

10A

CONSTRUCTION PLANS FOR GALESBURG MUNICIPAL AIRPORT GALESBURG, KNOX COUNTY, ILLINOIS

REHABILITATE TAXIWAY B

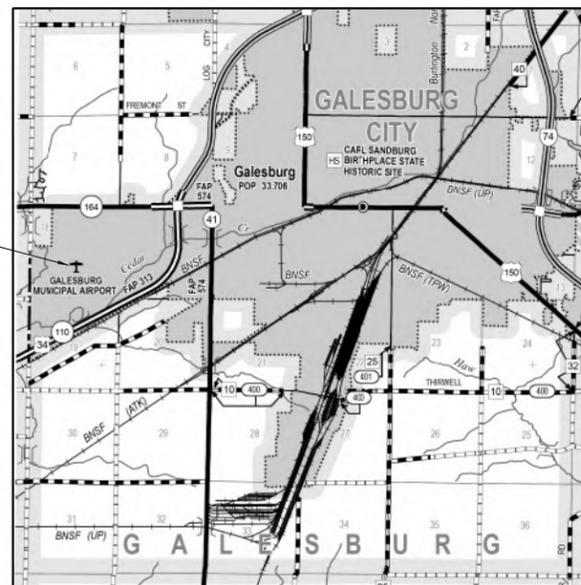
ILLINOIS PROJECT NO. GBG-4518
SBG PROJECT NO. 3-17-SBGP-144/156/162/171

LOCATION MAP

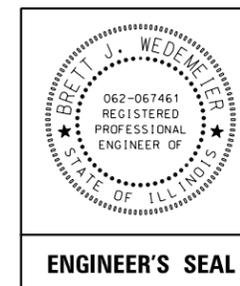


DECEMBER 10, 2021

GALESBURG
MUNICIPAL
AIRPORT



VICINITY MAP



CITY OF GALESBURG, ILLINOIS

APPROVED *Peter J. Schwab* MAYOR

DATE *12/14/21*

APPROVED *Velli Ben* CITY CLERK

DATE *12/14/21*

Hutchison Engineering, Inc.

SUBMITTED BY *Brett J. Weedeimer* ENGINEER

DATE SUBMITTED *12/3/21*

LICS. EXP. DATE *11/30/23*

GA011

FILENAME: GBG4518-sh1-cover.dgn
PLOT DATE: 12/9/2021
SCALE: 1:0000 / In.
USER: BWeedeimer

DRAWN	-	-
CHECKED	-	-
APPROVED	-	-

REVISIONS		
NO.	BY	DATE



Hutchison Engineering, Inc.
SINCE 1945
1801 West Lafayette
PO Box 820
Jacksonville, Illinois 62651
PHONE : (217)245-7164 FAX (217)243-0468

GALESBURG MUNICIPAL AIRPORT
GALESBURG, ILLINOIS
REHABILITATE TAXIWAY B

COVER SHEET

HEI PROJ. NO. 4431
ILL PROJ. NO. GBG-4518
SBG PROJ. NO.
3-17-SBGP-144/156/162/171

FINAL

1

SHEET 1 OF 13

GENERAL NOTES

1. OPEN PAVING JOINTS AND/OR CRACKS IN THE EXISTING SURFACE OF THE PAVEMENT OVER 3/8" IN WIDTH SHALL BE DESIGNATED BY THE PROJECT ENGINEER IN THE FIELD TO BE REPAIRED PRIOR TO PLACING THE BITUMINOUS SURFACE COURSE. THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIAL PROVISIONS FOR BITUMINOUS CRACK SEALING OR SURFACE COURSE CRACK REPAIR AT THE LOCATIONS SHOWN IN THESE PLANS.
2. THE AS BID QUANTITIES FOR CRACK SEALING HAVE BEEN ESTIMATED BY MEASURING CRACK SEALING IN SELECTED REPRESENTATIVE LOCATIONS ON THE PAVEMENT. THESE QUANTITIES MAY BE INCREASED OR REDUCED AT THE TIME OF CONSTRUCTION BASED UPON THE CRACK WORK THAT IS MARKED OUT BY THE RESIDENT ENGINEER AFTER FIELD INSPECTION OF THE PAVEMENT CRACKS.
3. ANY SOD WHICH HAS ENCRONCHED UPON THE PAVEMENT EDGE SHALL BE REMOVED PRIOR TO THE PROPOSED BITUMINOUS SURFACE COURSE APPLICATION. THE ENTIRE PAVEMENT SURFACE SHALL BE SWEEPED TO REMOVE ALL LOOSE MATERIALS BEFORE THE APPLICATION OF BITUMINOUS TACK COAT. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR BITUMINOUS TACK COAT.
4. A BITUMINOUS TACK COAT SHALL BE APPLIED TO THE EXISTING PAVEMENT PRIOR TO PLACING THE BITUMINOUS SURFACE COURSE. THE APPLICATION RATE SHOWN ON THE TYPICAL SECTION WAS USED TO CALCULATE THE PLAN QUANTITY. THE EXACT AMOUNT OF BITUMINOUS TACK COAT TO BE USED SHALL BE DETERMINED BY THE PROJECT ENGINEER AT THE TIME OF CONSTRUCTION.
5. THE BITUMINOUS SURFACE COURSE SHALL BE ABUTTED TO THE EXISTING PAVEMENT AT INTERSECTING PAVEMENTS AS SHOWN ON THE BITUMINOUS BUTT JOINT DETAIL. THE EXISTING PAVEMENT CONFINED WITHIN THE BITUMINOUS PAVEMENT MILLING AREA WILL BE REMOVED IN ACCORDANCE WITH THE DETAIL FROM 0 TO 1 1/2" DEPTH AT THE BUTT JOINT LOCATION. FILLING OF THE MILLED AREA WILL BE MADE USING BITUMINOUS SURFACE COURSE MIX AND WILL BE PAID FOR PER TON FOR BITUMINOUS SURFACE COURSE - METHOD I, SUPERPAVE.
6. AT LOCATIONS WHERE THE EDGE DROP FROM THE FINISHED SURFACE TO THE EXISTING TURF SHOULDER EXCEEDS 1 1/2", THE SHOULDER SHALL BE ADJUSTED AS SHOWN IN THE TYPICAL SECTION USING SOIL OBTAINED OFF SITE THAT IS FREE OF HEAVY SOD, DECAYED VEGETATIVE MATTER, RUBBISH, AGGREGATE AND OTHER UNSUITABLE MATERIAL. THE SHOULDER ADJUSTMENT AREAS SHALL BE FERTILIZED, SEEDED AND MULCHED AND THE COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR SHOULDER ADJUSTMENT.
7. ALL AREAS DISTURBED BY THE CONTRACTOR INCLUDING THE CONTRACTOR'S PARKING AREA, HAUL ROADS, ETC. SHALL BE REGRADED AND RESEEDED AND/OR RESTORED TO THEIR ORIGINAL CONDITION. THIS RESTORATION SHALL BE ACCOMPLISHED BY THE CONTRACTOR AT HIS OWN EXPENSE UPON COMPLETION OF THIS IMPROVEMENT PROJECT.

INDEX OF SHEETS	
NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, GENERAL NOTES, SUMMARY OF QUANTITIES
3-5	CONSTRUCTION SAFETY & PHASING PLAN
6	TAXIWAY TYPICAL SECTIONS
7-9	PAVEMENT LAYOUT AND ELEVATIONS
10-12	PAVEMENT MARKING LAYOUT
13	SPECIAL DETAILS

SUMMARY OF QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	AS BID QUANTITY	AS BUILT QUANTITY
AR150530	TRAFFIC MAINTENANCE	L SUM	1	
AR152480	SHOULDER ADJUSTMENT	SQ YD	4,556	
AR401614	BIT. SURF. CSE.-METHOD II, SUPERPAVE	TON	3,800	
AR401630	BITUMINOUS SURFACE TEST SECTION	EACH	1	
AR401655	BUTT JOINT CONSTRUCTION	SQ YD	1,351	
AR401661	BITUMINOUS CRACK SEALING	FOOT	16,433	
AR401662	SURFACE COURSE CRACK REPAIR	SQ YD	1,282	
AR603510	BITUMINOUS TACK COAT	GALLON	2,430	
AR620520	PAVEMENT MARKING - WATERBORNE	SQ FT	2,938	
AR620525	PAVEMENT MARKING - BLACK BORDER	SQ FT	1,247	

FILENAME: GBG4518-sh1-gennote.dgn
 PLOT DATE: 12/17/2021
 SCALE: 100.0000' / In.
 USER: B#edemeter

DRAWN	JCW	04/04/17
CHECKED	BMB	04/07/17
APPROVED	JMO	05/15/17

REVISIONS		
NO.	BY	DATE



Hutchison Engineering, Inc.
 SINCE 1945
 1801 West Lafayette
 PO Box 820
 Jacksonville, Illinois 62651
 PHONE : (217)245-7164 FAX (217)243-0468

GALESBURG MUNICIPAL AIRPORT
 GALESBURG, ILLINOIS
 REHABILITATE TAXIWAY B

**INDEX OF SHEETS, GENERAL NOTES,
 AND SUMMARY OF QUANTITIES**

HEI PROJ. NO. 4431
 ILL PROJ. NO. GBG-4518
 SBG PROJ. NO.
 3-17-SBGR-144/156/162/171

FINAL

2

SHEET 2 OF 13

DRAWN	-	-
CHECKED	-	-
APPROVED	-	-

REVISIONS		
NO.	BY	DATE



Hutchison Engineering, Inc.
 SINCE 1945
 1801 West Lafayette
 PO Box 820
 Jacksonsville, Illinois 62651
 PHONE : (217)245-7164 FAX (217)243-0468

**GALESBURG MUNICIPAL AIRPORT
 GALESBURG, ILLINOIS
 REHABILITATE TAXIWAY B
 CONSTRUCTION SAFETY &
 PHASING PLAN**

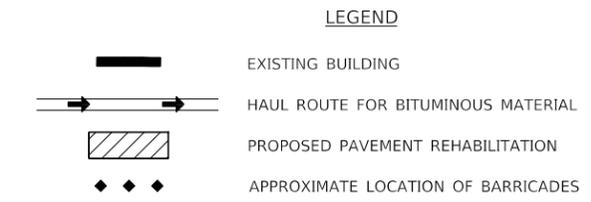
HEI PROJ. NO. 4431
 ILL PROJ. NO. GBG-4518
 SBG PROJ. NO.
 3-17-SBG-144/156/162/171

FINAL

3

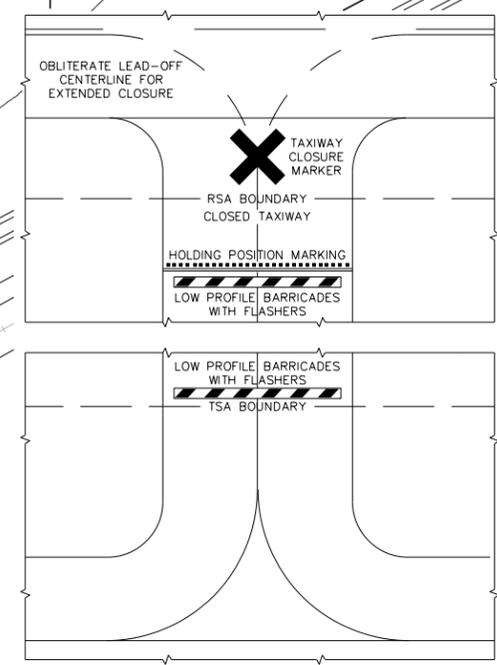
SHEET 3 OF 13

CRITICAL POINT (CP)	LATITUDE	LONGITUDE	GROUND ELEV. (MSL)	OBSTRUCTION HEIGHT	DESCRIPTION
1	N 40 56' 21.2"	W 90 26' 12.2"	757.1	15' (TEMP CONST)	TXY B & RWY 10-28 WEST INTERSECTION
2	N 40 56' 22.7"	W 90 26' 11.7"	756.3	15' (TEMP CONST)	TXY B & RWY 10-28 RSA BOUNDARY INTERSECTION
3	N 40 56' 16.6"	W 90 25' 57.8"	760.0	15' (TEMP CONST)	TXY A & RWY 10-28 RSA BOUNDARY INTERSECTION
4	N 40 56' 20.9"	W 90 25' 55.2"	761.1	15' (TEMP CONST)	TXY B & TXY A TSA WEST INTERSECTION
5	N 40 56' 20.8"	W 90 25' 54.5"	761.1	15' (TEMP CONST)	TXY B & TXY A TSA EAST INTERSECTION
6	N 40 56' 16.1"	W 90 25' 53.8"	760.5	15' (TEMP CONST)	RWY 3-21 & RWY 10-28 RSA BOUNDARY INTERSECTION
7	N 40 56' 19.6"	W 90 25' 51.4"	761.5	15' (TEMP CONST)	RWY 3-21 & RWY 10-28 RSA BOUNDARY INTERSECTION
8	N 40 56' 17.9"	W 90 25' 36.9"	755.2	15' (TEMP CONST)	TXY B & TXY G INTERSECTION
9	N 40 56' 16.0"	W 90 25' 26.5"	755.3	15' (TEMP CONST)	TXY B & RWY 10-28 RSA BOUNDARY INTERSECTION
10	N 40 56' 30.7"	W 90 25' 47.9"	760.0	15' (TEMP CONST)	TXY A & TXY D INTERSECTION
11	N 40 56' 31.5"	W 90 25' 51.6"	758.0	15' (TEMP CONST)	CONST. PARKING & STORAGE

