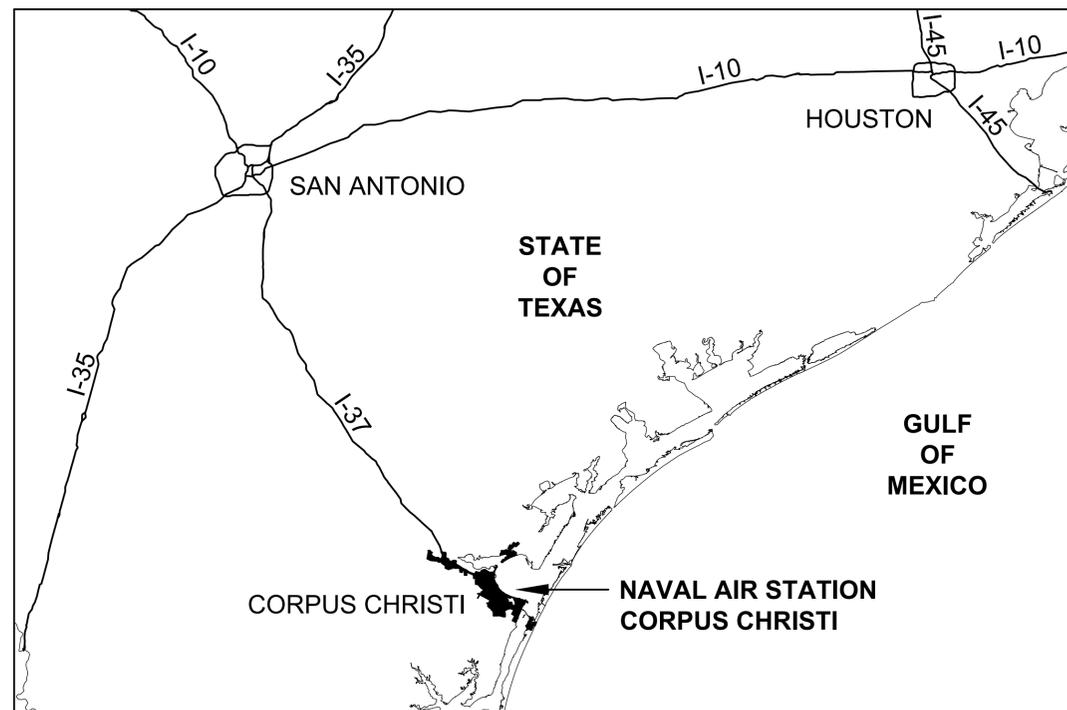


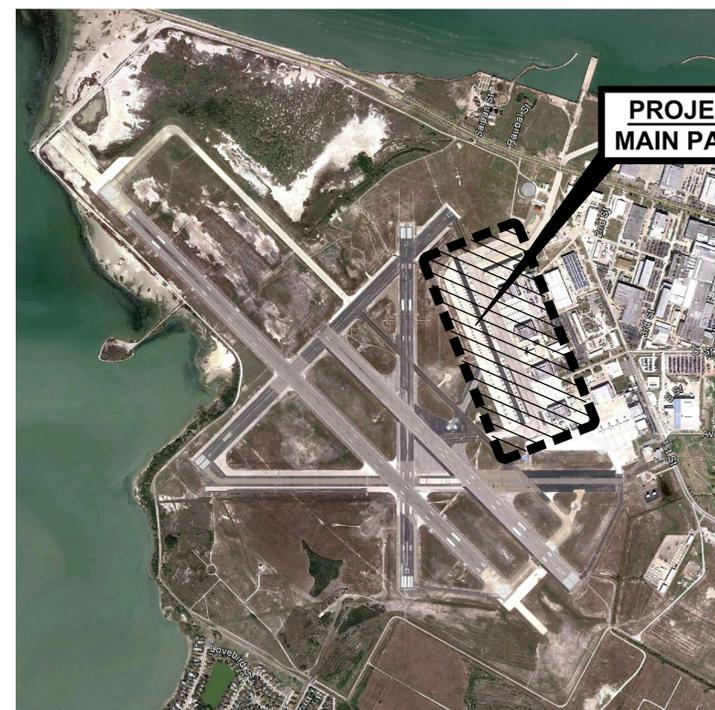
# NAS CORPUS CHRISTI AIRFIELD REPAIRS

## MAIN PARKING APRON

NAVAL AIR STATION CORPUS CHRISTI  
CORPUS CHRISTI, TEXAS



**AREA MAP**



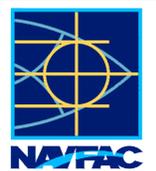
**SITE MAP**

**N69450-15-R-0614**  
**ISSUED FOR BID**

8 JUNE 2015

FILE NAME: P:\CIVIL\1641-CORPUS CHRISTI\NAS\_Corpus\_Christi\_Airfield\_Repair\20\_DESIGN\10\_DRAWING\134680-05-0001.dwg LAYOUT NAME: COVER SHEET PLOTTED: Tuesday, June 09, 2015 - 12:24pm USER: jboschjrz

