ITEM 01A 23 APR 2021 LETTING

CONSTRUCTION PLANS FOR TAYLORVILLE MUNICIPAL AIRPOF

CITY OF TAYLORVILLE TAYLORVILLE, IL

IL PROJECT: TAZ-4842 AIP PROJECT: 3-17-SBGP-139/144/156/162 REHABILITATE TAXIWAY A PAVEMENT AND LIGHTING - PH INSTALL NEW AIRPORT ROTATING BEACON AND TOW

MARCH 22, 2021





LOCATION MAP

SITE PLAN

COMMON GROUND ALLIANCE now what's **below. Call before you dig.** www.call811.com or Phone: 811 THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUTLILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS B CURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE COM ITY TO DETERMINE THE ACTUAL LOCATION OF ALL INCLUDING SERVICE CON ANIES OF HIS OPERATION IVE UTILITY COMPANIES DETAILED TIVE TO THE LOCATION OF THEIR FA UTILITY COMPANY CALL 911 IN THE EVENT IN WHICH DAMAGE RESULTS IN THE RELEASE OF NATURAL GAS. **DESIGN INFORMATION GEOMETRIC CRITERIA** AIRPLANE DESIGN GROUP II TAXIWAY DESIGN GROUP II PAVEMENT DESIGN CRITERIA AIRCRAFT SINGLE WHEEL GEAR DEPARTURE WEIGHT = 12,500 LBS. 100 ANNUAL DEPARTURES

> CALL J.U.L.I.E. BEFORE EXCAVATING 1-800-892-0123

TAYLORVILLE MUNICIPAL AIRPORT

TOWNSHIP: 13 NORTH RANGE: 2 WEST OF THE 4TH P.M. SECTION: 32 COUNTY: CHRISTIAN CIVIL TOWNSHIP: TAYLORVILLE

	TOTAL SHEETS: 59
RT	TA007
HASE 1; /ER	
	CITY OF TAYLORVILLE TAYLORVILLE MUNICIPAL AIRPORT TAYLORVILLE, ILLINOIS APPROVED MAYOR DATE 3131 John APPROVED MUMMY
EXP. 11/80/2021 PROFESSIONAL JAMES G. FR	

062562	1 9 5
- Aleria	
	DATE 22 MAR 21
2/21	CMT JOB NUMBER: 200050-01

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54	CG305	TAXIWAY A CROSS SECTION PLAN 05	
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57 CG308 TAXIWAY A CROSS SECTION PLAN 08			
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59	CG331	TAXIWAY A2 CROSS SECTION PLAN 1	

	SUMMARY OF QUANTITIES						
ITEM NO.	DESCRIPTION OF OFFERED ITEM	UNIT	BASE BID QUANTITY	ADD. ALT. 1 QUANTITY	ADD. ALT. 2 QUANTITY	ADD. ALT. 3 QUANTITY	TO QL
AR101510	AIRPORT ROTATING BEACON	EA	1	0	0	0	1
AR103970	REFURBISH & RELOCATE BEACON TOWER	LS	1	0	0	0	1
AR108060	BEACON POWER CABLE INSTALLATION	LS	1	0	0	0	1
AR108158	1/C #8 5 KV UG CABLE IN UD	LF	4365	375	375	375	549
AR108706	1/C #6 COUNTERPOISE	LF	3720	340	340	340	474
AR108960	REMOVE CABLE	LF	4150	500	400	300	535
AR110014	4" DIRECTIONAL BORE	LF	40	0	0	0	40
AR110102	DUCT MARKING - IN PAVEMENT	EA	10	0	0	0	10
AR110551	EXTEND DUCT	LF	144	0	0	0	144
AR110900	REMOVE DUCT	LF	58	0	0	0	58
AR125411	MITL - STAKE MOUNTED - LED	EA	36	2	2	4	44
AR125416	MITL - BASE MOUNTED - LED	EA	37	0	0	2	39
AR125901	REMOVE STAKE MOUNTED	EA	36	0	0	0	36
AR125902	REMOVE BASE MOUNTED LIGHT	EA	17	2	2	2	23
AR125964	RELOCATE TAXI GUIDANCE	EA	2	0	0	0	2
AR150510	ENGINEER'S FIELD OFFICE	LS	1	0	0	0	1
AR150520	MOBILIZATION	LS	1	0	0	0	1
AR152410	UNCLASSIFIED EXCAVATION	CY	685	0	0	0	685
AR152480	SHOULDER ADJUSTMENT	SY	1200	170	135	100	160
AR156520	INLET PROTECTION	EA	8	1	0	1	10
AR201660	BITUMINOUS CRACK REPAIR	LF	950	175	200	130	145
AR201670	CRACK CONTROL FABRIC	SY	430	80	200	60	770
AR209610	CRUSHED AGG. BASE COURSE - 10"	SY	1630	0	0	0	163
AR401610	BITUMINOUS SURFACE COURSE	TON	1030	90	70	60	125
AR401650	BITUMINOUS PAVEMENT MILLING	SY	9765	975	780	640	121
AR401655	BUTT JOINT CONSTRUCTION	SY	340	0	0	0	340
AR401900	REMOVE BITUMINOUS PAVEMENT	SY	2360	670	540	360	393
AR403610	BITUMINOUS BASE COURSE	TON	1710	150	120	100	208
AR602510	BITUMINOUS PRIME COAT	GAL	410	0	0	0	410
AR603510	BITUMINOUS TACK COAT	GAL	3175	150	120	100	354
AR620520	PAVEMENT MARKING - WATERBORNE	SF	18600	300	200	150	192
AR620525	PAVEMENT MARKING - BLACK BORDER	SF	5550	300	150	120	612
AR620900	PAVEMENT MARKING REMOVAL	SF	350	0	0	0	350
AR705524	4" PERFORATED UNDERDRAIN W/ SOCK	LF	3540	478	200	150	436
AR705544	4" NON PERFORATED UNDERDRAIN	LF	975	0	0	0	975
AR705635	UNDERDRAIN COLLECTION STRUCTURE	EA	7	0	0	0	7
AR705640	UNDERDRAIN CLEANOUT	EA	14	1	1	1	17
AR705645	UNDERDRAIN CONNECTION	EA	7	1	0	0	8
AR901510	SEEDING	AC	1.6	0.2	0.2	0.1	2.1
AR904510	SODDING	SY	1074	270	180	90	161
AR908510	MULCHING	AC	1.6	0.2	0.2	0.1	2.1

Path Date

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	License No. 184-000613
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	MARCH 22, 2021
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	PAVEMENT AND LIGHTING -
)	PHASE 1; INSTALL NEW
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50	1839
 N	CITY OF TAYLORVILLE
	TAYLORVILLE MUNICIPAL
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	MARK DATE DESCRIPTION
	AIP PROJECT: 3-17-SBGP-139/144/156/162
4	CMT PROJECT NO: 200050-01
	CAD DWG FILE: TAZ-4842_G1102.DWG DESIGNED RY: JGH
	DRAWN BY: CMT
	CHECKED BY: APPROVED BY:
	COPYRIGHT:
	SHEET TITLE
	INDEX TO SHEETS &
	SUMMARY OF
	QUANTITIES
	SHEET C OF JJ











GENERAL

- THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL FOLLOW THE REQUIREMENTS OF THE AIRPORT'S APPROVED CONSTRUCTION SAFETY AND PHASING PLAN (CSPP) FOR THIS PROJECT, FAA AC 150/5370-2G, AND ALL AIRPORT SAFETY AND SECURITY REQUIREMENTS
- PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR 2. SHALL SUBMIT TO THE AIRPORT FOR APPROVAL A SAFETY PLAN COMPLIANCE DOCUMENT (SPCD) IN ACCORDANCE WITH FAA AC 150/5370-2G. NO CONSTRUCTION ACTIVITY SHALL BEGIN UNTIL THE AIRPORT HAS APPROVED THE SPCD
- THE CSPP COVERS OPERATIONAL SAFETY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INDIVIDUAL SAFETY OF HIS/HER PERSONNEL AND MEETING OSHA REQUIREMENTS.
- A MINIMUM OF 10 DAYS PRIOR TO THE PRECONSTRUCTION MEETING THE CONTRACTOR SHALL PROVIDE A LIST OF SUBCONTRACTORS AND MATERIAL SUPPLIERS
- PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL SIGN THE STORM WATER POLLUTION PREVENTION PROGRAM (SWPPP) CERTIFICATION STATEMENT
- ALL CONTRACTOR COSTS ASSOCIATED WITH THE REQUIREMENTS LISTED ON THIS SHEET SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT UNLESS A SPECIFIC PAY ITEM IS PROVIDED.