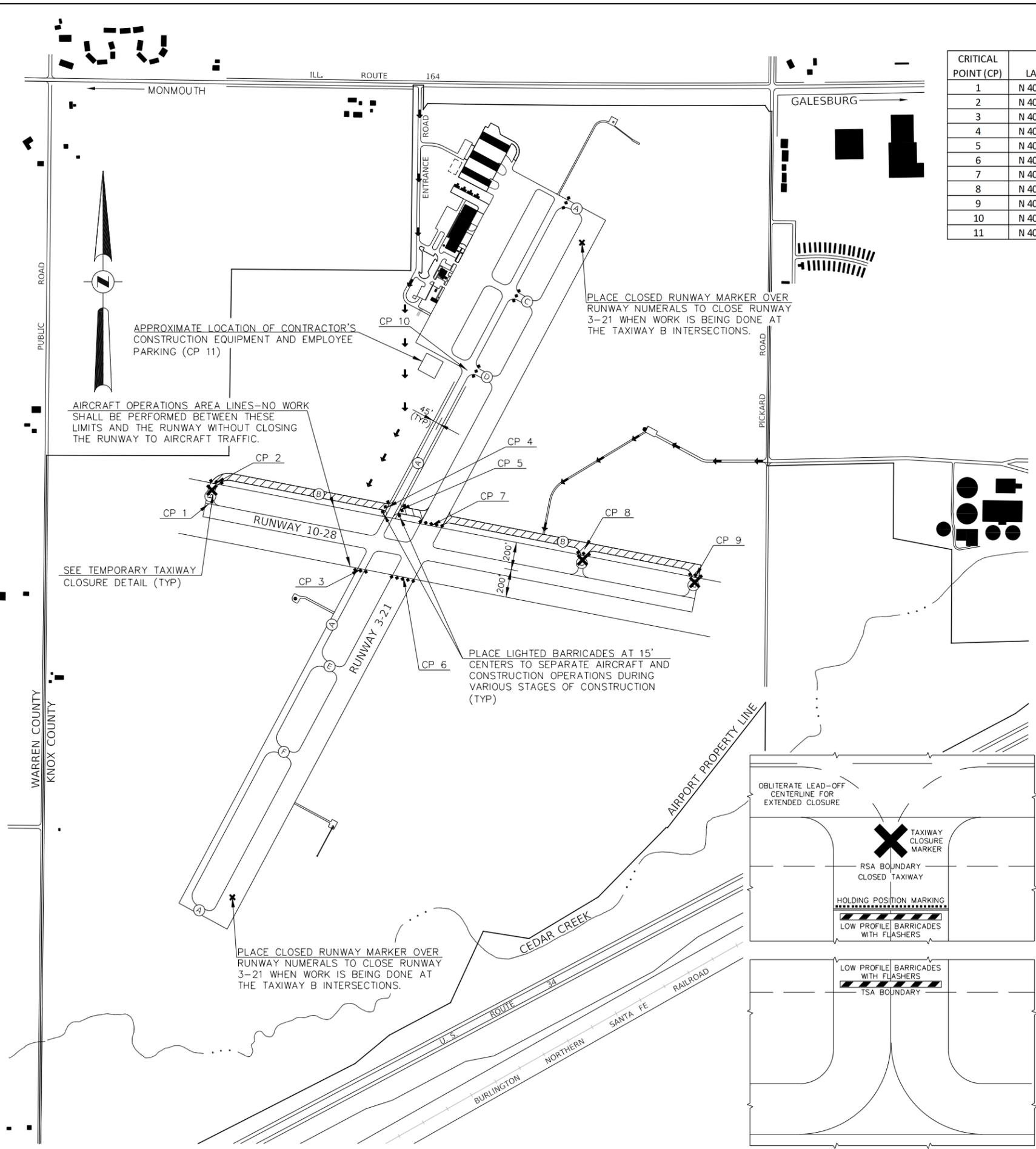


CONSTRUCTION PROCEDURE NOTES

- ALL CONTRACTOR EMPLOYEES WILL PARK THEIR PERSONAL VEHICLES IN THE AREA DESIGNATED IN THESE PLANS FOR USE AS A VEHICLE PARKING AREA. ONLY AUTHORIZED CONTRACTOR VEHICLES WILL BE ALLOWED ON THE AIR OPERATIONS AREA OF THE AIRPORT AND ON THE CONSTRUCTION SITE. ALL CONSTRUCTION EQUIPMENT SHALL BE PARKED IN THE EQUIPMENT PARKING AREA DURING NON-WORKING HOURS.
- FLAGS WILL BE REQUIRED ON ALL CONTRACTOR'S VEHICLES AND EQUIPMENT USED ON THE AIRPORT OPERATIONS AREA. THE FLAGS SHALL BE THREE (3) FOOT SQUARE CHECKERED FLAGS (INTERNATIONAL ORANGE AND WHITE) DISPLAYED IN FULL VIEW ABOVE THE VEHICLE.
- THE CONTRACTOR WILL USE THE DESIGNATED HAUL ROUTE AND EQUIPMENT STORAGE AREA SHOWN ON THIS SHEET. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE DESIGNATED HAUL ROUTE AND EQUIPMENT STORAGE AREA FOR THE DURATION OF THE PROJECT. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR WILL RESTORE THE HAUL ROUTE AND STORAGE/PARKING AREA TO THEIR ORIGINAL STATE/CONDITION. ANY DAMAGE TO EXISTING PAVEMENTS USED TO HAUL MATERIAL TO THE CONSTRUCTION SITE WILL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE TO THE SATISFACTION OF THE DIRECTOR OF THE CANTON PARK DISTRICT AND THE RESIDENT ENGINEER.
- ALL TEMPORARY CLOSURES WILL BE COORDINATED WITH THE AIRPORT MANAGER BY THE CONTRACTOR IN ADVANCE TO ALLOW TIME FOR THE AIRPORT MANAGER TO ISSUE THE REQUIRED NOTICE TO AIRMEN (NOTAM).
- A RUNWAY PAVEMENT WILL BE CLOSED TO AIR TRAFFIC WHEN CONSTRUCTION OPERATIONS ARE PERFORMED WITHIN 250 FEET OF THE RUNWAY CENTERLINE. IF A RUNWAY IS TO REMAIN CLOSED OVERNIGHT, THAT RUNWAY'S EDGE LIGHTING SYSTEM SHALL BE TEMPORARILY TAKEN OUT OF SERVICE WITH ALL APPROPRIATE NOTAMS ISSUED.
- NO OPEN HOLES OR TRENCHES WILL BE ALLOWED WITHIN 250 FEET OF ACTIVE RUNWAYS. LIGHTED BARRICADES WILL BE PLACED NEXT TO ANY OPEN EXCAVATION THAT IS ADJACENT TO A TAXIWAY OR APRON PAVEMENT BEING UTILIZED BY AIRCRAFT. BARRICADES WILL BE EQUIPPED WITH YELLOW FLASHING LIGHTS AND 20 INCH SQUARE RED FLAGS.
- THE CONTRACTOR SHALL FURNISH, MAINTAIN, AND REMOVE ALL BARRICADES REQUIRED TO DELINEATE THE WORK AREA AND KEEP AIRCRAFT FROM ENCROACHING INTO SAID WORK AREA.
- THE CONTRACTOR WILL BE REQUIRED TO BE IN TWO-WAY RADIO CONTACT (123.0 MHZ) WITH THE AIRPORT UNICOM. THIS WILL KEEP THE CONTRACTOR IN CONSTANT CONTACT WITH THE GALESBURG AIRPORT AND ENABLE THE AIRPORT TO IMMEDIATELY CONTACT THE CONTRACTOR IN CASE OF AN AERONAUTICAL EMERGENCY THAT WOULD REQUIRE ACTION BY THE CONTRACTOR AND/OR HIS PERSONNEL.
- THE CONTRACTOR WILL BE REQUIRED TO TAKE SPECIAL PRECAUTIONS WHEN WORKING IN THE FUEL PUMP ISLAND AREA SUCH AS PROVIDING STANDBY FIRE EXTINGUISHERS AND/OR ARRANGING FOR FIRE STATION ALERT OR STANDBY FIRE SAFETY VEHICLE, AS DETERMINED NECESSARY BY THE AIRPORT MANAGER.
- CONSTRUCTION ACTIVITY CONTROL AND AIRCRAFT OPERATION AREA PROTECTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH FAA ADVISORY CIRCULAR NO. 150/5370-2F.
- THE TALLEST CONSTRUCTION EQUIPMENT UTILIZED ON THE AIRPORT FOR THIS PROJECT IS ANTICIPATED TO BE 25'.
- THIS PROJECT CONSISTS OF WORK TO REHABILITATE TAXIWAY B.
- THIS PROJECT WILL DISTURB LESS THAN 1 ACRES OF LAND.
- THE EARTH SHOULDERS ADJACENT TO THE REHABILITATED PAVEMENTS WILL BE RECONSTRUCTED. THIS EARTH SHOULDER RECONSTRUCTION WILL RESULT IN NO SUBSTANTIAL DISTURBANCE REQUIRING EROSION CONTROL DURING THE CONSTRUCTION PERIOD.



TEMPORARY TAXIWAY CLOSURE DETAIL



APPROXIMATE LOCATION OF CONTRACTOR'S CONSTRUCTION EQUIPMENT AND EMPLOYEE PARKING (CP 11)

AIRCRAFT OPERATIONS AREA LINES—NO WORK SHALL BE PERFORMED BETWEEN THESE LIMITS AND THE RUNWAY WITHOUT CLOSING THE RUNWAY TO AIRCRAFT TRAFFIC.

SEE TEMPORARY TAXIWAY CLOSURE DETAIL (TYP)

PLACE CLOSED RUNWAY MARKER OVER RUNWAY NUMERALS TO CLOSE RUNWAY 3-21 WHEN WORK IS BEING DONE AT THE TAXIWAY B INTERSECTIONS.

PLACE LIGHTED BARRICADES AT 15' CENTERS TO SEPARATE AIRCRAFT AND CONSTRUCTION OPERATIONS DURING VARIOUS STAGES OF CONSTRUCTION (TYP)

PLACE CLOSED RUNWAY MARKER OVER RUNWAY NUMERALS TO CLOSE RUNWAY 3-21 WHEN WORK IS BEING DONE AT THE TAXIWAY B INTERSECTIONS.