COMMANDER NAVFAC / B.L.T.L. -	xxx	IPT TECH. BRANCH HEAD -	xxx	DESIGN ARCHITECT -	xxx	DESIGN MECHANICAL -	xxx	DESIGN CIVIL -	xxx	CHIEF ARCHITECT- RAYMOND RODRIGUEZ, R.A.	CHIEF MECHANICAL - STAN YEKALIS, P.E.	CHIEF CIVIL - ALBERT ROMERO, P.E.
IPT PROJECT MANAGER -	xxx			DESIGN STRUCTURAL -	xxx	DESIGN ELECTRICAL -	xxx	DESIGN FIRE PROTECTION -	xxx	CHIEF STRUCTURAL - KURT W. WITTMAN, P.E.	CHIEF ELECTRICAL - RAMÓN H. FLORES, P.E.	CHIEF FIRE PROTECTION-TAYLOR HUDSON, P.E.

SYMBOL	DESCRIPTION	DATE
0	ISSUED FOR BID	8 JUN 15
    APPROVED FOR COMMANDER NAVFAC ACTIVITY SATISFACTORY TO DATE DES CLM   DRW GLH   CHK HWM PM / DM BRANCH MANAGER CHIEF ENG / ARCH FIRE PROTECTION DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST NAVAL AIR STATION JACKSONVILLE CIBL CORE NAS CORPUS CHRISTI NAS CORPUS CHRISTI AIRFIELD REPAIRS MAIN PARKING APRON COVER SHEET		
SCALE: NTS PROJECT NO.: CONSTR. CONTR. NO.: NAVFAC DRAWING NO.: 15095314 SHEET 1 OF 117 <b>GI001</b> <small>DRAWFORM REVISION: 5 APRIL 2012</small>		



**SURVEY NOTES**

- HORIZONTAL COORDINATES AND ELEVATIONS ARE IN UNITED STATES SURVEY FEET. HORIZONTAL CONTROL IS BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM (SOUTH ZONE 4205), (NAD 1983). ELEVATIONS ARE IN FEET ABOVE SEA LEVEL USING THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88).
- HORIZONTAL AND VERTICAL DATUMS ARE BASED ON CONTROL POINTS PROVIDED BY CORPUS CHRISTI N.A.S. PUBLIC WORKS DEPT. POINTS USED WERE: "CCNAS 3", "CCNAS 4", "CCNAS 6" AND "CCNAS 8"
- THE AVERAGE COMBINED SCALE FACTOR FOR THE PROJECT IS: 0.9999713086
- LOCATION OF UNDERGROUND UTILITIES THAT COULD NOT BE FIELD LOCATED WERE TRANSFERRED FROM G.I.S. FILES PROVIDED BY CORPUS CHRISTI N.A.S. PUBLIC WORKS DEPT. OTHER UTILITIES MAY EXIST IN THE PROJECT AREA.
- THE SURVEY WEST OF RUNWAY 17-35 WAS PERFORMED BY LEIDOS ENGINEERING, LLC. THIS SURVEY BEGAN ON SEPTEMBER 26, 2013 AND WAS COMPLETED OCTOBER 4, 2013. THE SURVEY EAST OF RUNWAY 17-35 WAS PERFORMED BY NAISMITH ENGINEERING, INC. THIS SURVEY BEGAN ON JANUARY 13, 2015 AND WAS COMPLETED MARCH 18, 2015. SURVEY HAS BEEN SUPPLEMENTED WITH G.I.S. DATA PROVIDED BY CORPUS CHRISTI N.A.S. PUBLIC WORKS DEPARTMENT.

