LEGEND. Includes symbols for SCH 40, SCH 80, HIGH VOLTAGE (HV), LOW VOLTAGE (LV), DUCT BANK (SAND ENCASED), DEB COUNTERPOISE, REMOVE & SALVAGE EXIST CABLE, RUNWAY SAFETY AREA, RUNWAY OBJECT FREE AREA, TAXIWAY SAFETY AREA, TAXIWAY OBJECT FREE AREA.

INDEX OF SHEETS. E1 LEGEND, ABBREVIATIONS & SHEET INDEX*, E2 SHEET LAYOUT, E3 LIGHTING REMOVALS, E4 LIGHTING PLAN*, E5A SIGNAGE REMOVALS, E5B SIGNAGE PLAN*, E6 - E11 LIGHTING DETAILS. * COLOR PLAN SHEETS

EXISTING and PROPOSED LIGHTING LEGEND. Includes symbols for EDGE LIGHT, TXY BLUE, RETROREFLECTIVE MARKER, JUNCTION CAN, MANHOLE, CABLE MARKER, AIRFIELD SIGN, REMOVE & SALVAGE.



GENERAL NOTES

- 1. COORDINATE CONSTRUCTION ACTIVITIES WITH THE PLANS & THE CSPP.
2. COORDINATE VAULT ACTIVITIES WITH OWNER TO ENERGIZE/DE-ENERGIZE CIRCUITS.
3. COORDINATE UTILITY LOCATIONS & RELOCATIONS WITH LOCAL UTILITY COMPANIES.
4. CONTRACTOR SHALL LOCATE ALL UTILITIES INCLUDING AIRFIELD CIRCUITS. DAMAGE & REPAIR TO EXISTING UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

REMOVAL NOTES

- 1. EXISTING LIGHT CANS & LIGHTS SHALL BE USED AS CONSTRUCTED UNLESS NOTED OTHERWISE (UNO).
2. ALL WIRE, LIGHTS, SIGNS, TRANSFORMERS, & JUNCTION BOXES REMOVED SHALL BE SALVAGED TO OWNER. DISPOSE OF CONCRETE.

INSTALLATION NOTES

- 1. REFER TO AC 5340-30J, EB 92, EB 83A, & EB 67D FOR ADDITIONAL INSTALLATION INFORMATION REGARDING PAVEMENT TYPES, FIXTURE MOUNTING BASES, EQUIPMENT, MATERIALS, & INSTALLATION REQUIREMENTS.
2. FIELD VERIFY EXISTING CIRCUIT & CONDUIT LOCATIONS & EXISTING STRUCTURES.
3. LOW VOLTAGE CONDUITS SHALL NOT BE INSTALLED IN HIGH VOLTAGE MHS, CANS, JUNCTION BOXES, CONDUITS, ETC.
4. ALL SPLICES SHALL BE LOCATED IN A JUNCTION STRUCTURE, EXCEPT COUNTERPOISE. SPLICE LOCATIONS SHALL HAVE PRIOR APPROVAL BY THE ENGINEER.
5. ALL SPLICES & CONNECTIONS TO EQUIPMENT SHALL BE INCIDENTAL TO ITS CORRESPONDING EQUIPMENT/MATERIAL & SHALL BE EXOTHERMICALLY BONDED.

TESTING NOTES

- 1. ALL CIRCUITS SHALL BE TESTED PER L-108 & L-125 PRIOR TO ANY CONSTRUCTION ACTIVITY & AFTER INSTALLATION & RESULTS PROVIDED TO THE ENGINEER. ALL TESTING SHALL BE INCIDENTAL TO L-108, #8 5kV BID ITEM.
2. THE L-824 CABLE SHALL BE TESTED FOR INSULATION RESISTANCE (IR) WITH A MEGGER PRIOR TO CONNECTION TO EQUIPMENT.
(# TESTING LOCATION)