DRAWN	-	-
CHECKED	-	-
APPROVED	-	-

REVISIONS		
NO.	BY	DATE



Hutchison Engineering, Inc.
 SINCE 1945
 1801 West Lafayette
 PO Box 820
 Jackson, Illinois 62651
 PHONE : (217)245-7164 FAX (217)243-0468

**GALESBURG MUNICIPAL AIRPORT
 GALESBURG, ILLINOIS
 REHABILITATE TAXIWAY B**

**CONSTRUCTION SAFETY &
 PHASING PLAN**

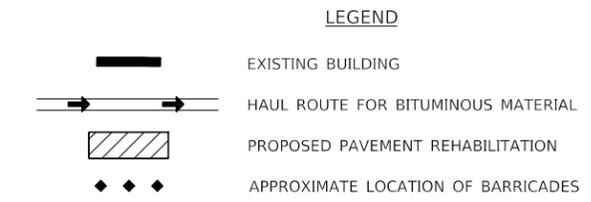
HEI PROJ. NO. 4431
 ILL PROJ. NO. GBG-4518
 SBG PROJ. NO.
 3-17-SBG-144/156/162/171

FINAL

4

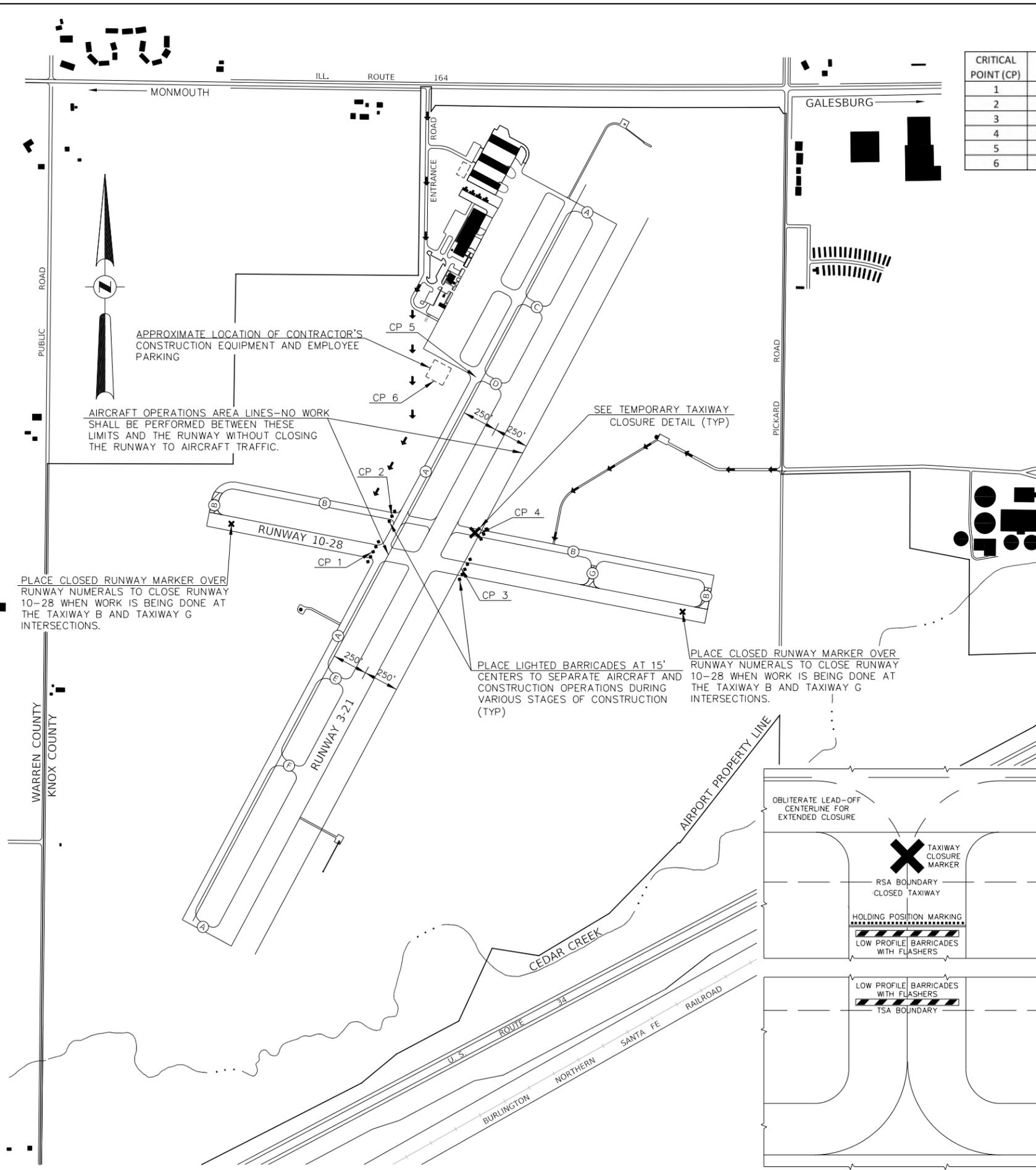
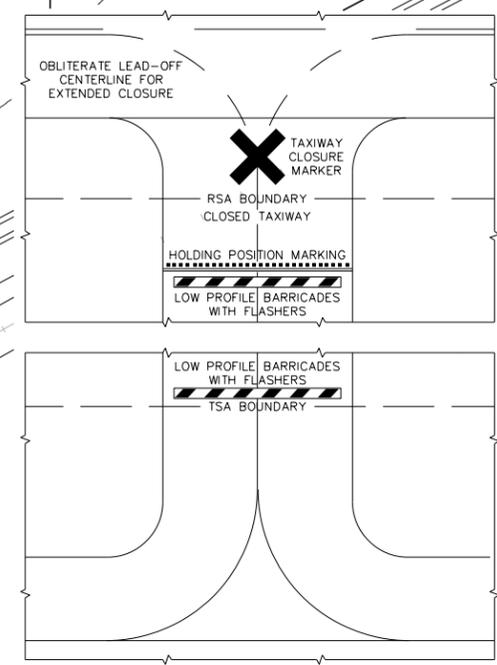
SHEET 4 OF 13

CRITICAL POINT (CP)	LATITUDE	LONGITUDE	GROUND ELEV. (MSL)	OBSTRUCTION HEIGHT	DESCRIPTION
1	N 40 56' 18.6"	W 90 25' 57.7"	763.0	15' (TEMP CONST)	RWY 10-28 & TXY A TSA BOUNDARY INTERSECTION
2	N 40 56' 21.0"	W 90 25' 55.6"	760.6	15' (TEMP CONST)	TXY B & TXY A WEST INTERSECTION
3	N 40 56' 17.3"	W 90 25' 49.2"	763.5	15' (TEMP CONST)	RWY 10-28 & RWY 3-21 RSA BOUNDARY INTERSECTION
4	N 40 56' 19.8"	W 90 25' 47.6"	759.6	15' (TEMP CONST)	TXY B & RWY 3-21 RSA BOUNDARY INTERSECTION
5	N 40 56' 30.7"	W 90 25' 47.9"	760.0	15' (TEMP CONST)	TXY A & TXY D INTERSECTION
6	N 40 56' 31.5"	W 90 25' 51.6"	758.0	15' (TEMP CONST)	CONST. PARKING & STORAGE



CONSTRUCTION PROCEDURE NOTES

- ALL CONTRACTOR EMPLOYEES WILL PARK THEIR PERSONAL VEHICLES IN THE AREA DESIGNATED IN THESE PLANS FOR USE AS A VEHICLE PARKING AREA. ONLY AUTHORIZED CONTRACTOR VEHICLES WILL BE ALLOWED ON THE AIR OPERATIONS AREA OF THE AIRPORT AND ON THE CONSTRUCTION SITE. ALL CONSTRUCTION EQUIPMENT SHALL BE PARKED IN THE EQUIPMENT PARKING AREA DURING NON-WORKING HOURS.
- FLAGS WILL BE REQUIRED ON ALL CONTRACTOR'S VEHICLES AND EQUIPMENT USED ON THE AIRPORT OPERATIONS AREA. THE FLAGS SHALL BE THREE (3) FOOT SQUARE CHECKERED FLAGS (INTERNATIONAL ORANGE AND WHITE) DISPLAYED IN FULL VIEW ABOVE THE VEHICLE.
- THE CONTRACTOR WILL USE THE DESIGNATED HAUL ROUTE AND EQUIPMENT STORAGE AREA SHOWN ON THIS SHEET. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE DESIGNATED HAUL ROUTE AND EQUIPMENT STORAGE AREA FOR THE DURATION OF THE PROJECT. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR WILL RESTORE THE HAUL ROUTE AND STORAGE/PARKING AREA TO THEIR ORIGINAL STATE/CONDITION. ANY DAMAGE TO EXISTING PAVEMENTS USED TO HAUL MATERIAL TO THE CONSTRUCTION SITE WILL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE TO THE SATISFACTION OF THE DIRECTOR OF THE CANTON PARK DISTRICT AND THE RESIDENT ENGINEER.
- ALL TEMPORARY CLOSURES WILL BE COORDINATED WITH THE AIRPORT MANAGER BY THE CONTRACTOR IN ADVANCE TO ALLOW TIME FOR THE AIRPORT MANAGER TO ISSUE THE REQUIRED NOTICE TO AIRMEN (NOTAM).
- A RUNWAY PAVEMENT WILL BE CLOSED TO AIR TRAFFIC WHEN CONSTRUCTION OPERATIONS ARE PERFORMED WITHIN 250 FEET OF THE RUNWAY CENTERLINE. IF A RUNWAY IS TO REMAIN CLOSED OVERNIGHT, THAT RUNWAY'S EDGE LIGHTING SYSTEM SHALL BE TEMPORARILY TAKEN OUT OF SERVICE WITH ALL APPROPRIATE NOTAMS ISSUED.
- NO OPEN HOLES OR TRENCHES WILL BE ALLOWED WITHIN 250 FEET OF ACTIVE RUNWAYS. LIGHTED BARRICADES WILL BE PLACED NEXT TO ANY OPEN EXCAVATION THAT IS ADJACENT TO A TAXIWAY OR APRON PAVEMENT BEING UTILIZED BY AIRCRAFT. BARRICADES WILL BE EQUIPPED WITH YELLOW FLASHING LIGHTS AND 20 INCH SQUARE RED FLAGS.
- THE CONTRACTOR SHALL FURNISH, MAINTAIN, AND REMOVE ALL BARRICADES REQUIRED TO DELINEATE THE WORK AREA AND KEEP AIRCRAFT FROM ENCROACHING INTO SAID WORK AREA.
- THE CONTRACTOR WILL BE REQUIRED TO BE IN TWO-WAY RADIO CONTACT (123.0 MHZ) WITH THE AIRPORT UNICOM. THIS WILL KEEP THE CONTRACTOR IN CONSTANT CONTACT WITH THE GALESBURG AIRPORT AND ENABLE THE AIRPORT TO IMMEDIATELY CONTACT THE CONTRACTOR IN CASE OF AN AERONAUTICAL EMERGENCY THAT WOULD REQUIRE ACTION BY THE CONTRACTOR AND/OR HIS PERSONNEL.
- THE CONTRACTOR WILL BE REQUIRED TO TAKE SPECIAL PRECAUTIONS WHEN WORKING IN THE FUEL PUMP ISLAND AREA SUCH AS PROVIDING STANDBY FIRE EXTINGUISHERS AND/OR ARRANGING FOR FIRE STATION ALERT OR STANDBY FIRE SAFETY VEHICLE, AS DETERMINED NECESSARY BY THE AIRPORT MANAGER.
- CONSTRUCTION ACTIVITY CONTROL AND AIRCRAFT OPERATION AREA PROTECTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH FAA ADVISORY CIRCULAR NO. 150/5370-2F.
- THE TALLEST CONSTRUCTION EQUIPMENT UTILIZED ON THE AIRPORT FOR THIS PROJECT IS ANTICIPATED TO BE 25'.
- THIS PROJECT CONSISTS OF WORK TO REHABILITATE TAXIWAY B.
- THIS PROJECT WILL DISTURB LESS THAN 1 ACRES OF LAND.
- THE EARTH SHOULDERS ADJACENT TO THE REHABILITATED PAVEMENTS WILL BE RECONSTRUCTED. THIS EARTH SHOULDER RECONSTRUCTION WILL RESULT IN NO SUBSTANTIAL DISTURBANCE REQUIRING EROSION CONTROL DURING THE CONSTRUCTION PERIOD.



APPROXIMATE LOCATION OF CONTRACTOR'S CONSTRUCTION EQUIPMENT AND EMPLOYEE PARKING

AIRCRAFT OPERATIONS AREA LINES—NO WORK SHALL BE PERFORMED BETWEEN THESE LIMITS AND THE RUNWAY WITHOUT CLOSING THE RUNWAY TO AIRCRAFT TRAFFIC.

PLACE CLOSED RUNWAY MARKER OVER RUNWAY NUMERALS TO CLOSE RUNWAY 10-28 WHEN WORK IS BEING DONE AT THE TAXIWAY B AND TAXIWAY G INTERSECTIONS.