**UNDERGROUND UTILTIY NOTES:**

- THE LOCATIONS OF ALL UNDERGROUND UTILITIES ARE APPROXIMATE.
- ALL UNDERGROUND UTILITIES SHALL BE FIELD VERIFIED AND MARKED PRIOR TO EXCAVATION, BORING, PROBING OR DRILLING.
- THE LOCATION OF UNDERGROUND UTILITIES IS BASED ON SURFACE EVIDENCE AND/OR SURFACE STRUCTURES IN COMBINATION WITH INFORMATION PROVIDED TO THE SURVEYOR SUCH AS DESIGN AND/OR AS-BUILT DRAWINGS.
- NO EXCAVATION, PROBING, NOR OTHER FORM OF SUBSURFACE EXPLORATION WAS PERFORMED TO LOCATE OR VERIFY UNDERGROUND UTILITIES OR STRUCTURES.
- THE ACTUAL LOCATIONS OF UNDERGROUND UTILITIES AND/OR STRUCTURES MAY VARY FROM THE LOCATIONS SHOWN HEREON.
- ADDITIONAL UNDERGROUND UTILITIES AND/OR STRUCTURES MAY BE PRESENT; i.e. SOME UTILITIES AND/OR STRUCTURES MAY BE MISSING FROM THESE DRAWINGS.

**BENCHMARKS AND CONTROL POINTS**

<p><b>"BM1"</b> FND. PK NAIL W/TAG N=17141318.59 E=1373525.07 ELEV=16.33</p>	<p><b>"BM 12"</b> SET 1/2" CAPPED IRON PIN N=17140873.21 E=1376163.74 ELEV=15.50</p>
<p><b>"BM2"</b> FND. PK NAIL W/TAG N=17141515.70 E=1373415.10 ELEV=16.56</p>	<p><b>"BM 15"</b> SET 1/2" CAPPED IRON PIN N=17141178.26 E=1375526.33 ELEV=15.44</p>
<p><b>"BM 11"</b> SET 1/2" CAPPED IRON PIN N=17141873.22 E=1376153.61 ELEV=16.30</p>	<p><b>"BM16"</b> SET 1/2" capped iron pin N=17141168.34 E=1374526.56 ELEV=15.09</p>
<p><b>"CP 01"</b> FD SQ CUT, 110, N=17142983.89 E=1379073.71 ELEV=12.74</p>	<p><b>"CP 02"</b> S60D NAIL, 116, N=17146116.52 E=1371248.34 ELEV=2.71</p>
<p><b>"CP 03"</b> FD X-MARK, 111, N=17142380.96 E=1378190.24 ELEV=14.34</p>	<p><b>"CP 04"</b> S60D NAIL, 117, N=17146301.99 E=1371472.14 ELEV=4.25</p>

BENCHMARKS AND CONTROL POINTS ARE SHOWN ON THE MASTER SITE PLAN, SHEET G1100. THEY ARE ALSO SHOWN ON SPECIFIC PLAN SHEETS WHERE THEY OCCUR.