1. COORDINATION

- PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL ATTEND A PRECONSTRUCTION CONFERENCE WITH THE AIRPORT, ENGINEER, AND ILLINOIS DIVISION OF AERONAUTICS (IDA). THE COST OF PREPARING FOR AND ATTENDING THE PRECONSTRUCTION CONFERENCE SHALL BE INCIDENTAL TO THE CONTRACT
- ON OR BEFORE THE PRECONSTRUCTION CONFERENCE. THE CONTRACTOR SHALL SUBMIT A PROPOSED SCHEDULE FOR THE PROJECT. THE SCHEDULE SHALL INCLUDE A START AND COMPLETION DATE FOR EACH ITEM OF WORK. THE SCHEDULE SHALL BE LIPDATED ON AS NEEDED BASIS ALL COSTS ASSOCIATED WITH THE SCHEDULE SHALL BE INCIDENTAL TO THE CONTRACT
- DUBING CONSTRUCTION THE CONTRACTOR SHALL ATTEND A З. COORDINATION MEETINGS WITH THE AIRPORT STAFF AND RESIDENT ENGINEER. ALL COSTS ASSOCIATED WITH ATTENDING THE WEEKLY MEETING SHALL BE INCIDENTAL TO THE CONTRACT.

2. PHASING

TOTAL CONTRACT TIME SHALL BE 46 CALENDAR DAYS.

- WORK ON THIS PROJECT LOCATED WITHIN 75' OF THE RUNWAY 18-36 CENTERLINE WILL SEVERLY LIMIT OPERATIONS AT THE AIRPORT. PRIOR TO STARTING WORK THE CONTRACTOR SHALL HAVE ON HAND ALL MATERIALS NECESSARY TO COMPLETE ALL WORK LOCATED WITHIN 75' OF THE RUNWAY 18-36 CENTERLINE
- PHASE 1 MAY BE INITIATED BY THE CONTRACTOR WITH THE APPROVAL OF THE AIRPORT MANAGER IT CONSIST OF ALL WORK NOT WITHIN 75' OF THE BUNWAY 18-36 CENTERLINE. PHASE 1A IS THE WORK THAT REQUIRES THE PRIMARY RUNWAY TO BE CLOSED. THE CONTRACTOR SHALL EXPEDITE ALL WORK WITHIN THE PHASE 1A WORK AREAS TO MINIMIZE THE CLOSURE TIME OF THE RUNWAY. PHASE 1A WILL BE SCHEDULED BY THE CONTRACTOR (APPROVED BY THE AIRPORT MANAGER) DURING THE PHASE 1 CONSTRUCTION
- PHASING SHALL BE AS NOTED BELOW AND AS SHOWN ON THE CONSTRUCTION ACTIVITY PLAN SHEET.

PHASE 1 & 2 NOTES

- THIS WORK SHALL CONSIST OF ALL WORK ON THE PROJECT NOT WITHIN 75' OF FITHER SIDE OF THE BUNWAY 18-36 CENTERLINE. DURING THIS PHASE RUNWAY 18-36 WILL REMAIN OPEN. NO PERSONNEL OR EQUIPMENT WILL BE ALLOWED WITHIN 75' OF THE RUNWAY CENTERLINE
- WORK IN THIS PHASE SHALL CONSIST OF THE 2. CONSTRUCTION OF THE EMBANKMENT, STORM DRAINAGE, SUBGRADE AGGREGATE BASE BITUMINOUS PAVEMENT AND LIGHTING IMPROVEMENTS ON THE TAXIWAY.

PHASE 1A & 2A NOTES

- THIS WORK SHALL CONSIST OF THE WORK LOCATED WITHIN 75' OF THE RUNWAY CENTERLINE INCLUDING BUT NOT LIMITED TO THE CONSTRUCTION OF PAVEMENT REMOVAL, CONSTRUCTING EMBANKMENT, CABLING AND LIGHTING IMPROVEMENTS
- 10. 2. THE CONTRACTOR SHALL BE ALLOWED TO CLOSE THE RUNWAY TO COMPLETE THE WORK. THE RUNWAY SHALL BE CLEANED AND REOPENED AT THE END OF EACH PHASE. THE SEQUENCE OF CLOSING AND OPENING THE RUNWAY SHALL BE GOVERNED BY THE REQUIREMENTS SET FORTH IN FAA ADVISORY CIRCULAF 5370-2 CURRENT VERSION; IN GENERAL THE SEQUENCE WILL BE:
- COORDINATE CLOSURE WITH THE AIRPORT MANAGER 21 NOTIFY AIR TRAFFIC OF RUNWAY CLOSURE
- 2.2.
- 2.3. DISABLE VISUAL AIDS
- 2.4. PLACE CLOSURE MARKERS
- KEEP EQUIPMENT CLEAR OF THE RUNWAY PROPER AND 2.5. MONITOR UNICOM

- 2.6 COMPLETE WORK
- 2.7. CLEAN PAVEMENTS
- 2.8. COORDINATE OPENING WITH AIRPORT MANAGER 2.9. REMOVE RUNWAY CLOSURE MARKERS
- 2.10. NOTIFY AIR TRAFFIC
- THE CONTRACTOR SHALL BE GIVEN 14 CONSECUTIVE CALENDAR З. DAYS TO COMPLETE THE WORK IN EACH PHASE, STARTING ON A MONDAY SELECTED BY THE CONTRACTOR AND APPROVED BY THE AIRPORT MANAGER TO COMPLETE THE WORK.
- LIQUIDATED DAMAGES OF \$500 PER DAY WILL BE CHARGED FOR ANY DAYS BEYOND THE SPECIFIED AMOUNT THAT THE RUNWAY MUST BE CLOSED.
- THE CONTRACTOR MAY CONTINUE TO WORK IN PHASE 1 AREA DURING PHASE 1A AND PHASE 2 DURING PHASE 2A.
- 3. AREAS AND OPERATIONS AFFECTED BY THE CONSTRUCTION ACTIVITY 8. HAZARDOUS MATERIALS (HAZMAT) MANAGEMENT
- ALL BUNWAYS TAXIWAYS AND APBONS SHALL BE KEPT OPEN TO AIRCRAFT TRAFFIC DURING CONSTRUCTION EXCEPT AS NOTED ON THE PHASING PLAN.
- 2. WHEN CONFLICTS ARISE BETWEEN CONSTRUCTION ACTIVITIES AND AIRCRAFT OPERATIONS AND SAFETY, AIRCRAFT OPERATIONS AND SAFETY SHALL TAKE PRECEDENCE AND SHALL GOVERN. FINAL AUTHORITY IN THE APPROVAL OF CONSTRUCTION SEQUENCING LIES WITH THE AIRPORT.
- ALL CONSTRUCTION TRAFFIC SHALL IMMEDIATELY YIELD TO З. ONCOMING AIRCRAFT AT ALL TIMES
- THE AIRPORT WILL BE HOSTING EVENTS THROUGHOUT THE 4 SUMMER AND RESERVES THE RIGHT TO HALT CONSTRUCTION UNTIL FURTHER NOTICE. KNOWN EVENTS AT THIS TIME ARE: JULY 9-16, 2019
- 4. PROTECTION OF NAVIGATION AIDS (NAVAIDS)
- THE CONTRACTOR SHALL REMAIN CLEAR OF THE RUNWAY 18 END 1. REILS AFTER INSTALLATION, PAPI, WINDCONE AND OTHER NAVAIDS FACILITIES AT ALL TIMES.