PLACE LIGHTED BARRICADES AT 15' CENTERS TO SEPARATE AIRCRAFT AND CONSTRUCTION OPERATIONS DURING VARIOUS STAGES OF CONSTRUCTION (TYP)

PLACE CLOSED RUNWAY MARKER OVER RUNWAY NUMERALS TO CLOSE RUNWAY 10-28 WHEN WORK IS BEING DONE AT THE TAXIWAY B AND TAXIWAY G INTERSECTIONS.

SEE TEMPORARY TAXIWAY CLOSURE DETAIL (TYP)

TEMPORARY TAXIWAY CLOSURE DETAIL

DRAWN	-	-
CHECKED	-	-
APPROVED	-	-

REVISIONS		
NO.	BY	DATE



Hutchison Engineering, Inc.
 SINCE 1945
 1801 West Lafayette
 PO Box 820
 Jacksonvile, Illinois 62651
 PHONE : (217)245-7164 FAX (217)243-0468

**GALESBURG MUNICIPAL AIRPORT
 GALESBURG, ILLINOIS
 REHABILITATE TAXIWAY B**

**CONSTRUCTION SAFETY &
 PHASING PLAN**

HEI PROJ. NO. 4431
 ILL PROJ. NO. GBG-4518
 SBG PROJ. NO.
 3-17-SBGP-144/156/162/171

FINAL

5

SHEET 5 OF 13

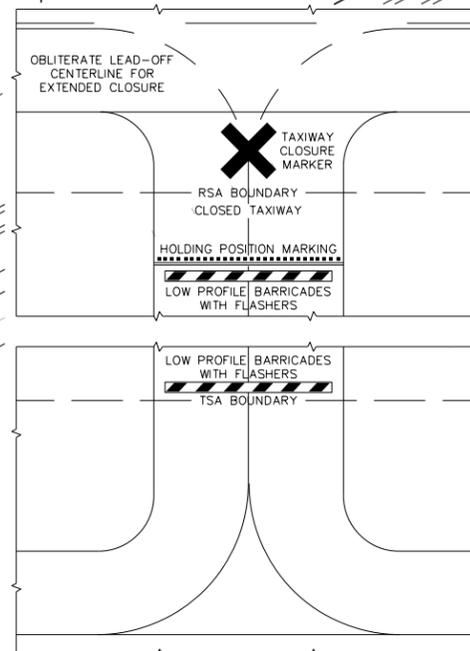
CRITICAL POINT (CP)	LATITUDE	LONGITUDE	GROUND ELEV. (MSL)	OBSTRUCTION HEIGHT	DESCRIPTION
1	N 40 56' 20.9"	W 90 25' 55.2"	761.1	15' (TEMP CONST)	TX Y B & TX Y A TSA WEST INTERSECTION
2	N 40 56' 20.8"	W 90 25' 54.5"	761.1	15' (TEMP CONST)	TX Y B & TX Y A TSA EAST INTERSECTION
3	N 40 56' 20.2"	W 90 25' 55.3"	761.0	15' (TEMP CONST)	TX Y A & RWY 10-28 RSA BOUNDARY INTERSECTION
4	N 40 56' 30.7"	W 90 25' 47.9"	760.0	15' (TEMP CONST)	TX Y A & TX Y D INTERSECTION
5	N 40 56' 31.5"	W 90 25' 51.6"	758.0	15' (TEMP CONST)	CONST. PARKING & STORAGE

LEGEND

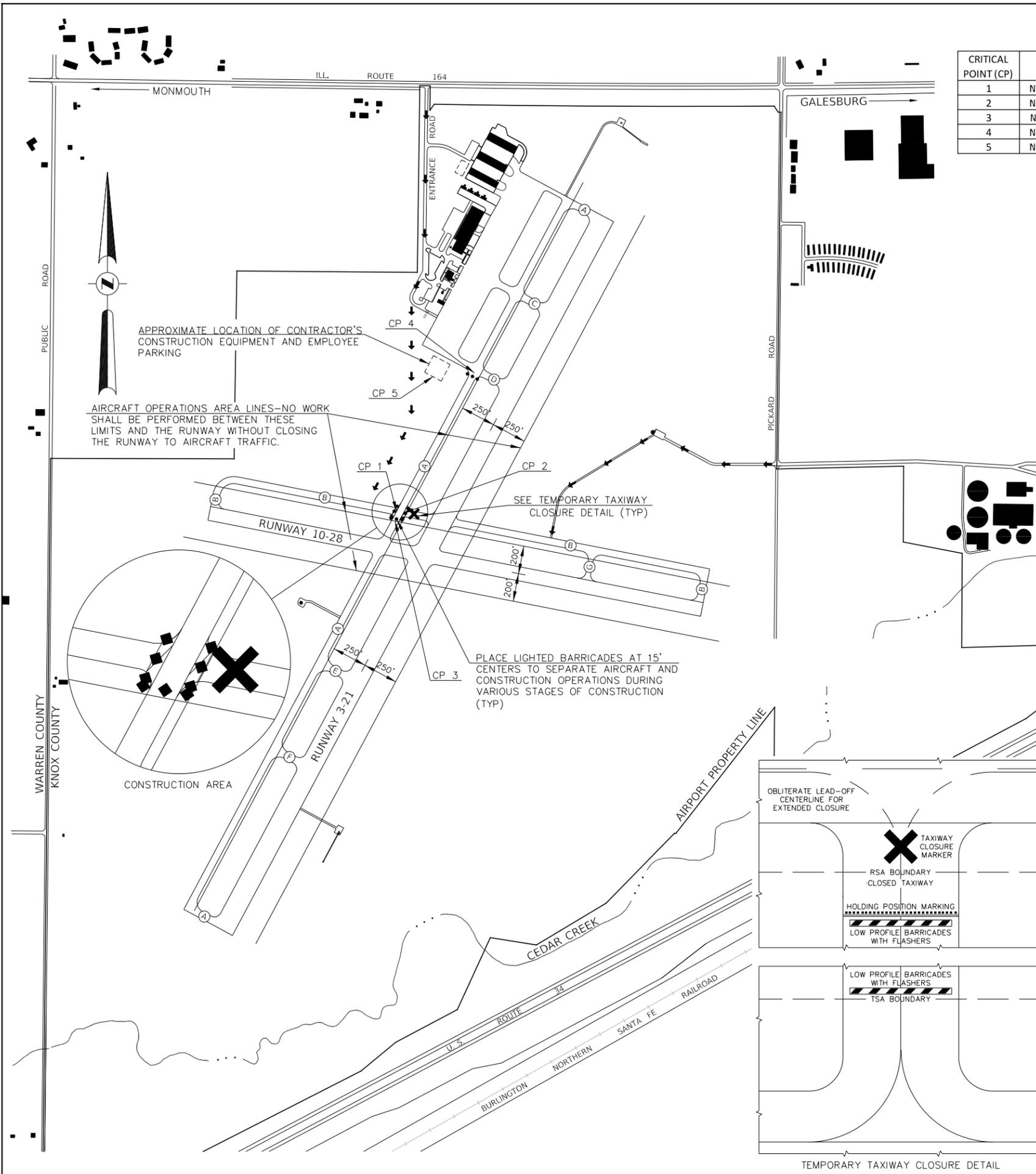
- EXISTING BUILDING
- HAUL ROUTE FOR BITUMINOUS MATERIAL
- PROPOSED PAVEMENT REHABILITATION
- APPROXIMATE LOCATION OF BARRICADES

CONSTRUCTION PROCEDURE NOTES

- ALL CONTRACTOR EMPLOYEES WILL PARK THEIR PERSONAL VEHICLES IN THE AREA DESIGNATED IN THESE PLANS FOR USE AS A VEHICLE PARKING AREA. ONLY AUTHORIZED CONTRACTOR VEHICLES WILL BE ALLOWED ON THE AIR OPERATIONS AREA OF THE AIRPORT AND ON THE CONSTRUCTION SITE. ALL CONSTRUCTION EQUIPMENT SHALL BE PARKED IN THE EQUIPMENT PARKING AREA DURING NON-WORKING HOURS.
- FLAGS WILL BE REQUIRED ON ALL CONTRACTOR'S VEHICLES AND EQUIPMENT USED ON THE AIRPORT OPERATIONS AREA. THE FLAGS SHALL BE THREE (3) FOOT SQUARE CHECKERED FLAGS (INTERNATIONAL ORANGE AND WHITE) DISPLAYED IN FULL VIEW ABOVE THE VEHICLE.
- THE CONTRACTOR WILL USE THE DESIGNATED HAUL ROUTE AND EQUIPMENT STORAGE AREA SHOWN ON THIS SHEET. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE DESIGNATED HAUL ROUTE AND EQUIPMENT STORAGE AREA FOR THE DURATION OF THE PROJECT. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR WILL RESTORE THE HAUL ROUTE AND STORAGE/PARKING AREA TO THEIR ORIGINAL STATE/CONDITION. ANY DAMAGE TO EXISTING PAVEMENTS USED TO HAUL MATERIAL TO THE CONSTRUCTION SITE WILL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE TO THE SATISFACTION OF THE DIRECTOR OF THE CANTON PARK DISTRICT AND THE RESIDENT ENGINEER.
- ALL TEMPORARY CLOSURES WILL BE COORDINATED WITH THE AIRPORT MANAGER BY THE CONTRACTOR IN ADVANCE TO ALLOW TIME FOR THE AIRPORT MANAGER TO ISSUE THE REQUIRED NOTICE TO AIRMEN (NOTAM).
- A RUNWAY PAVEMENT WILL BE CLOSED TO AIR TRAFFIC WHEN CONSTRUCTION OPERATIONS ARE PERFORMED WITHIN 250 FEET OF THE RUNWAY CENTERLINE. IF A RUNWAY IS TO REMAIN CLOSED OVERNIGHT, THAT RUNWAY'S EDGE LIGHTING SYSTEM SHALL BE TEMPORARILY TAKEN OUT OF SERVICE WITH ALL APPROPRIATE NOTAMS ISSUED.
- NO OPEN HOLES OR TRENCHES WILL BE ALLOWED WITHIN 250 FEET OF ACTIVE RUNWAYS. LIGHTED BARRICADES WILL BE PLACED NEXT TO ANY OPEN EXCAVATION THAT IS ADJACENT TO A TAXIWAY OR APRON PAVEMENT BEING UTILIZED BY AIRCRAFT. BARRICADES WILL BE EQUIPPED WITH YELLOW FLASHING LIGHTS AND 20 INCH SQUARE RED FLAGS.
- THE CONTRACTOR SHALL FURNISH, MAINTAIN, AND REMOVE ALL BARRICADES REQUIRED TO DELINEATE THE WORK AREA AND KEEP AIRCRAFT FROM ENCRDACHING INTO SAID WORK AREA.
- THE CONTRACTOR WILL BE REQUIRED TO BE IN TWO-WAY RADIO CONTACT (123.0 MHZ) WITH THE AIRPORT UNICOM. THIS WILL KEEP THE CONTRACTOR IN CONSTANT CONTACT WITH THE GALESBURG AIRPORT AND ENABLE THE AIRPORT TO IMMEDIATELY CONTACT THE CONTRACTOR IN CASE OF AN AERONAUTICAL EMERGENCY THAT WOULD REQUIRE ACTION BY THE CONTRACTOR AND/OR HIS PERSONNEL.
- THE CONTRACTOR WILL BE REQUIRED TO TAKE SPECIAL PRECAUTIONS WHEN WORKING IN THE FUEL PUMP ISLAND AREA SUCH AS PROVIDING STANDBY FIRE EXTINGUISHERS AND/OR ARRANGING FOR FIRE STATION ALERT OR STANDBY FIRE SAFETY VEHICLE, AS DETERMINED NECESSARY BY THE AIRPORT MANAGER.
- CONSTRUCTION ACTIVITY CONTROL AND AIRCRAFT OPERATION AREA PROTECTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH FAA ADVISORY CIRCULAR NO. 150/5370-2F.
- THE TALLEST CONSTRUCTION EQUIPMENT UTILIZED ON THE AIRPORT FOR THIS PROJECT IS ANTICIPATED TO BE 25'.
- THIS PROJECT CONSISTS OF WORK TO REHABILITATE TAXIWAY B.
- THIS PROJECT WILL DISTURB LESS THAN 1 ACRES OF LAND.
- THE EARTH SHOULDERS ADJACENT TO THE REHABILITATED PAVEMENTS WILL BE RECONSTRUCTED. THIS EARTH SHOULDER RECONSTRUCTION WILL RESULT IN NO SUBSTANTIAL DISTURBANCE REQUIRING EROSION CONTROL DURING THE CONSTRUCTION PERIOD.