PARALLEL TAXIWAY RECONSTRUCTION
HAROLD-DAVIDSON FIELD
VERMILLION, SOUTH DAKOTA

LEGEND, ABBREVIATIONS & SHEET INDEX
DAF | 04/28/2025 | ADDENDUM NO. 2
REVISIONS



Project Manager: BDM
Designer: BGS
Project Number: 730303
Phone: (605) 339-4157





**EXISTING AIRFIELD UNLIGHTED SIGN
W/ CONCRETE SIGN PAD**

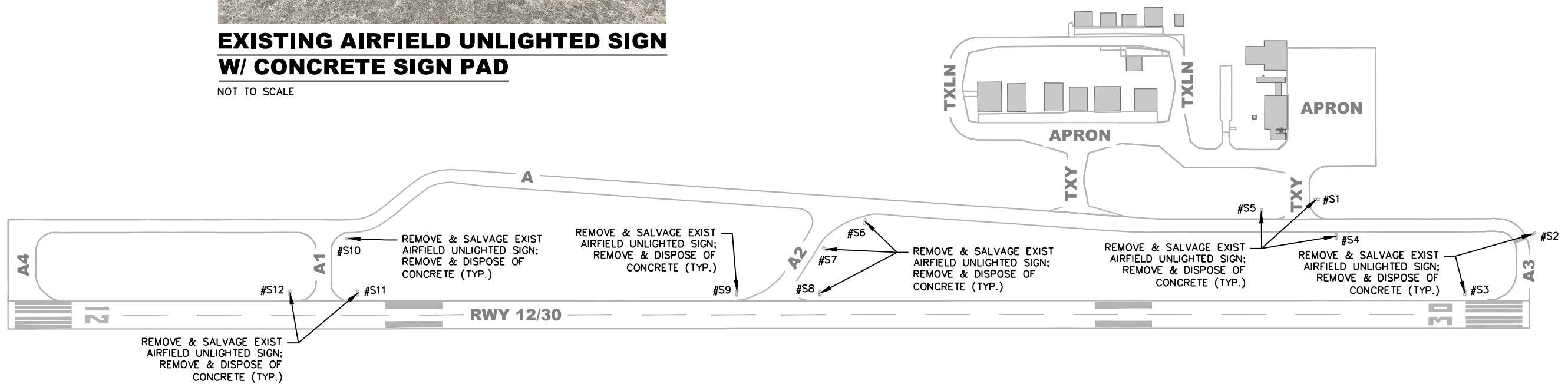
NOT TO SCALE

SIGN IMAGE NOTES

1. FOR REFERENCE ONLY. IMAGE DEPICTS A TYPICAL AIRFIELD UNLIGHTED SIGN WITH A CONCRETE SIGN PAD. LENGTH OF SIGN AND SIZE OF CONCRETE SIGN PAD VARY DEPENDANT ON SIGN LENGTH. EXISTING SIGNS ARE SIZE 1. REMOVE SIGNS INDICATED ON PLANS.



NOT TO SCALE



PARALLEL TAXIWAY RECONSTRUCTION
HAROLD-DAVIDSON FIELD
VERMILLION, SOUTH DAKOTA

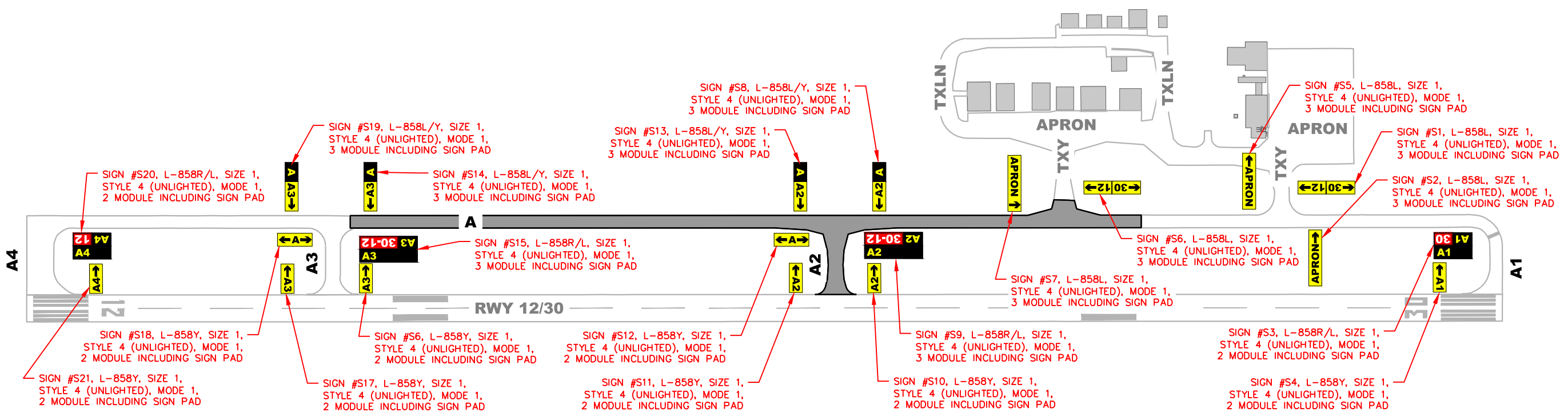
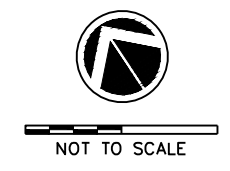
SIGNAGE REMOVALS
DAF 04/28/2025 ADDENDUM NO. 2
REVISIONS



Project Manager: BDM
Designer: BGS
Project Number: 730303
Phone: (605) 339-4157



Sheet
E5A



PARALLEL TAXIWAY RECONSTRUCTION
HAROLD-DAVIDSON FIELD
VERMILLION, SOUTH DAKOTA

SIGNAGE PLAN

DAF | 04/28/2025 | ADDENDUM NO. 2

REVISIONS



Project Manager: BDM
Designer: BGS
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Sheet
E5B