5. CONTRACTOR ACCESS

- CONTRACTOR ACCESS SHALL BE AS NOTED BELOW AND AS 1. SHOWN ON THE SITE PLAN AND CONSTRUCTION ACTIVITY PLAN SHEETS
- THE CONTRACTOR IS TO ACCESS THE SITE USING THE ENTRANCE 2. SHOWN
- ALL CONTRACTOR EMPLOYEES WHO ARE DESIGNATED AS З. DRIVERS FOR THE CONTRACTOR DRIVERS OF TRUCKS CONTAINING MATERIAL DELIVERIES (AGGREGATE, CONCRETE ETC.) SHALL BE REQUIRED TO SUBMIT THEIR NAME, DRIVER'S LICENSE NUMBER, TRUCK LICENSE PLATE NUMBER AND NAME OF TRUCKING COMPANY TO THE PRIME CONTRACTOR PRIOR TO ENTERING THE JOBSITE
- THE CONTRACTORS STORAGE AND STAGING AREA WILL BE AS 4 SHOWN IN THE SITE PLAN
- 5 THE CONTRACTOR SHALL KEEP A BECORD OF THE NAMES OF ALL EMPLOYEES ENTERING THE JOB SITE ON A DAILY BASIS. A RECORD OF EACH SUBCONTRACTOR ENTERING THE JOB SITE SHALL ALSO BE KEPT BY THE CONTRACTOR
- WHEN THE CONTRACTOR IS NOT WORKING, EQUIPMENT SHALL BE 6. STORED AT THE STAGING AREA
- THE CONTRACTOR WILL BE PERMITTED TO STORE EQUIPMENT 7. AND MATERIALS ONLY AT THE LOCATIONS SHOWN. PARKED EQUIPMENT AND MATERIAL STOCKPILES SHALL NOT PENETRATE SURFACES DEFINED BY F.A.R. TITLE 14 PART 77 - OBJECTS AFFECTING NAVIGABLE AIRSPACE.
- THE CONTRACTOR SHALL THOROUGHLY CLEAN ALL CONSTRUCTION AREAS AND HAUL ROUTES WHICH WILL BE OPENED TO AIR TRAFFIC TO THE SATISFACTION OF AIRPORT OPERATIONS OR THE RESIDENT ENGINEER. A POWER BROOM AND OPERATOR SHALL BE ON SITE AT ALL TIMES WHEN ACTIVE PAVEMENTS ARE UTILIZED FOR CONSTRUCTION TRAFFIC
- ALL PAVEMENTS, DRIVES OR ANY OTHER AREAS UTILIZED BY THE CONTRACTOR FOR HAUL ROADS OR STORAGE AREAS SHALL BE MAINTAINED AND REPAIRED TO THE SAME CONDITION OR BETTER THAN THEY WERE PRIOR TO BEGINNING CONSTRUCTION, NO ADDITIONAL COMPENSATION WILL BE MADE TO THE CONTRACTOR FOR THIS WORK

ALL VEHICLE AND EQUIPMENT OPERATORS USED BY THE CONTRACTOR SHALL BE PROPERLY TRAINED BY THE CONTRACTOR

THE CONTRACTOR SHALL NOTIFY THE AIRPORT IF CONSTRUCTION ACTIVITY WILL REQUIRE THE BLOCKAGE OF EMERGENCY ACCESS TO THE AIRPORT.

6. WILDLIFE MANAGEMENT

- THE CONTRACTOR SHALL NOTIFY AIRPORT OPERATIONS OR THE ENGINEER IF ANY WILDLIEF IS SEEN ENTERING THE AIRPORT
- 2. CONTRACTOR ACCESS GATES SHALL REMAIN CLOSED WHEN THE CONTRACTOR IS NOT WORKING
- THE CONTRACTOR SHALL DISPOSE OF ALL TRASH INCLUDING 3. FOOD SCRAPS IN APPROVED CONTRACTOR PROVIDED CONTAINERS.
- 7. FOREIGN OBJECT DEBRIS (FOD) MANAGEMENT
- THE CONTRACTOR SHALL PICK UP ANY FOREIGN OBJECT DEBRIS 1. (FOD) SEEN ON THE AIRFIELD PAVEMENTS.
- THE CONTRACTOR SHALL SECURE ALL LOOSE ITEMS FROM VEHICLES 2. PRIOR TO DRIVING ON AIRFIELD PAVEMENTS

THE CONTRACTOR SHALL DEVELOP A HAZMAT MANAGEMENT PLAN AND KEEP COPIES ON THE JOBSITE OF MATERIAL SAFETY DATA SHEETS (MSDS) FOR ALL MATERIALS HANDLED ON THE JOBSITE

9. NOTIFICATION OF CONSTRUCTION ACTIVITIES

- THE CONTRACTOR SHALL PROVIDE A 24 HOUR EMERGENCY CONTACT 1 PERSON AND PHONE NUMBER.
- THE CONTRACTOR SHALL GIVE A MINIMUM OF 72 HOURS NOTICE TO AIRPORT OPERATIONS PRIOR TO CLOSING ANY PAVEMENTS SO THAT PROPER NOTICE TO AIRMEN (NOTAMS) MAY BE ISSUED BY THE
- FOR ANY EQUIPMENT USED BY THE CONTRACTOR WITH A HEIGHT 3. GREATER THAN 25', THE CONTRACTOR SHALL PROVIDE TO THE AIRPORT THE TYPE OF EQUIPMENT, TOTAL HEIGHT, AND LOCATION WHERE THE EQUIPMENT WILL BE USED. THE AIRPORT WILL SUBMIT FAA FORM 7460-1 TO THE FAA FOR AN AIRSPACE STUDY. NO EQUIPMENT WITH A HEIGHT GREATER THAN 25' SHALL BE USED UNTIL A DETERMINATION FROM FAA IS RECEIVED.
- 4. IN THE EVENT OF AN EMERGENCY, THE CONTRACTOR SHALL CALL 911.
- CONTACTS FOR THIS PROJECT ARE AS LISTED BELOW 5.

AIRPORT OPERATOR ANDY GOODALL - INTERIM AIRPORT MANAGER

J. GREGORY HUNTLEY P.E. - PROJECT ENGINEER CMT - RESIDENT ENGINEER

10. INSPECTION REQUIREMENTS

- 1. COMPLIANCE WITH THE CSPP. THE CHECKLIST FOUND IN APPENDIX 3 OF FAA AC 150/5370-2G MAY BE USED TO AID IN THE INSPECTIONS.
- PHASE WORK AREA PRIOR TO OPENING THE AREA TO AIRPORT OPERATIONS

11. UNDERGROUND UTILITIES

- IT WILL BE NECESSARY FOR THE CONTRACTOR TO MAKE HIS OWN 1 FIELD INVESTIGATION TO DETERMINE THE EXACT LOCATION OF THE UNDERGROUND UTILITIES AT CRITICAL POINTS. THE LOCATION OF LINDERGROUND LITILITIES AS INDICATED ON THE PLANS HAS BEEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY IN RESPECT TO THE ACCURACY, COMPLETENESS OR SUFFICIENCY OF THE INFORMATION.
- BEFORE INITIATING ANY DIGGING, DRILLING OR EXCAVATING ON 2. THE AIRPORT PROPERTY, THE CONTRACTOR SHALL CALL J.U.L.I.E. AND CONTACT THE LOCAL FAA OFFICE TO ARRANGE FOR UTILITY LOCATES. SEE SECTION 50-17 OF THE SPECIAL PROVISIONS FOR UTILITY CONTACT INFORMATION.

12. PENALTIES

1. NONCOMPLIANCE BY THE CONTRACTOR WITH AIRPORT RULES AND REGULATIONS OR FAILURE TO COMPLY WITH THE AIRPORT'S APPROVED CSPP AND THE CONTRACTOR'S APPROVED SPCD MAY RESULT IN FINES AS ALLOWED BY LAW

13. SPECIAL CONDITIONS

ADJACENT CONSTRUCTION MAY IMPACT THE OPERATIONS OF THE 1 CONTRACTOR. SEE THE COORDINATION NOTES FOR ADDITIONAL INFORMATION.

14. RUNWAY AND TAXIWAY VISUAL AIDS

- PROJECT WILL REQUIRE THE CLOSURE OF RUNWAY 18-36 FOR A LIMITED DURATION DURING PHASE 1A & 1B. THE CONTRACTOR SHALL USE MARKING, LIGHTING AND SIGNS THAT FOLLOW THE **BEQUIREMENTS OF FAA AC 150/5370-2G**
- BARRICADES SHALL BE PLACED AT THE LOCATIONS SHOWN ON 2. THE CONSTRUCTION ACTIVITY PLAN SHEET



- 2. EQUIPMENT HEIGHT IS 25'
- ENGINEER
- LIGHTS AND FLAG PLACEMENT.

17. PROTECTION

1

3.