TEMPORARY TAXIWAY CLOSURE DETAIL



APPROXIMATE LOCATION OF CONTRACTOR'S CONSTRUCTION EQUIPMENT AND EMPLOYEE PARKING

AIRCRAFT OPERATIONS AREA LINES—NO WORK SHALL BE PERFORMED BETWEEN THESE LIMITS AND THE RUNWAY WITHOUT CLOSING THE RUNWAY TO AIRCRAFT TRAFFIC.

SEE TEMPORARY TAXIWAY CLOSURE DETAIL (TYP)

PLACE LIGHTED BARRICADES AT 15' CENTERS TO SEPARATE AIRCRAFT AND CONSTRUCTION OPERATIONS DURING VARIOUS STAGES OF CONSTRUCTION (TYP)

OBLITERATE LEAD-OFF CENTERLINE FOR EXTENDED CLOSURE

TAXIWAY CLOSURE MARKER

RSA BOUNDARY CLOSED TAXIWAY

HOLDING POSITION MARKING

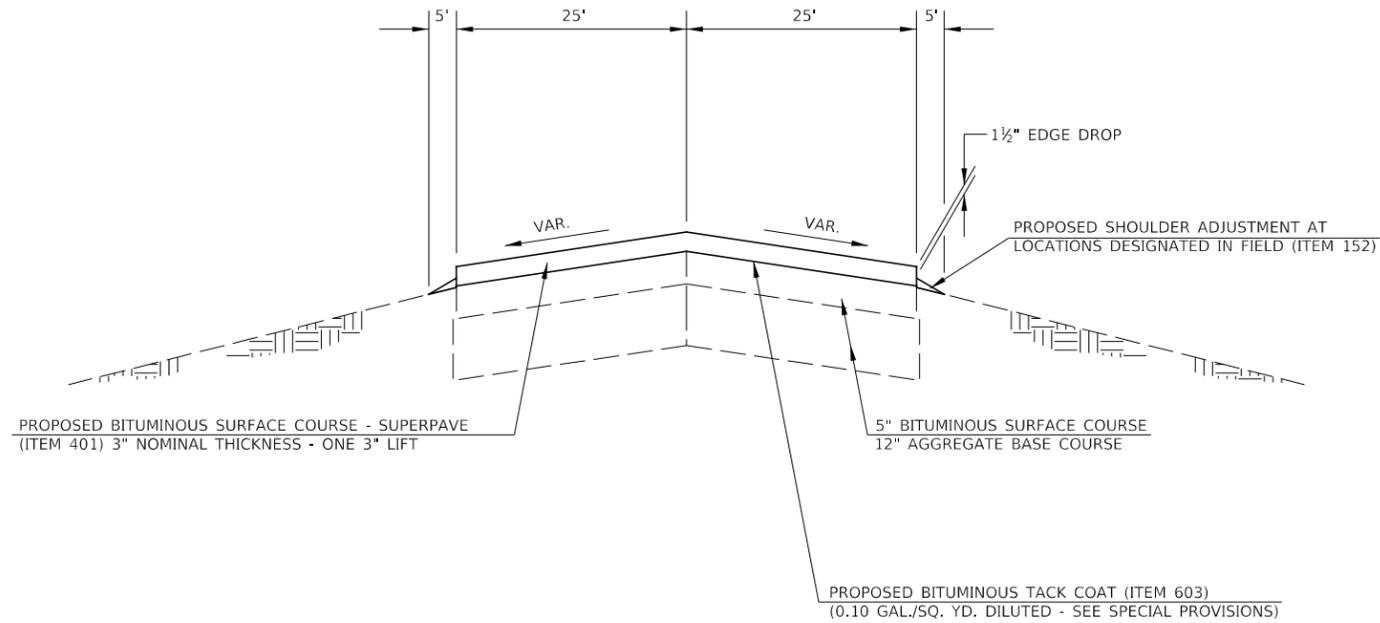
LOW PROFILE BARRICADES WITH FLASHERS

LOW PROFILE BARRICADES WITH FLASHERS

TSA BOUNDARY

GENERAL NOTES

1. OPEN PAVING JOINTS AND/OR CRACKS IN THE EXISTING SURFACE OF THE PAVEMENT TO BE RESURFACED SHALL BE DESIGNATED BY THE PROJECT ENGINEER IN THE FIELD TO BE REPAIRED PRIOR TO PLACING THE BITUMINOUS SURFACE COURSE. THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIAL PROVISIONS FOR CRACK REPAIR.
2. SELECTED CRACKS IN THE PAVEMENT THAT ARE UNDER 3/4 INCHES IN WIDTH AND ALL CRACKS IN THE PAVEMENT OVER 3/4 INCHES IN WIDTH THAT ARE FILLED SHALL ALSO HAVE A REFLECTIVE CRACK CONTROL TREATMENT APPLIED OVER THESE CRACKS AT THE LOCATIONS DESIGNATED BY THE PROJECT ENGINEER IN THE FIELD. THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIAL PROVISIONS FOR THE REFLECTIVE CRACK CONTROL.
3. THE QUANTITIES FOR CRACK REPAIR HAVE BEEN ESTIMATED BY MEASURING CRACK REPAIR IN SELECTED REPRESENTATIVE LOCATIONS ON THE PAVEMENT. THESE QUANTITIES MAY BE INCREASED OR REDUCED AT THE TIME OF CONSTRUCTION BASED UPON THE CRACK WORK THAT IS MARKED OUT BY THE RESIDENT ENGINEER AFTER FIELD INSPECTION OF THE PAVEMENT CRACKS.
4. THE EXISTING EDGE LIGHTS ALONG TAXIWAY B AND G SHALL BE ADJUSTED TO CONFORM WITH THE PROPOSED DIRT GRADE THAT WILL RESULT FROM CONSTRUCTING THE PROPOSED EARTH FILLET EMBANKMENT ADJACENT TO THE PAVEMENT. THIS WORK SHALL BE PERFORMED AND PAID FOR IN ACCORDANCE WITH THE SPECIAL PROVISIONS FOR ITEM 125-ADJUST STAKE AND BASE MOUNTED LIGHTS.
5. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCK OUT THE EDGE LIGHTING CIRCUIT WHILE PERFORMING WORK ON OR NEAR THE SAID CIRCUIT. THE CIRCUIT SHALL BE LOCKED OUT TO INSURE THAT THE CIRCUIT CANNOT BE ENERGIZED MANUALLY OR BY THE RADIO CONTROL SYSTEM WHILE WORK IS BEING DONE.
6. ALL AREAS DISTURBED UNDER THIS CONSTRUCTION PROJECT WITHIN THE GRADING LIMITS FOR THE PROPOSED EARTH FILLETS ADJACENT TO THE PAVEMENT SHALL BE LIMED, FERTILIZED, SEEDED AND MULCHED. THESE AREAS SHALL CONSTITUTE THE AREA DESIGNATED FOR PAYMENT.
7. ALL OTHER AREAS DISTURBED BY THE CONTRACTOR INCLUDING THE BORROW AREA, CONTRACTOR'S PARKING AREA, HAUL ROAD, ETC. SHALL BE REGRADED AND RESEEDED AND/OR RESTORED TO THEIR ORIGINAL CONDITION. THIS RESTORATION SHALL BE ACCOMPLISHED BY THE CONTRACTOR AT HIS OWN EXPENSE UPON COMPLETION OF THE IMPROVEMENTS.



TAXIWAY TYPICAL SECTION

FILENAME: GBG4518-sh1-1typical.dgn

PLOT DATE: 12/17/2021

SCALE: 100,0000' / In.

USER: BWeemeler

DRAWN	-	-
CHECKED	-	-
APPROVED	-	-

REVISIONS		
NO.	BY	DATE



Hutchison Engineering, Inc.
 SINCE 1945
 1801 West Lafayette
 PO Box 820
 Jacksonvillle, Illinois 62651
 PHONE : (217)245-7164 FAX (217)243-0468

**GALESBURG MUNICIPAL AIRPORT
 GALESBURG, ILLINOIS
 REHABILITATE TAXIWAY B**

TAXIWAY TYPICAL SECTIONS

4431
 ILL PROJ. NO. GBG-4518
 SBG PROJ. NO.
 3-17-SBGR-144/156/162/171

FINAL

6

SHEET 6 OF 13

DRAWN	-	-
CHECKED	-	-
APPROVED	-	-

REVISIONS		
NO.	BY	DATE

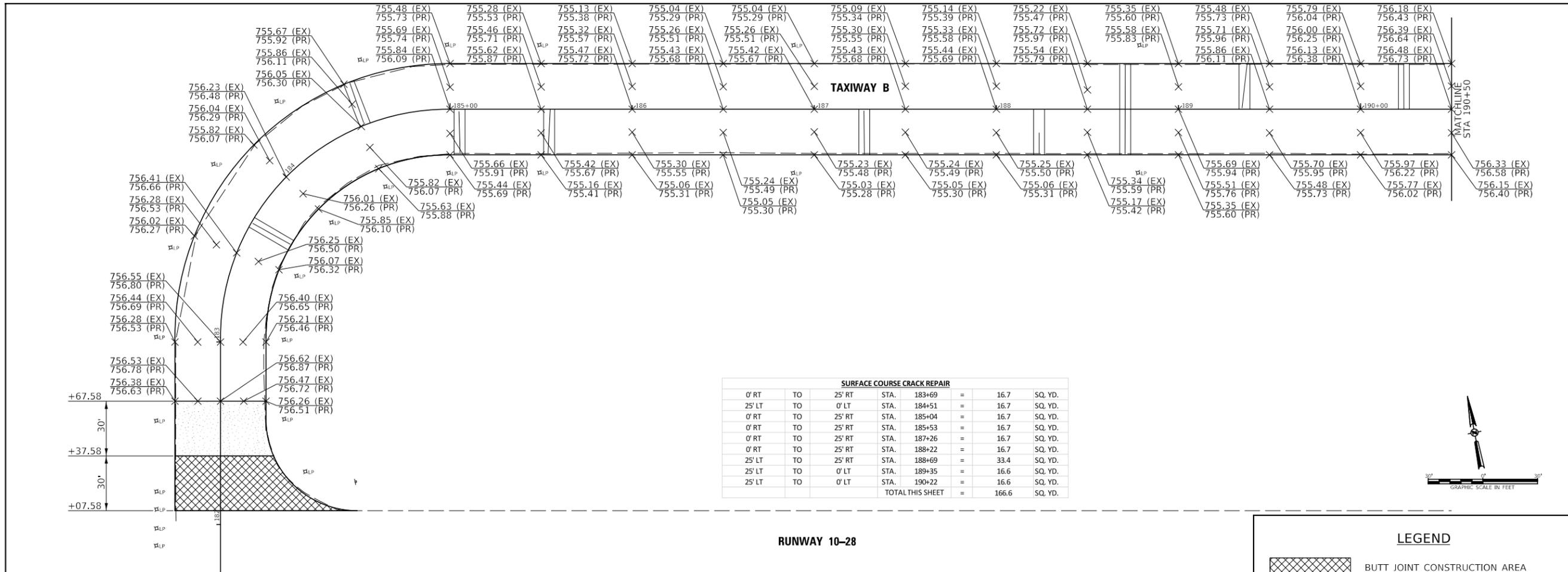


Hutchison Engineering, Inc.
 SINCE 1945
 1801 West Lafayette
 PO Box 820
 Jacksonvillle, Illinois 62651
 PHONE : (217)245-7164 FAX (217)243-0468