- 2. REQUESTED CLOSURE TIME.
- 18. OTHER LIMITATIONS ON CONSTRUCTION VEHICLES, PERSONNEL AND EQUIPMENT.
- 2. SPECIFIED
 - З. WEEKS TO COMPLETE.
- 4. SPECIFIED IN THE CONTRACT DOCUMENTS.
- (217) 787-8050 (217) 787-8050

(217) 827-9755

- THE CONTRACTOR SHALL INSPECT THE JOBSITE DAILY TO ENSURE
- THE CONTRACTOR SHALL ATTEND A FINAL INSPECTION OF EACH 2.

15. MARKING AND SIGNS FOR ACCESS ROUTES BARRICADES AND SIGNS SHALL BE USED ALONG THE CONTRACTOR'S ACCESS ROUTE AS DETAILED ON THE CONSTRUCTION ACTIVITY PLAN SHEETS. THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN MARKINGS AND ASSOCIATED LIGHTING OF OPEN TRENCHES, EXCAVATIONS, TEMPORARY ALL CONSTRUCTION FOUIPMENT SHALL BE FLAGGED AND/OR LIGHTED IN ACCORDANCE WITH FAA ADVISORY CIRCULAR 150/5370-2G AND 150/5210-5D AT ALL TIMES WHILE OPERATING ON AIRPORT PROPERTY. THE MAXIMUM BARRICADES SHALL BE PLACED AT THE LOCATIONS SHOWN ON THE CONSTRUCTION ACTIVITY PLAN SHEET OR AS DIRECTED BY THE RESIDENT THE CONTRACTOR SHALL INSPECT THE BARRICADES ONCE DURING EACH WORK DAY TO INSURE PROPER PLACEMENT AND PROPER OPERATION OF THE RED

ALL WORK BEQUIRED INSIDE OF THE BUNWAY 18-36 SAFETY AREAS WHICH EXTENDS 75' FROM THE BUNWAY CENTERI INF. WILL BEQUIRE THE BUNWAY TO BE CLOSED. THE CONTRACTOR SHALL COORDINATE WITH THE AIRPORT A MINIMUM OF 72 HOURS PRIOR TO THE REQUESTED CLOSURE TIME

ALL WORK REQUIRED ON AN ACTIVE TAXIWAY OR INSIDE OF AN AN ACTIVE TAXIWAY SAFETY AREA, WHICH EXTENDS 40' FROM THE TAXIWAY CENTERLINE, WILL REQUIRE THE TAXIWAY TO BE CLOSED. THE CONTRACTOR SHALL COORDINATE WITH THE AIRPORT A MINIMUM OF 72 HOURS PRIOR TO THE

IF. DURING CONSTRUCTION. AN EMERGENCY IS DECLARED BY THE AIRPORT. THE CONTRACTOR SHALL IMMEDIATELY CLEAR THE PAVEMENT OF ALL

BROKEN CONCRETE, BROKEN ASPHALT, AND OTHER MISCELLANEOUS DEBRIS SHALL BE DISPOSED OF OFF AIRPORT PROPERTY, UNLESS OTHERWISE

THE CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATION OF THE AIRSPACE FOR THE CONSTRUCTION EQUIPMENT THAT IS TALLER THAN THAT SPECIFIED ON THE PLANS WITH THE FAA. THIS PROCESS MAY TAKE UP TO 12

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEGGER TESTING ALL EXISTING CIRCUITS PRIOR TO CONSTRUCTION AND FOLLOWING CONSTRUCTION AS



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MARCH 22, 2021

REHABILITATE TAXIWAY A PAVEMENT AND LIGHTING PHASE 1; INSTALL NEW AIRPORT ROTATING BEACON AND TOWER

OWNER



CITY OF TAYLORVILLE TAYLORVILLE MUNICIPAL AIRPORT TAYLORVILLE, IL

ARK DATE DESCRIPTION

AIP PROJECT: 3-17-SBGP-139/144/156/16 IL PROJECT: TAZ-4842 CONTRACT: TA007 CMT PROJECT NO: 200050-01

CAD DWG FILE: TAZ-4842 GC110.DWG DESIGNED BY JGH DRAWN BY: CHECKED BY: CHK PPROVED BY: APR

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SHEET TITLE CONSTRUCTION SAFETY AND PHASING NOTES

GC110

SHEFT 8

OF

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MARCH 22, 2021 REHABILITATE TAXIWAY A PAVEMENT AND LIGHTING -PHASE 1; INSTALL NEW AIRPORT ROTATING BEACON AND TOWER OWNER CITY OF TAYLORVILLE TAYLORVILLE MUNICIPAL AIRPORT TAYLORVILLE, IL MARK DATE DESCRIPTION AIP PROJECT: 3-17-SBGP-139/144/156/162 CONTRACT: TA007 IL PROJECT: TAZ-4842 CMT PROJECT NO: 200050-01 CAD DWG FILE: TAZ-4842 CD500.DWG DESIGNED BY: JGH CMT DRAWN BY: CHECKED BY: APPROVED BY: COPYRIGHT: SHEET TITLE PAVEMENT DEMOLITION DETAIL 1 CD501

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OF

SHEET 12

NOTE; TAXIWAY SURFACE SHALL BE MILLED TO DEPTH NECESSARY TO ALLOW 4" BITUMINOUS OVERLAY TO PROPOSED PROFILES AND GRADES.



- 3.4. BITUMINOUS PRIME COAT
- 4. BITUMINOUS REPLACEMENT AND OVERLAY AND CRACK CONTROL FABRIC WI SEPARATELY.
- 5. LOCATIONS TO BE DETERMINED BY RESIDENT ENGINEER.



ð	License No. 184-000613 CONSULTANTS
PAVEMENT TO BE REMOVED AND REPLACED WITH TOPSOIL	
NG PAVEMENT " & VAR. INOUS	MARCH 22, 2021
	REHABILITATE TAXIWAY A PAVEMENT AND LIGHTING - PHASE 1; INSTALL NEW AIRPORT ROTATING BEACON
E COAT MATERIAL LL SIDES OF	
MINOUS	CHRISTIAN COLUMN
	CITY OF TAYLORVILLE TAYLORVILLE MUNICIPAL AIRPORT TAYLORVILLE, IL
NT ENGINEER.	
O A WIDTH OF	MARK DATE DESCRIPTION
THE RESIDENT	AIP PROJECT: 3-17-SBGP-139/144/156/162 IL PROJECT: TAZ-4842 CONTRACT: TA007
ND THE SIDES	CMT PROJECT NO: 200050-01
ED SURFACE.	DESIGNED BY: JGH
S. PAY ITEM	DRAWN BY: CMT CHECKED BY: APPROVED BY: COPYRIGHT:
ILL BE PAID	SHEET TITLE PAVEMENT DEMOLITION DETAIL 2
	CD502 sheet 13 of 59



Taxiway/



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License No. 184-000613 CONSULTANTS



GEOMETRY LOCATIONS				
POINT	STATION	OFFSET		
1	293+77.46	67.02 R		
2	293+83.04	48.00 R		
3	294+58.04	26.00 R		
4	295+91.80	19.85 R		
5	297+25.55	26.00 R		
6	298+00.55	48.00 R		
7	298+06.28	67.51 R		
8	298+91.10	66.60 R		
9	298+96.55	48.00 R		
10	299+71.55	26.00 R		
11	301+56.55	17.50 R		
12	302+00.57	17.50 R		
13	302+00.82	-212.32 L		
14	300+99.54	-212.50 L		
15	301+35.34	-202.00 L		
16	301+57.34	-127.00 L		
17	301+57.43	-125.00 L		
18	301+57.34	-123.00 L		
19	301+35.34	-48.00 L		
20	300+60.34	-26.00 L		
21	298+75.34	-17.50 L		
22	293+78.61	-17.50 L		

204+00

MARCH 22, 2021

REHABILITATE TAXIWAY A PAVEMENT AND LIGHTING -PHASE 1; INSTALL NEW AIRPORT ROTATING BEACON AND TOWER

OWNER



CITY OF TAYLORVILLE TAYLORVILLE MUNICIPAL AIRPORT

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	TAYLORVILLE, IL					
	MARK	DATE	DE	SCRIPTION		
	AIP PI	ROJECT	3-17	-SBGP-139/14	4/156/16	2
	IL PRO	DJECT: T	AZ-48	342		CONTRACT: TA007
	CMT F	ROJECT	I NO:	200050-01		
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١	OTES	LEGEND		KE	YMA
1.	INSTALL A TYPE 2 CLEANOUT STRUCTURE. PIPE TO THE SOUTH DIRECTION SHALL BE CAPPED. FOR FUTURE CONSTRUCTION.				
2.	INSTALL CO-04 AT LIMIT OF ADDITIVE ALTERNATE #2 OR #3 IF AWARDED.		NEW UNDERDRAIN PIPE, PERFORATED UNLESS NOTED		
		— — ST —	EXISTING STORM SEWER PIPE		
		СВ	EXISTING CATCH BASIN		
M		Θ	NEW CLEAN OUT TYPE 1 OR TYPE 2 (CO)		
1 4:38:24		•	NEW COLLECTION STRUCTURE (CS) DIRECT CONNECTION (DC)		
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STRUCTURE TABLE TWY A - STORM AND UD			
STRUCTURE NAME AND TYPE	STRUCTURE DETAILS	HORIZONTAL CONTROL	
CO-01	RIM = 614.50 SUMP = 611.50 01-07 INV OUT = 611.50	TWY A STA 289+86.48 OFFSET -211.56 L	
CO-01-2	RIM = 616.28 SUMP = 613.04 01-01 INV OUT = 613.04	TWY A STA 285+00.00 OFFSET -18.50 L	
CO-01-3	RIM = 616.10 SUMP = 612.41 01-01 INV IN = 612.41 01-02 INV OUT = 612.41	TWY A STA 287+51.00 OFFSET -18.50 L	
CO-01-N1	RIM = 612.75 SUMP = ??? 01-02 INV IN = 612.39 01-03 INV OUT = 612.39	TWY A STA 287+62.59 OFFSET -18.50 L	
CO-01-N2	RIM = 612.29 SUMP = ??? 01-03 INV IN = 611.92 01-04 INV OUT = 611.92	TWY A STA 289+47.45 OFFSET -26.99 L	
CO-01-N3	RIM = 612.10 SUMP = ??? 01-04 INV IN = 611.73 01-05 INV OUT = 611.73	TWY A STA 290+21.81 OFFSET -48.81 L	
CO-01-N4	RIM = 611.78 SUMP = ??? 01-07 INV IN = 611.41 01-08 INV OUT = 611.41	TWY A STA 290+21.81 OFFSET -201.19 L	
CO-02	RIM = 614.79 SUMP = 611.79 02-01 INV OUT = 611.79	TWY A STA 291+54.83 OFFSET -211.58 L	
CO-02-2	RIM = 615.45 SUMP = 612.53 02-04 INV OUT = 612.53 03-01 INV OUT = 612.53	TWY A STA 294+01.53 OFFSET -18.50 L	
CO-02-N1	RIM = 612.07 SUMP = ??? 02-01 INV IN = 611.70 02-02 INV OUT = 611.70	TWY A STA 291+19.42 OFFSET -201.19 L	
CO-02-N2	RIM = 612.84 SUMP = ??? 02-04 INV IN = 612.47 02-05 INV OUT = 612.47	TWY A STA 293+78.64 OFFSET -18.50 L	
CO-02-N3	RIM = 612.38 SUMP = ??? 02-05 INV IN = 612.01 02-06 INV OUT = 612.01	TWY A STA 291+93.78 OFFSET -26.99 L	
CO-02-N4	RIM = 612.18 SUMP = ??? 02-06 INV IN = 611.82 02-07 INV OUT = 611.82	TWY A STA 291+19.42 OFFSET -48.81 L	
CO-03	RIM = 615.20 SUMP = 612.20 03-06 INV OUT = 612.20	TWY A STA 300+99.74 OFFSET -211.40 L	
CO-03-2	RIM = 615.31 SUMP = 611.58 03-01 INV IN = 611.58 03-02 INV OUT = 611.58	TWY A STA 298+75.32 OFFSET -18.50 L	
CO-03-N1	RIM = 612.12 SUMP = ??? 03-06 INV IN = 611.75 03-07 INV OUT = 611.75	TWY A STA 301+34.53 OFFSET -201.19 L	
CO-03-N2	RIM = 611.49 SUMP = ??? 03-02 INV IN = 611.12 03-03 INV OUT = 611.12	TWY A STA 300+60.17 OFFSET -26.99 L	
CO-03-N3	RIM = 611.30 SUMP = ??? 03-03 INV IN = 610.93 03-04 INV OUT = 610.93	TWY A STA 301+34.53 OFFSET -48.81 L	
CO-04	RIM = 616.53 SUMP = 613.04 04-01 INV OUT = 613.04	TWY A STA 281+50.98 OFFSET 18.50 R	

STRUCTURE TABLE TWY A - STORM AND UD				
STRUCTURE NAME AND TYPE	STRUCTURE DETAILS	HORIZONTAL CONTROL		
CO-05	RIM = 615.92 SUMP = 612.68 05-01 INV IN = 612.68 05-02 INV OUT = 612.68	TWY A STA 287+51.00 OFFSET 18.50 R		
CO-05-2	RIM = 615.92 SUMP = 612.05 05-02 INV IN = 612.05 05-03 INV OUT = 612.05	TWY A STA 290+02.14 OFFSET 18.50 R		
CO-05-N1	RIM = 612.36 SUMP = ??? 05-03 INV IN = 611.99 05-04 INV OUT = 611.99	TWY A STA 290+27.01 OFFSET 18.50 R		
CO-05-N2	RIM = 611.89 SUMP = ??? 05-04 INV IN = 611.53 05-05 INV OUT = 611.53	TWY A STA 292+11.87 OFFSET 26.99 R		
CO-05-N3	RIM = 611.70 SUMP = ??? 05-05 INV IN = 611.33 05-06 INV OUT = 611.33	TWY A STA 292+86.23 OFFSET 48.81 R		
CO-06-N1	RIM = 611.88 SUMP = ??? 06-01 INV IN = 611.52 06-02 INV OUT = 611.52	TWY A STA 294+58.20 OFFSET 26.99 R		
CO-06-N2	RIM = 611.11 SUMP = ??? 06-02 INV IN = 610.74 06-03 INV OUT = 610.74	TWY A STA 293+83.84 OFFSET 48.81 R		
CO-07	RIM = 614.91 SUMP = 611.91 07-01 INV OUT = 611.91	TWY A STA 298+04.92 OFFSET 66.43 R		
CO-07-N1	RIM = 612.23 SUMP = ??? 07-01 INV IN = 611.86 07-02 INV OUT = 611.86	TWY A STA 297+99.75 OFFSET 48.81 R		
CO-07-N2	RIM = 612.04 SUMP = ??? 07-02 INV IN = 611.67 07-03 INV OUT = 611.67	TWY A STA 297+25.39 OFFSET 26.99 R		
CO-07-N3	RIM = 611.70 SUMP = ??? 07-03 INV IN = 611.34 07-04 INV OUT = 611.34	TWY A STA 295+91.80 OFFSET 20.86 R		
CO-08	RIM = 614.83 SUMP = 611.82 08-01 INV OUT = 611.82	TWY A STA 298+92.42 OFFSET 65.63 R		
CO-08-02	RIM = 614.50 SUMP = 611.50 08-05 INV OUT = 611.50	TWY A STA 302+01.83 OFFSET -211.33 L		
CO-08-03	RIM = 614.89 SUMP = 610.93 08-05 INV IN = 610.93 08-06 INV OUT = 610.93	TWY A STA 302+01.84 OFFSET 18.50 R		
CO-08-N1	RIM = 612.15 SUMP = ??? 08-01 INV IN = 611.78 08-02 INV OUT = 611.78	TWY A STA 298+97.36 OFFSET 48.81 R		
CO-08-N2	RIM = 611.96 SUMP = ??? 08-02 INV IN = 611.59 08-03 INV OUT = 611.59	TWY A STA 299+71.72 OFFSET 26.99 R		
CO-08-N3	RIM = 611.19 SUMP = ??? 08-06 INV IN = 610.82 08-07 INV OUT = 610.82	TWY A STA 301+56.58 OFFSET 18.50 R		
CS-01	RIM = 614.35 SUMP = 611.21 01-05 INV IN = 611.53 01-08 INV IN = 611.21 01-06-NP INV OUT = 611.21	TWY A STA 290+43.70 OFFSET -125.00 L		
CS-02	RIM = 614.50 SUMP = 611.50 02-02 INV IN = 611.50 02-07 INV IN = 611.62 02-03-NP INV OUT = 611.50	TWY A STA 290+97.52 OFFSET -125.00 L		