**GALESBURG MUNICIPAL AIRPORT
 GALESBURG, ILLINOIS
 REHABILITATE TAXIWAY B**

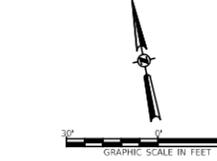
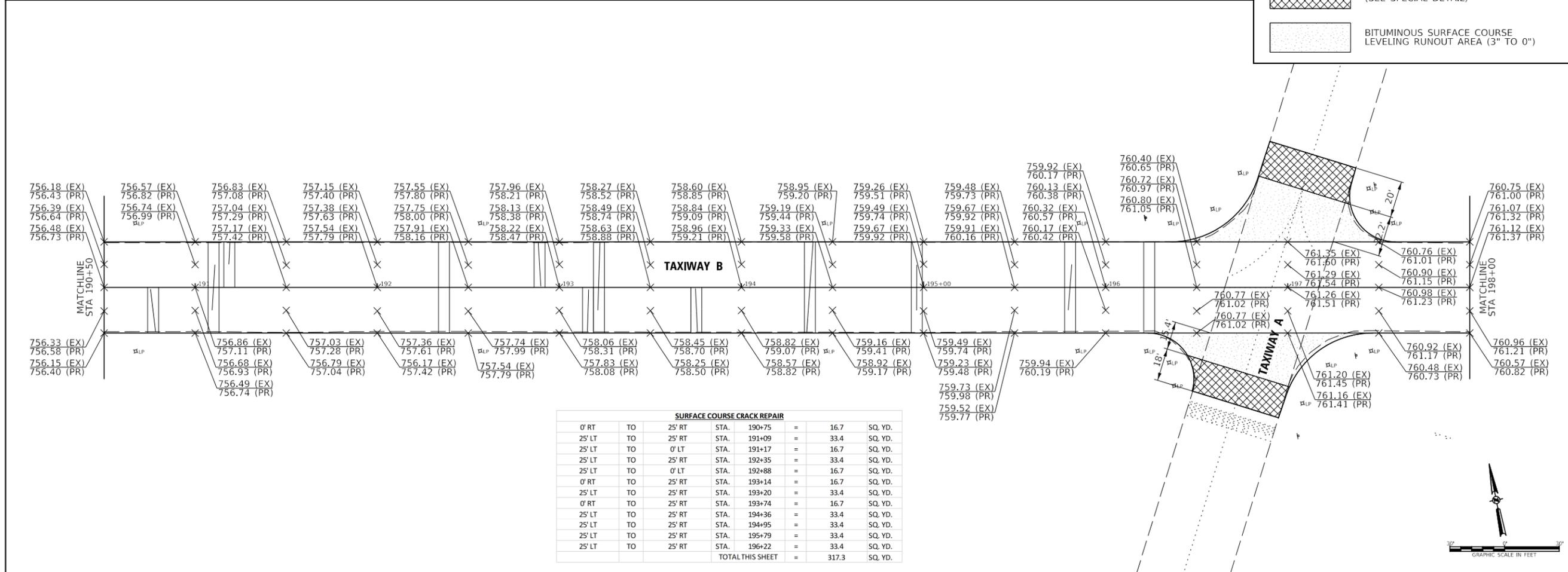
HEI PROJ. NO. 4431
 ILL PROJ. NO. GBG-4518
 SBG PROJ. NO.
 3-17-SBG-144/156/162/171

FINAL
7
 SHEET 7 OF 13



LEGEND

	BUTT JOINT CONSTRUCTION AREA (SEE SPECIAL DETAIL)
	BITUMINOUS SURFACE COURSE LEVELING RUNOUT AREA (3" TO 0")



DRAWN	JCW	04/04/17
CHECKED	BMB	04/07/17
APPROVED	JMO	05/15/17

REVISIONS		
NO.	BY	DATE



Hutchison Engineering, Inc.
 SINCE 1945
 1801 West Lafayette
 PO Box 820
 Jacksonvillle, Illinois 62651
 PHONE : (217)245-7164 FAX (217)243-0468

**GALESBURG MUNICIPAL AIRPORT
 GALESBURG, ILLINOIS
 REHABILITATE TAXIWAY B**

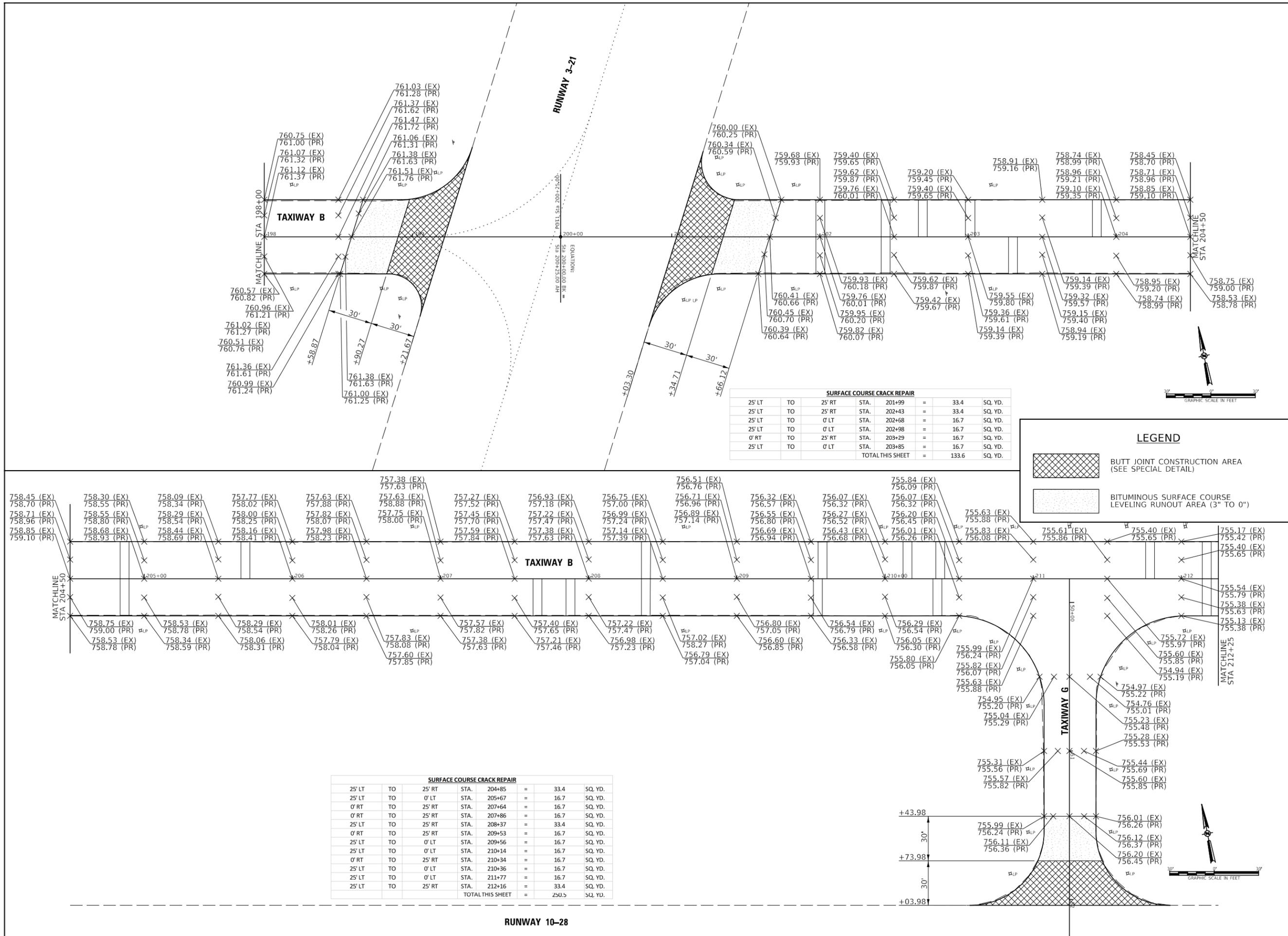
PAVEMENT LAYOUT & ELEVATIONS

HEI PROJ. NO. 4431
 ILL PROJ. NO. GBG-4518
 SBG PROJ. NO.
 3-17-SBG2-144/156/162/171

FINAL

8

SHEET 8 OF 13



SURFACE COURSE CRACK REPAIR

25' LT	TO	25' RT	STA.	201+99	=	33.4	SQ. YD.	
25' LT	TO	25' RT	STA.	202+43	=	33.4	SQ. YD.	
25' LT	TO	0' LT	STA.	202+68	=	16.7	SQ. YD.	
25' LT	TO	0' LT	STA.	202+98	=	16.7	SQ. YD.	
0' RT	TO	25' RT	STA.	203+29	=	16.7	SQ. YD.	
25' LT	TO	0' LT	STA.	203+85	=	16.7	SQ. YD.	
TOTAL THIS SHEET						=	133.6	SQ. YD.

LEGEND

- BUTT JOINT CONSTRUCTION AREA (SEE SPECIAL DETAIL)
- BITUMINOUS SURFACE COURSE LEVELING RUNOUT AREA (3" TO 0")

SURFACE COURSE CRACK REPAIR

25' LT	TO	25' RT	STA.	204+85	=	33.4	SQ. YD.	
25' LT	TO	0' LT	STA.	205+67	=	16.7	SQ. YD.	
0' RT	TO	25' RT	STA.	207+64	=	16.7	SQ. YD.	
0' RT	TO	25' RT	STA.	207+86	=	16.7	SQ. YD.	
25' LT	TO	25' RT	STA.	208+37	=	33.4	SQ. YD.	
0' RT	TO	25' RT	STA.	209+53	=	16.7	SQ. YD.	
25' LT	TO	0' LT	STA.	209+56	=	16.7	SQ. YD.	
25' LT	TO	0' LT	STA.	210+14	=	16.7	SQ. YD.	
0' RT	TO	25' RT	STA.	210+34	=	16.7	SQ. YD.	
25' LT	TO	0' LT	STA.	210+36	=	16.7	SQ. YD.	
25' LT	TO	0' LT	STA.	211+77	=	16.7	SQ. YD.	
25' LT	TO	25' RT	STA.	212+16	=	33.4	SQ. YD.	
TOTAL THIS SHEET						=	250.5	SQ. YD.

RUNWAY 10-28

DRAWN	JCW	04/04/17
CHECKED	BMB	04/07/17
APPROVED	JMO	05/15/17

REVISIONS		
NO.	BY	DATE

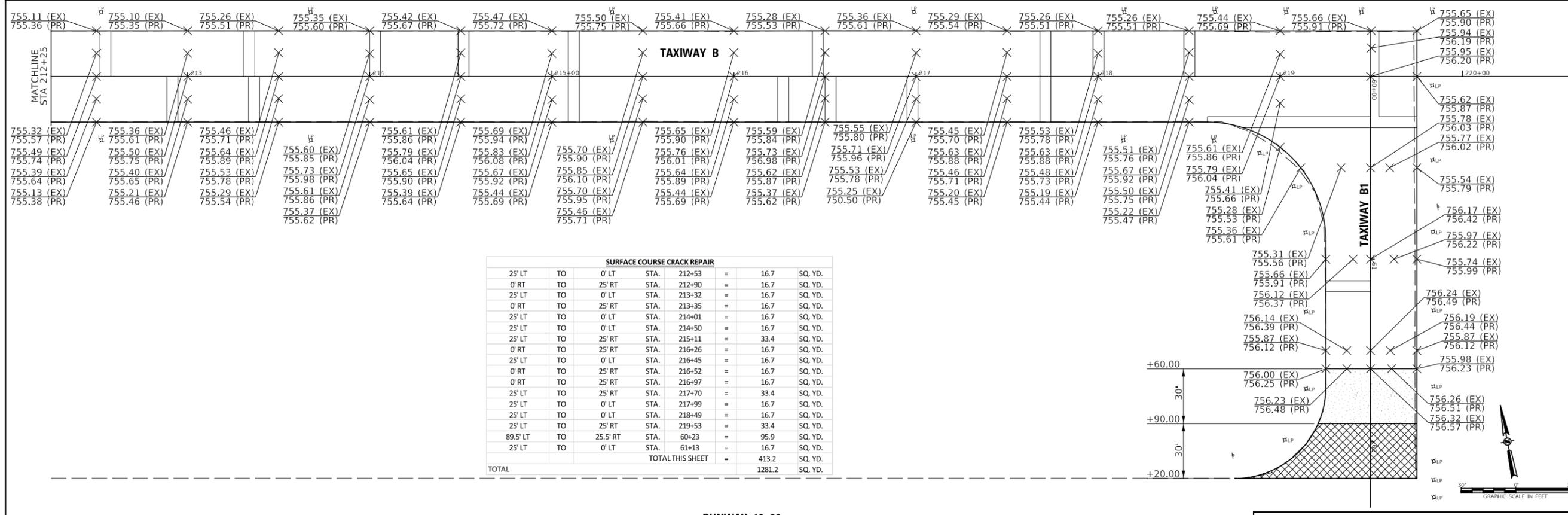


Hutchison Engineering, Inc.
 SINCE 1945
 1801 West Lafayette
 PO Box 820
 Jacksonvillle, Illinois 62651
 PHONE : (217)245-7164 FAX (217)243-0468