STRUCTURE TABLE TWY A - STORM AND UD				
STRUCTURE NAME AND TYPE	STRUCTURE DETAILS	HORIZONTAL CONTROL		
CS-03	RIM = 613.65 SUMP = 610.73 03-04 INV IN = 610.73 03-07 INV IN = 610.76 03-05-NP INV OUT = 610.73	TWY A STA 301+56.43 OFFSET -125.00 L		
CS-05	RIM = 613.55 SUMP = 611.29 05-06 INV IN = 611.29 05-07-NP INV OUT = 611.29	TWY A STA 292+91.23 OFFSET 65.37 R		
CS-06	RIM = 613.62 SUMP = 610.56 06-03 INV IN = 610.56 06-04-NP INV OUT = 610.56	TWY A STA 293+78.79 OFFSET 66.02 R		
CS-07	RIM = 615.47 SUMP = 611.24 07-04 INV IN = 611.24 06-01 INV OUT = 612.47 07-05-NP INV OUT = 611.24	TWY A STA 295+53.57 OFFSET 22.61 R		
CS-08	RIM = 615.13 SUMP = 610.69 08-07 INV IN = 610.69 08-03 INV IN = 611.25 08-04-NP INV OUT = 610.69	TWY A STA 301+05.02 OFFSET 20.87 R		
DC-04	RIM = 616.27 SUMP = 610.09 04-01 INV IN = 612.09 05-01 INV OUT = 613.27	TWY A STA 285+13.98 OFFSET 18.50 R		
EX IN-01	RIM = 612.22 SUMP = 610.32 01-06-NP INV IN = 610.49 EX-01 INV OUT = 610.32	TWY A STA 288+02.21 OFFSET -120.85 L		
EX IN-02	RIM = 612.15 SUMP = 610.22 02-03-NP INV IN = 610.28 EX-02 INV OUT = 610.22	TWY A STA 294+01.53 OFFSET -123.96 L		
EX IN-03	RIM = 612.57 SUMP = 610.35 03-05-NP INV IN = 610.35 EX-03 INV OUT = 610.35	TWY A STA 299+00.69 OFFSET -123.39 L		
EX IN-04	RIM = 611.85 SUMP = 608.40 EX-04 INV IN = 608.43 EX-12 INV IN = 608.50 EX-11 INV OUT = 608.40	TWY A STA 285+02.14 OFFSET 124.48 R		
EX IN-05	RIM = 611.75 SUMP = 609.70 05-07-NP INV IN = 609.85 EX-05 INV OUT = 609.70	TWY A STA 291+96.39 OFFSET 51.17 R		
EX IN-06	RIM = 612.52 SUMP = 609.35 EX-07 INV IN = 609.38 06-04-NP INV IN = 609.48 EX-06 INV OUT = 609.35	TWY A STA 294+03.89 OFFSET 56.19 R		
EX IN-07	RIM = 612.26 SUMP = 610.32 07-05-NP INV IN = 610.42 EX-07 INV OUT = 610.32	TWY A STA 295+53.57 OFFSET 55.38 R		
EX IN-08	RIM = 613.00 SUMP = 608.83 08-04-NP INV IN = 609.98 EX-08 INV OUT = 608.83	TWY A STA 301+05.02 OFFSET 52.35 R		
EX IN-09	RIM = 612.34 SUMP = 610.39 EX-09 INV OUT = 610.39	TWY A STA 283+00.98 OFFSET -124.67 L		
EX IN-10	RIM = 613.28 SUMP = 611.61 EX-10 INV OUT = 611.61	TWY A STA 302+19.91 OFFSET -98.88 L		

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PIPE SCHEDULE TWY A - STORM AND UD				PIPE SCHEDULE TWY A - STORM AND UD											
PIPE	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	INVERT	INVERT	LENGTH (FT)	SLOPE	TYPE	PIPE	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	INVERT	INVERT	LENGTH (FT)	SLOPE	TYPE
01-06-NP	CS-01	EX IN-01	611.21	610.49	230	0.30%	PVC PIPE - 4"	05-07-NP	CS-05	EX IN-05	611.29	609.85	84	1.50%	PVC PIPE - 4"
01-02	CO-01-3	CO-01-N1	612.41	612.39	0	0.25%	PVC PIPE - 4"	05-02	CO-05	CO-05-2	612.68	612.05	239	0.25%	PVC PIPE - 4"
01-03	CO-01-N1	CO-01-N2	612.39	611.92	173	0.25%	PVC PIPE - 4"	05-04	CO-05-N1	CO-05-N2	611.99	611.53	173	0.25%	PVC PIPE - 4"
01-01	CO-01-2	CO-01-3	613.04	612.41	239	0.25%	PVC PIPE - 4"	05-05	CO-05-N2	CO-05-N3	611.53	611.33	65	0.25%	PVC PIPE - 4"
01-07	CO-01	CO-01-N4	611.50	611.41	25	0.25%	PVC PIPE - 4"	05-06	CO-05-N3	CS-05	611.33	611.29	5	0.25%	PVC PIPE - 4"
01-08	CO-01-N4	CS-01	611.41	611.21	67	0.25%	PVC PIPE - 4"	05-01	DC-04	CO-05	613.27	612.68	225	0.25%	PVC PIPE - 4"
01-05	CO-01-N3	CS-01	611.73	611.53	67	0.25%	PVC PIPE - 4"	05-03	CO-05-2	CO-05-N1	612.05	611.99	13	0.25%	PVC PIPE - 4"
01-04	CO-01-N2	CO-01-N3	611.92	611.73	65	0.25%	PVC PIPE - 4"	06-01	CS-07	CO-06-N1	612.47	611.52	83	1.00%	PVC PIPE - 4"
02-03-NP	CS-02	EX IN-02	611.50	610.28	292	0.40%	PVC PIPE - 4"	06-04-NP	CS-06	EX IN-06	610.56	609.48	15	4.00%	PVC PIPE - 4"
02-04	CO-02-2	CO-02-N2	612.53	612.47	11	0.25%	PVC PIPE - 4"	06-03	CO-06-N2	CS-06	610.74	610.56	6	1.00%	PVC PIPE - 4"
02-05	CO-02-N2	CO-02-N3	612.47	612.01	173	0.25%	PVC PIPE - 4"	06-02	CO-06-N1	CO-06-N2	611.52	610.74	65	1.00%	PVC PIPE - 4"
02-06	CO-02-N3	CO-02-N4	612.01	611.82	65	0.25%	PVC PIPE - 4"	07-05-NP	CS-07	EX IN-07	611.24	610.42	21	2.50%	PVC PIPE - 4"
02-07	CO-02-N4	CS-02	611.82	611.62	67	0.25%	PVC PIPE - 4"	07-04	CO-07-N3	CS-07	611.34	611.24	26	0.25%	PVC PIPE - 4"
02-02	CO-02-N1	CS-02	611.70	611.50	67	0.25%	PVC PIPE - 4"	07-03	CO-07-N2	CO-07-N3	611.67	611.34	122	0.25%	PVC PIPE - 4"
02-01	CO-02	CO-02-N1	611.79	611.70	25	0.25%	PVC PIPE - 4"	07-02	CO-07-N1	CO-07-N2	611.86	611.67	65	0.25%	PVC PIPE - 4"
03-01	CO-02-2	CO-03-2	612.53	611.58	462	0.20%	PVC PIPE - 4"	07-01	CO-07	CO-07-N1	611.91	611.86	6	0.25%	PVC PIPE - 4"
03-05-NP	CS-03	EX IN-03	610.73	610.35	244	0.15%	PVC PIPE - 4"	08-04-NP	CS-08	EX IN-08	610.69	609.98	19	2.25%	PVC PIPE - 4"
03-02	CO-03-2	CO-03-N2	611.58	611.12	173	0.25%	PVC PIPE - 4"	08-03	CO-08-N2	CS-08	611.59	611.25	121	0.25%	PVC PIPE - 4"
03-06	CO-03	CO-03-N1	612.20	611.75	24	1.25%	PVC PIPE - 4"	08-01	CO-08	CO-08-N1	611.82	611.78	6	0.25%	PVC PIPE - 4"
03-07	CO-03-N1	CS-03	611.75	610.76	67	1.25%	PVC PIPE - 4"	08-02	CO-08-N1	CO-08-N2	611.78	611.59	65	0.25%	PVC PIPE - 4"
03-04	CO-03-N3	CS-03	610.93	610.73	67	0.25%	PVC PIPE - 4"	08-07	CO-08-N3	CS-08	610.82	610.69	40	0.25%	PVC PIPE - 4"
03-03	CO-03-N2	CO-03-N3	611.12	610.93	65	0.25%	PVC PIPE - 4"	08-06	CO-08-03	CO-08-N3	610.93	610.82	33	0.25%	PVC PIPE - 4"
04-01	CO-04	DC-04	613.04	612.09	351	0.26%	PVC PIPE - 4"	08-05	CO-08-02	CO-08-03	611.50	610.93	218	0.25%	PVC PIPE - 4"

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	NOTES	LEGEND	KEY		
	1.	PROPOSED TAXIWAY CENTERLINE MARKING (YELLOW W/ BLACK BORDER)			
		PROPOSED HOLDING POSITION MARKING (YELLOW W/ BLACK BORDER)			
		PROPOSED TAXIWAY EDGE MARKING			
		EXISTING MARKING			
		PROPOSED RUNWAY MARKING (WHITE W/ BLACK BORDER)			
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NOTES

- 1. DUCT MARKERS SHALL BE INSTALLED AT BOTH EDGES OF PAVEMENT WHERE PROPOSED ELECTRICAL DUCTS CROSS BOTH NEW AND EXISTING PAVEMENTS.
- 2. CABLE MARKERS SHALL BE INSTALLED AT ALL BENDS AND EVERY 200' ALONG THE HOMERUN.
- 3. ITEM 610 CONCRETE SHALL BE USED.
- 4. ALL EXPOSED EDGES SHALL BE EDGED WITH A 1/4" RADIUS TOOL.
- 5. THE COST OF FURNISHING AND INSTALLING NEW MARKERS SHALL BE INCIDENTAL TO THE ASSOCIATED ITEMS.
- 6. 0.049 CU. YD. CONCRETE PER MARKER.
- 7. A MARKER CONFORMING TO THIS DETAIL MARKED "SPLICE" SHALL BE INSTALLED AT ALL SPLICE LOCATIONS NOT IN LIGHT CANS OR MANHOLES.

- 1. CABLES SHALL NOT BE PLACED LESS THAN 24" DEEP IN ANY ONE TRENCH UNLESS PERMITTED BY ENGINEER.
- 2. WHERE PERMITTED, CONTRACTOR MAY INSTALL CABLE IN UNIT DUCT BY PLOWING METHOD.

- FLANGE WITH SET SCREW
- CONTRACTOR TO COORDINATE LEGEND WITH AIRPORT.

·.)	License No. 184-000613 CONSULTANTS
127 LE STRENGTH PAVED DE FINISHED ELEV.	
GRADE KFILL 7 1/2" COUNTERPOISE - DETAIL	
BLE CONNECTORS L-823 SHRINK AND COLOR TAPE NOTE 6. PPER 3 C WELD	
OPPER CLAD ID, TOP OF ROD ELOW GRADE	MARCH 22, 2021 REHABILITATE TAXIWAY A PAVEMENT AND LIGHTING - PHASE 1; INSTALL NEW
ITY LIGHTS - LED	AIRPORT ROTATING BEACON AND TOWER
TIXTURE & D TURN OVER TO	UNICH UNISTIAN COLLECTION COLLECTICOL COLLECTICOL COLLECTICOL COLLECTICATICA COLLECTICATICA COLLECTICATICA COLLECTICATICA COLLECTICATICA COLLECTICATICA COLLECTICATICA COLLECTICATICA COLLECTICATICATICA COLLECTICATICATICATICATICATICATICATICATICATIC
ING CAN	CITY OF TAYLORVILLE TAYLORVILLE MUNICIPAL AIRPORT TAYLORVILLE, IL
CKFILL WITH MPACTED SOIL	
EXISTING CABLE TO BE REMOVED AT LOCATIONS SHOWN IN EXISTING CONDITIONS SHEETS	MARK DATE DESCRIPTION AIP PROJECT: 3-17-SBGP-139/144/156/162
_	DRAWN BY: CMT CHECKED BY: APPROVED BY: COPYRIGHT:
_	SHEET TITLE ELECTRICAL DETAILS 02
LIGHT	ES502 sheet 43 of 59

INSTALLATION INSTRUCTIONS TO SUPPLEMENT THE MANUFACTURER'S INSTRUCTIONS

- 1. CLEAN THE CABLE THOROUGHLY 9" MIN. FROM THE END.
- REMOVE INSULATION PER MANUFACTURER'S INSTRUCTIONS. DO NOT NICK THE CONDUCTOR. DO NOT PENCIL INSULATION ON L-824 TYPE C CABLE.
- 3. INSTALL PIN AND/OR RECEPTICAL WITH CRIMPING TOOL WHICH MUST BE COMPLETELY CLOSED BEFORE THE TOOL MAY BE REMOVED.
- 4. BE SURE CABLE AND CONDUCTOR FITTINGS ARE CLEAN. COAT THE CABLE INSULATION WITH INSULATION JELLY FROM THE CONNECTOR.
- 5. CAREFULLY INSERT CABLE INTO CONNECTOR TO THE PROPER DEPTH.
- 6. SLIP 14 INCH LENGTH OF HEAT SHRINK TUBING ON TRANSFORMER LEAD RAYCHEM TCS-13-14-U OR APPROVED EQUAL.
- 7. COMPLETE CONNECTION BY MATING THE PLUG AND RECEPTICAL. **CAUTION** BE SURE THE CABLE DOES NOT SLIP WHEN THE CONNECTION IS MADE.
- 8. APPLY RUBBER TAPE AND PLASTIC TAPE, ONE HALF LAPPED 1-1/2" ON EACH SIDE OF JOINT.
- 9. ANY CONNECTOR WHICH IS CONTAMINATED BY DIRT OR OTHER DELETERIOUS MATERIAL SHALL BE REMOVED NOT REINSTALLED.
- 10. CLEAN CONNECTOR AND CABLE INSULATION WITH WAX OR GREASE SOLVENT TO REMOVE SURFACE SILICONE JELLY.
- 11. WRAP SEALANT SECURELY AROUND THE CABLE. INSULATION TO EXTEND 1-1/2" BEYOND BOTH ENDS OF CONNECTORS. SEALANT SHALL BE RAYCHEM S-1052 (STRIPS) OR APPROVED EQUAL.
- 12. CENTER HEAT SHRINK OVER THE CONNECTOR. APPLY HEAT EVENLY BEGINNING AT THE CENTER AND WORKING AROUND CABLE TO ENDS. THERMOCHROMIC PAINT SHALL SHOW PROPER HEAT HAS BEEN USED. *** DO NOT OVER HEAT ***.
- 13. THE HEAT SOURCE SHALL BE AN ELECTRIC HEAT GUN OR A PROPANE WITH FLAME SPREADER.

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MOLD WITH	
) IN SPLICE KIT	
BLE TUBING L ADHESIVE	MARCH 22 2021
[~] АЕТЕН HRINKING (TYP.)	PAVEMENT AND LIGHTING -
	PHASE 1; INSTALL NEW
AL ADHESIVE	AIRPORT ROTATING BEACON
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	OWNER
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JG (TYP.)	1839
	CITY OF TAYLORVILLE
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n	TAYLORVILLE, IL
	MARK DATE DESCRIPTION
	AIP PROJECT: 3-17-SBGP-139/144/156/162
IG (TYP)	IL PROJECT: TAZ-4842 CONTRACT: TA007
	CAD DWG FILE: TAZ-4842_ES500.DWG
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MATCH THE OUTSIDE DIAMETER OF CABLE	ELECTRICAL DETAILS
INSIDE DIAMETER OF CONNECTOR SHALL PROPERLY	03
WHAP WITH AT LEAST ONE LAYER OF RUBBER OR TAPE, ONE-HALF LAPPED, EXTENDING AT LEAST 1.1/2 INCHES ON FACH SIDE OF LOINT	
IN LIEU OF HEAT SHRINK SPLICE, CONTRACTOR MAY	ES503
INSTALL FOR APPROVED "COMPLETE KIT"	sheet 44 of 59