**GALESBURG MUNICIPAL AIRPORT
 GALESBURG, ILLINOIS
 REHABILITATE TAXIWAY B**

HEI PROJ. NO. 4431
 ILL PROJ. NO. GBG-4518
 SBG PROJ. NO.
 3-17-SBG-144/156/162/171

FINAL
9
 SHEET 9 OF 13



SURFACE COURSE CRACK REPAIR						
25' LT	TO	0' LT	STA.	212+53	=	16.7 SQ. YD.
0' RT	TO	25' RT	STA.	212+90	=	16.7 SQ. YD.
25' LT	TO	0' LT	STA.	213+32	=	16.7 SQ. YD.
0' RT	TO	25' RT	STA.	213+35	=	16.7 SQ. YD.
25' LT	TO	0' LT	STA.	214+01	=	16.7 SQ. YD.
25' LT	TO	0' LT	STA.	214+50	=	16.7 SQ. YD.
25' LT	TO	25' RT	STA.	215+11	=	33.4 SQ. YD.
0' RT	TO	25' RT	STA.	216+26	=	16.7 SQ. YD.
25' LT	TO	0' LT	STA.	216+45	=	16.7 SQ. YD.
0' RT	TO	25' RT	STA.	216+52	=	16.7 SQ. YD.
0' RT	TO	25' RT	STA.	216+97	=	16.7 SQ. YD.
25' LT	TO	25' RT	STA.	217+70	=	33.4 SQ. YD.
25' LT	TO	0' LT	STA.	217+99	=	16.7 SQ. YD.
25' LT	TO	0' LT	STA.	218+49	=	16.7 SQ. YD.
25' LT	TO	25' RT	STA.	219+53	=	33.4 SQ. YD.
89.5' LT	TO	25.5' RT	STA.	60+23	=	95.9 SQ. YD.
25' LT	TO	0' LT	STA.	61+13	=	16.7 SQ. YD.
TOTAL				TOTAL THIS SHEET	=	413.2 SQ. YD.
TOTAL					=	1281.2 SQ. YD.

RUNWAY 10-28

LEGEND

- BUTT JOINT CONSTRUCTION AREA (SEE SPECIAL DETAIL)
- BITUMINOUS SURFACE COURSE LEVELING RUNOUT AREA (3" TO 0")

DRAWN	JCW	04/04/17
CHECKED	BMB	04/07/17
APPROVED	JMO	05/15/17

REVISIONS		
NO.	BY	DATE



Hutchison Engineering, Inc.
 SINCE 1945
 1801 West Lafayette
 PO Box 820
 Jacksonvillle, Illinois 62651
 PHONE : (217)245-7164 FAX (217)243-0468

**GALESBURG MUNICIPAL AIRPORT
 GALESBURG, ILLINOIS
 REHABILITATE TAXIWAY B**

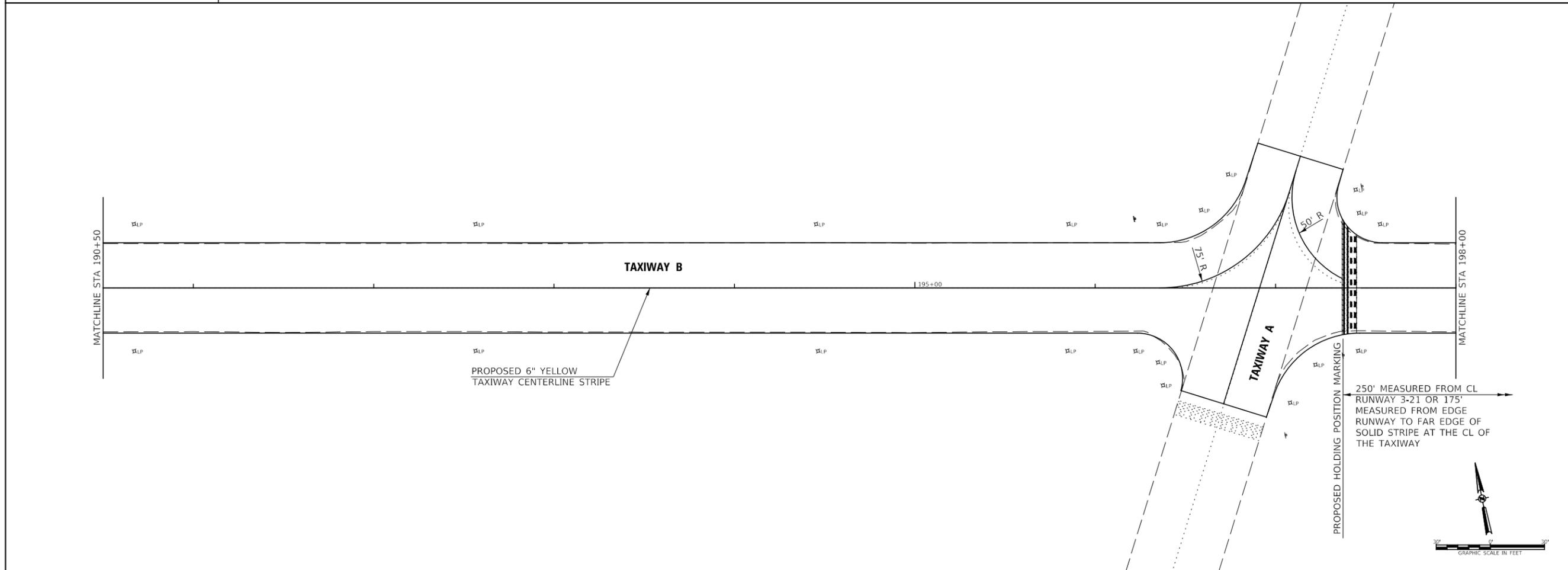
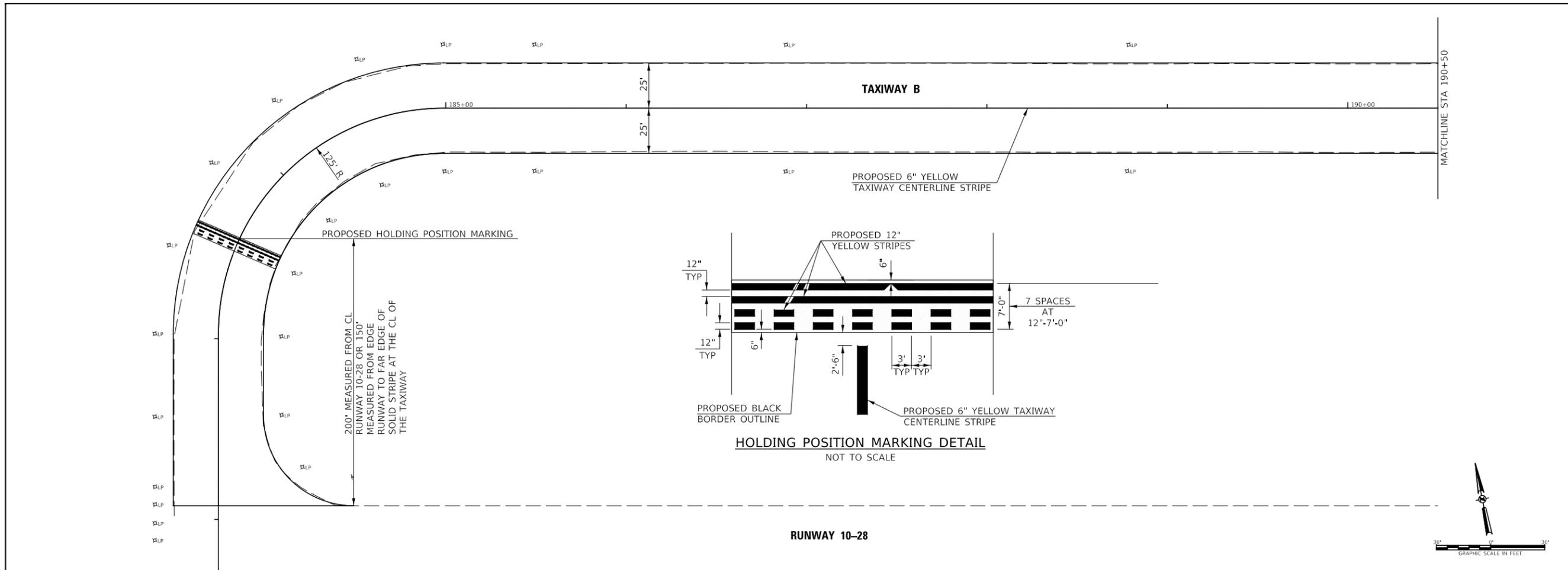
PAVEMENT MARKING LAYOUT

HEI PROJ. NO. 4431
 ILL PROJ. NO. GBG-4518
 SBG PROJ. NO.
 3-17-SBGR-144/156/162/171

FINAL

10

SHEET 10 OF 13



DRAWN	-	-
CHECKED	-	-
APPROVED	-	-

REVISIONS		
NO.	BY	DATE



Hutchison Engineering, Inc.
 SINCE 1945
 1801 West Lafayette
 PO Box 820
 Jacksonvill, Illinois 62651
 PHONE : (217)245-7164 FAX (217)243-0468

**GALESBURG MUNICIPAL AIRPORT
 GALESBURG, ILLINOIS
 REHABILITATE TAXIWAY B**

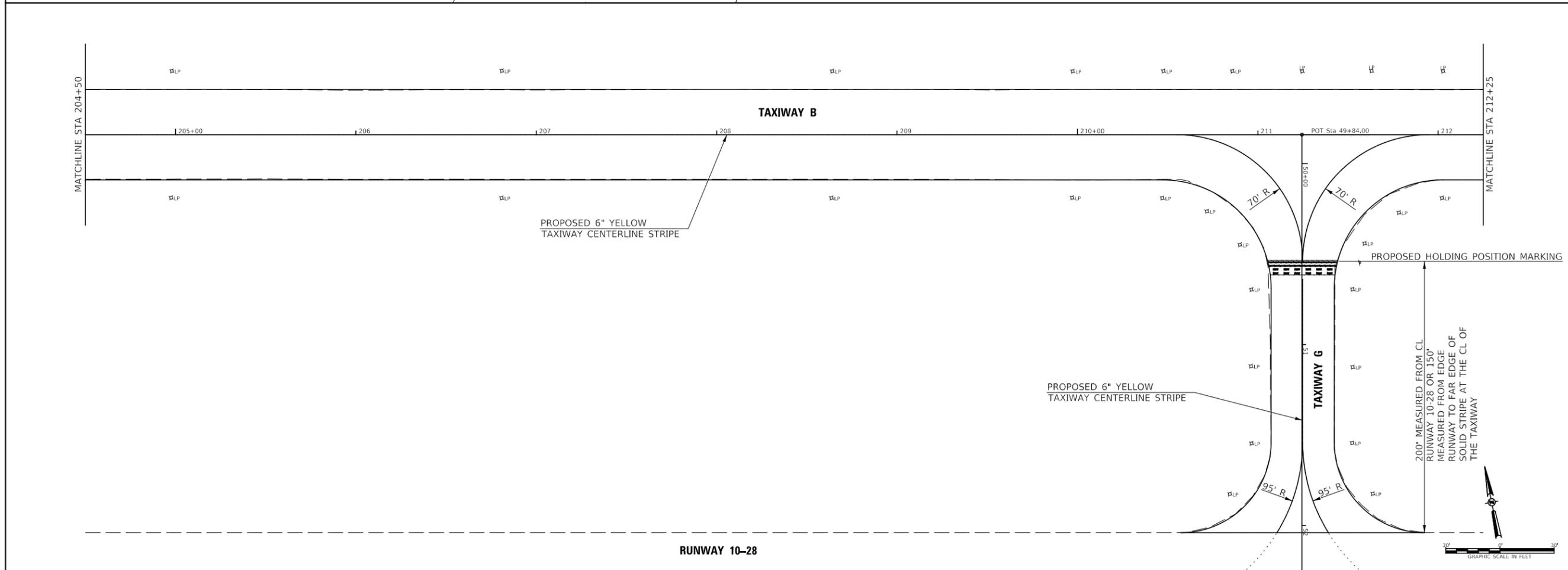
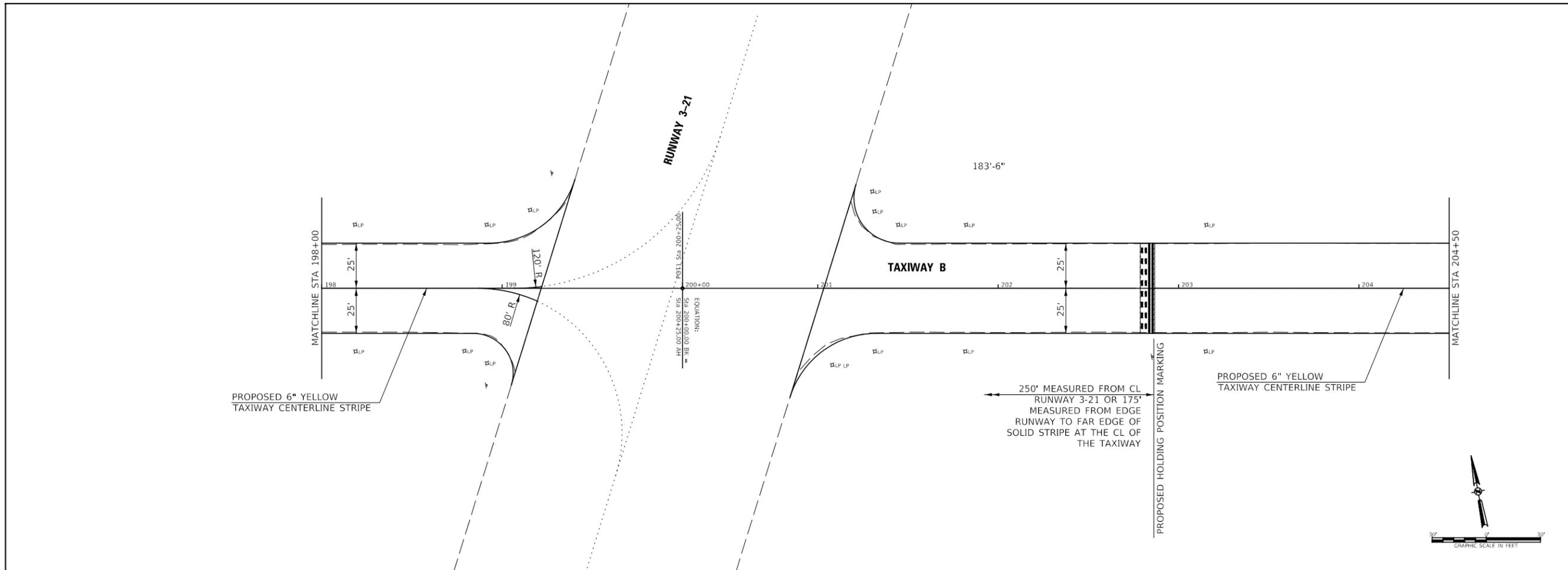
PAVEMENT MARKING LAYOUT