DUCT BANK NOTES

- 1. DIMENSIONS SHOWN ARE MINIMUM.
- 2. TOP OF CONCRETE ENCASEMENT SHALL BE NOT LESS THAN 24" BELOW FINISHED SUBGRADE BELOW PAVEMENTS AND NOT LESS THAN 24" BELOW FINISHED GRADE IN UNPAVED AREAS, EXCEPT WHERE DIRECTED OTHERWISE BY ENGINEER. AVOID ALL CONFLICTS WITH OTHER UTILITIES (UNDERDRAINS, WATER LINES, SEWER LINES, TELEPHONE, ELECTRICAL) OR OTHER OBSTACLES, ADJUSTING DEPTH AS NECESSARY.
- 3. CONCRETE SHALL BE ITEM 610.
- 4. CONDUIT FOR CONCRETE ENCASEMENT SHALL BE SCHEDULE 40 PVC, 4" NOMINAL DIAMETER, OR AS INDICATED ON THE PLANS.
- 5. CONCRETE ENCASEMENT SHALL EXTEND A MINIMUM OF 5'-0" BEYOND EDGES OF PAVEMENT, OR AS SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER.
- 6. #4 REBAR SHALL BE INSTALLED CONTINUOUS THE LENGTH OF THE CONCRETE ENCASEMENT.
- 7. DUCT BANK SHALL BE STACKED NO MORE THAN THREE CONDUITS HIGH UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
- 8. AT ENDS OF DUCT BANKS, INSTALL A PVC COUPLING FLUSH WITH END OF CONCRETE FOR CONNECTING FUTURE CONDUIT. INSTALL POLYETHELENE PULL STRING, GREENLEE, OR EQUIVALENT. PLUG THE ENDS OF UNUSED SPARE CONDUITS WITH WOODEN PLUGS.
- 9. HIGH VOLTAGE WIRING, RUNWAY & TAXIWAY SERIES CIRCUIT WIRING, ETC., AND POWER WIRING OVER 480V SHALL BE INSTALLED IN SEPARATE CONDUITS FROM LOW VOLTAGE WIRING, 480V OR LESS.
- 10. IF POSIBLE, INSTALL FIBER OPTIC CABLES AND COMMUNICATION CABLES (FAA, ETC.) IN THEIR OWN CONDUITS; OTHERWISE, INSTALL THEM IN THE CONDUITS WITH LOW VOLTAGE WIRING.

NOTES:

N.T.S.

4

- THE HEIGHT ABOVE THE CABLE AND/OR CONDUIT IS CALCULATED CABLES AND/OR CONDUITS TO BE PROTECTED ARE WITHIN THE 45 PROTECTION BELOW THE COUNTERPOISE.
- COUNTERPOISE WIRES MUST BE INSTALLED ABOVE MULTIPLE COI FOR AIREFIELD LIGHTING CABLES, WITH THE INTENT BEING TO PRO CONE OF PROTECTION OVER THE AIRFIELD LIGHTING CABLES. WH CONDUITS AND/OR DUCT BANKS FOR AIRFIELD CABLE ARE INSTAL TRENCH, THE NIMBER AND LOCATION OF THE COUNTERPOISE WIF CONDUITS SHALL BE ADEQUATE TO PROVIDE A COMPLETE ZONE OF MEASURED 22-1 /2°EACH SIDE OF VERTICAL.
- 3. REFER TO THE CURRENT VERSIONS OF FAA AC 150/5340-30 AND AC MORE DETAILS ON COUNTERPOISE INSTALLATION.

1/C #8, 5KV L-824 TYPE C CABLE IN DUCT/CONDUIT

NOTES:

#6 BARE COUNTERPOISE WITH 3/4" x 10' GROUND ROD INSTALLED AT MAX. 500' SPACING, ALSO USE GROUND ROD TO TERMINATE THE COUNTERPOISE AT BOTH ENDS OF DUCT, GROUND RODS SHALL BE CONSIDERED INCIDENTAL TO OTHER PAY ITEMS.

DR) GRADE RED RUNNING THE DUCT	License No. 184-000613 CONSULTANTS
UCT BANK)	
TO ENSURE THE 5° ZONE OF NDUITS/DUCT BANKS OVIDE A COMPLETE IEN MULTIPLE LED IN THE SAME RES ABOVE THE OF PROTECTION	
C 150/5370-10 FOR	MARCH 22, 2021
2' TYPICAL ELEVATED LIGHT	REHABILITATE TAXIWAY A PAVEMENT AND LIGHTING - PHASE 1; INSTALL NEW AIRPORT ROTATING BEACON AND TOWER
24"	CITY OF TAYLORVILLE TAYLORVILLE MUNICIPAL AIRPORT TAYLORVILLE, IL
ATION	MARK DATE DESCRIPTION AIP PROJECT: 3-17-SBGP-139'144/156'162 IL PROJECT: TAZ-4842 CONTRACT: TA007 CMT PROJECT NO: 200050-01 CAD DWG FILE: TAZ-4842_ES500.DWG DESIGNED BY: JGH JGH DRAWN BY: CMT CHECKED BY: APPROVED BY: COPYRIGHT: SHEET TITLE SHEET TITLE
	ELECTRICAL DETAIL
	ES505 _{sheet} 46 _{of} 59

NOTES:

- 1. CONTRACTOR SHALL RELOCATE ALL ELECTRICAL POWER/CONTR AND RE-WIRE AS REQUIRED.
- 2. THE BEACON TOWER SHALL BE PAINTED IN 7 EQUAL ALTERNATING AVIATION ORANGE AND WHITE WITH THE BANDS AT THE BOTTOM PAINTED ORANGE. ALL EXPOSED PARTS OF THE BEACON TOWER, RAILING, AND SUPPORTS SHALL BE PAINTED.
- 3. ORANGE SHALL BE NUMBER 12197, AND WHITE SHALL BE NUMBER FED-STD-595.
- 4. SURFACE PREPARATION, SANDING, AND PRIMER SHALL BE PER M. RECOMMENDATION AND COMPATIBLE WITH THE FINISH COAT.
- 5. CONTRACTOR SHALL COORDINATE WITH BEACON MANUFACTURE NEW BEACON WITH MOUNTING PLATE AND HARDWARE COMPATIB BEACON TOWER

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NEW L-002A(L) HOTATING BEACON	
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: BOTTOM AND TOP ENDS ON TOWER, PLATFORM,	
E NUMBER 17875 PER	MARK DATE DESCRIPTION
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282+00.00	5.40	0.31		
282+50.00	6.83	0.05		
283+00.00	4.93	0.61		
283+50.00	3.31	1.15		
284+00.00	2.84	1.35		
284+50.00	1.88	0.94		
285+00.00	1.21	1.85		
285+50.00	1.74	1.68		
286+00.00	1.38	2.72		
286+50.00	2.30	1.83		
287+00.00	1.39	1.76		
287+50.00	1.82	1.21		
288+00.00	0.86	2.50		
288+50.00	1.70	1.20		
289+00.00	1.93	0.74		
289+50.00	4.91	0.30		
290+00.00	2.11	12.40		
290+50.00	2.29	0.29		
291+00.00	2.14	0.01		
291+50.00	0.52	6.52		
292+00.00	0.65	1.46		
292+50.00	3.08	11.90		
293+00.00	10.27	0.00		
293+50.00	11.03	0.00		
294+00.00	12.80	11.33		
294+50.00	11.21	0.00		
295+00.00	11.50	0.00		
295+50.00	13.69	0.00		
296+00.00	17.87	0.00		
296+50.00	14.60	0.00		
297+00.00	16.81	0.00		
297+50.00	13.98	0.00		
298+00.00	16.30	0.03		
298+50.00	22.75	0.00		
299+00.00	22.06	0.01		
299+50.00	21.79	0.00		
300+00.00	14.80	0.00		
300+50.00	9.96	0.00		
301+00.00	9.66	0.00		
301+50.00	1.89	0.00		
302+00.00	0.00	0.00		
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MARCH 22, 2021

REHABILITATE TAXIWAY A PAVEMENT AND LIGHTING -PHASE 1; INSTALL NEW AIRPORT ROTATING BEACON AND TOWER

OWNER

CITY OF TAYLORVILLE TAYLORVILLE MUNICIPAL AIRPORT TAYLORVILLE, IL

MARK DATE DESCRIPTION
AIP PROJECT: 3-17-SBGP-139/144/156/162

IL PROJECT: TAZ-4842 CONTRACT: TA007

 CMT PROJECT NO:
 200050-01

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