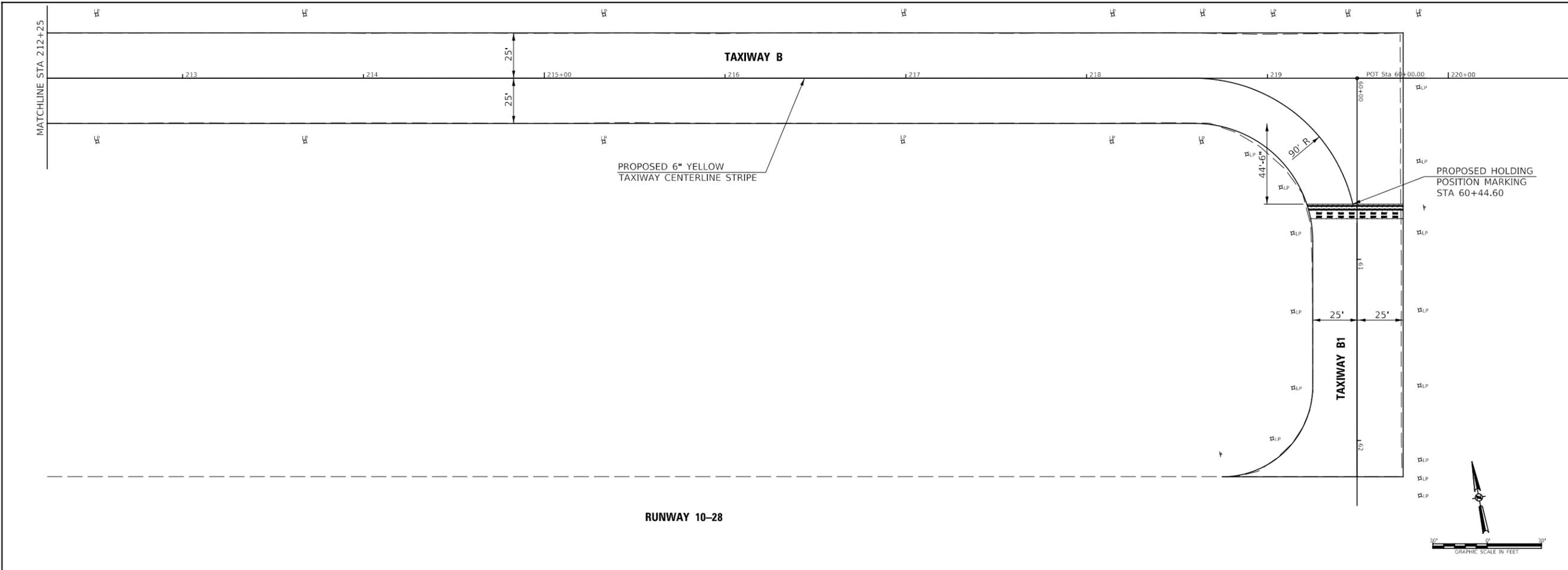
HEI PROJ. NO. 4431
 ILL PROJ. NO. GBG-4518
 SBG PROJ. NO.
 3-17-SBGR-144/156/162/171

FINAL

11

SHEET 11 OF 13





FILENAME: GBG4518-sh1-pmk3.dgn
 PLOT DATE: 12/9/2021
 SCALE: 60,0000' / in.
 USER: BWeedmeter

DRAWN	JCW	04/04/17
CHECKED	BMB	04/07/17
APPROVED	JMO	05/15/17

REVISIONS		
NO.	BY	DATE



Hutchison Engineering, Inc.
 SINCE 1945
 1801 West Lafayette
 PO Box 820
 Jacksonvillle, Illinois 62651
 PHONE : (217)245-7164 FAX (217)243-0468

**GALESBURG MUNICIPAL AIRPORT
 GALESBURG, ILLINOIS
 REHABILITATE TAXIWAY B**

PAVEMENT MARKING LAYOUT

HEI PROJ. NO. 4431
 ILL PROJ. NO. GBG-4518
 SBG PROJ. NO.
 3-17-SBGR-144/156/162/171

FINAL

12

SHEET 12 OF 13

DRAWN	JCW	04/04/17
CHECKED	BMB	04/07/17
APPROVED	JMO	05/15/17

REVISIONS		
NO.	BY	DATE



Hutchison Engineering, Inc.
 SINCE 1945
 1801 West Lafayette
 PO Box 820
 Jacksonvillle, Illinois 62651
 PHONE : (217)245-7164 FAX (217)243-0468

**GALESBURG MUNICIPAL AIRPORT
 GALESBURG, ILLINOIS
 REHABILITATE TAXIWAY B**

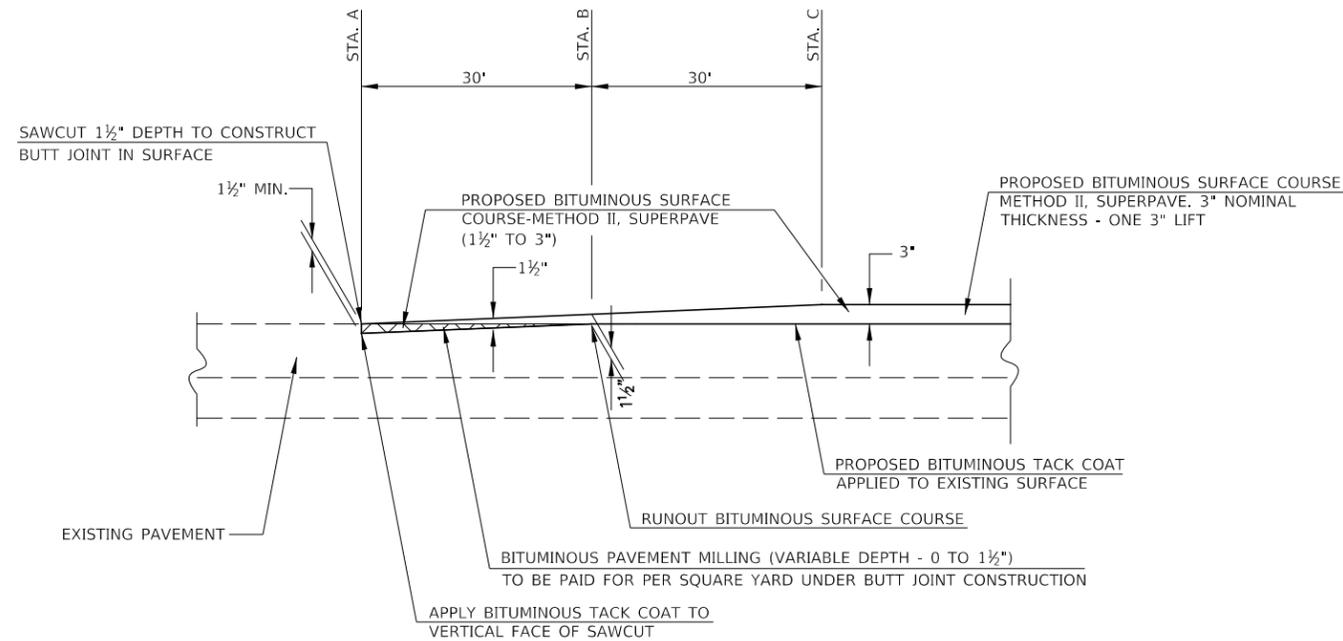
SPECIAL DETAILS

HEI PROJ. NO. 4431
 ILL PROJ. NO. GBG-4518
 SBG PROJ. NO.
 3-17-SBGR-144/156/162/171

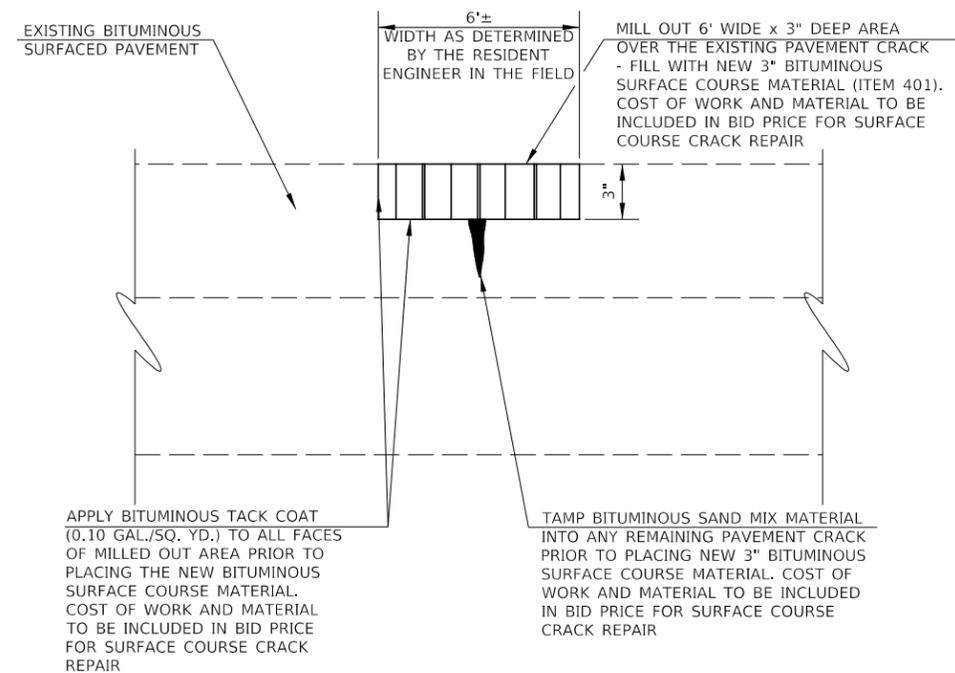
FINAL

13

SHEET 13 OF 13



BITUMINOUS BUTT JOINT CONSTRUCTION DETAIL



SURFACE COURSE CRACK REPAIR DETAIL
 SECTION VIEW