**GENERAL NOTES**

- THIS PROJECT IS COMPRISED OF PAVEMENT REHABILITATION OF THE EXISTING CONCRETE AND ASPHALT APRONS, TAXIWAY REALIGNMENT, NEW TAXIWAY FILLETS, NEW AIRFIELD LIGHTING, AND NEW APRON STRIPING.
- THIS PROJECT IS TO BE CONDUCTED CONCURRENTLY WITH OTHER PHASE 1 PROJECTS IN ACCORDANCE WITH THE PROJECT PHASING PLAN.
- THE CONTRACTOR IS RESPONSIBLE FOR RECONNOITERING THE SITE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION TO IDENTIFY ITEMS BEYOND THOSE SHOWN HEREIN WHICH REQUIRE PROTECTION. DAMAGE TO ITEMS CAUSED BY THE CONTRACTOR DURING CONSTRUCTION MUST BE REPAIRED AT HIS/HER EXPENSE AND IN A MANNER APPROVED BY THE CONTRACTING OFFICER.
- PROTECT ALL GOVERNMENT PROPERTY WITHIN THE PROJECT LIMITS. IN THE EVENT THAT DAMAGE IS INCURRED DURING THE PROJECT DURATION, PROVIDE A COMPARABLE REPLACEMENT OR REPAIR AT NO COST TO THE GOVERNMENT.
- TO ALLOW SUFFICIENT TIME FOR ISSUANCE OF REQUIRED ADVISORIES OF CLOSURE FOR THE AFFECTED RUNWAYS AND TAXIWAYS, THE CONTRACTING OFFICER MUST BE PROVIDED A MINIMUM OF THREE (3) WORKING DAYS ADVANCE NOTICE.
- THE EXISTENCE, SIZE AND/OR LOCATION OF UTILITIES ARE NOT GUARANTEED BY THIS SURVEY. FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. A DIG PERMIT MUST BE OBTAINED FROM THE CONTRACTING OFFICER PRIOR TO CONSTRUCTION. PRACTICE CAUTION WHILE PERFORMING DEMOLITION AROUND EXISTING UTILITIES TO REMAIN.
- COORDINATE ALL WORK WITH CONTRACTING OFFICER IN ORDER TO MINIMIZE THE IMPACT OF THIS PROJECT ON STATION OPERATIONS.
- MAINTAIN, BY SWEEPING, VACUUMING, AND/OR OTHER APPROVED MEANS, ACTIVE AIRFIELD PAVEMENT (RUNWAY, TAXIWAYS, AND PARKING APRONS BEING UTILIZED BY AIRCRAFT) AND HAUL ROUTES WITHIN THE NAVAL AIR STATION, FREE OF CONSTRUCTION MATERIALS, DIRT, ROCKS OR OTHER DEBRIS DURING THE LIFE OF THIS PROJECT. ALL TRUCKS MUST BE COVERED WHEN HAULING TO MINIMIZE HAZARD FROM FALLING OBJECTS.
- AREAS DISTURBED BY CONTRACTOR, WHICH ARE NOT PART OF THE PROJECT MUST BE RETURNED TO THEIR ORIGINAL OR IMPROVED CONDITIONS AT COMPLETION OF THE PROJECT.
- AT THE COMPLETION OF THIS PROJECT, THE AREAS UTILIZED FOR LAY-DOWN AND FOR CONSTRUCTION HAUL ROUTES MUST BE RETURNED TO THEIR ORIGINAL OR IMPROVED CONDITION. HAUL ROUTES AND LAY-DOWN AREAS SHALL BE COORDINATED AND APPROVED BY THE CONTRACTING OFFICER.
- REMOVE DEBRIS/TRASH FROM THE STATION PROMPTLY AND DISPOSE OF AT AN OFF-STATION DUMP SITE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL AGENCIES LAWS AND REGULATIONS.
- TAKE APPROPRIATE MEASURES TO CONTROL DUST FROM EXITING THE WORK AREA.
- PROVIDE A BACK-FLOW PREVENTER AND CONNECTIONS. THE GOVERNMENT WILL PROVIDE REASONABLE AMOUNTS OF WATER AND SEWER AT NO COST. LARGE AMOUNTS WILL BE PROVIDED AT A REASONABLE COST. COORDINATE WITH THE CONTRACTING OFFICER.
- TEMPORARY BENCHMARKS ARE LOCATED THROUGHOUT THE PROJECT AND ARE SHOWN ON THIS SHEET. FOR HORIZONTAL CONTROL, REFER TO THIS SHEET.
- UNLESS OTHERWISE INDICATED, ALL PAVEMENT MARKINGS TO MEET THE REQUIREMENTS OF THE FAA ADVISORY CIRCULAR 150/5340 (CURRENT EDITION AT TIME OF BID), LATEST EDITION OF NAVAIR 51-50AAA, AND SPECIFICATION SECTION 32 17 23.
- WHERE APPLICABLE, FOR STABILIZATION PURPOSES, A MINIMUM 15-FOOT WIDE STRIP OF FLORATAM BERMUDA SOD TO BE PLACED ADJACENT TO ALL PAVEMENT. ALL OTHER AREAS DISTURBED DURING CONSTRUCTION MUST BE EITHER SODDED OR HYDROSEEDDED.
- EXISTING STRIPING SHOWN OUTSIDE OF THE APRON AREAS WERE LOCATED USING AERIAL PHOTOGRAPHY AND THEIR EXACT LOCATION MAY VARY.
- IF DAMAGE OCCURS TO EXISTING SEAL DUE TO HIGH PRESSURE PAINT REMOVAL OPERATIONS, REPAIR THE SEAL AS DIRECTED.
- EXISTING PAVEMENT TO BE DEMOLISHED AS SHOWN ON SHEETS CD101-CD125 TO BE SAWCUT FULL-DEPTH WITH THE REMAINING PAVEMENT PROTECTED.
- INSTALL SILT FENCE AROUND THE PERIMETER OF THE PROJECT SITE AND SILT FENCE WITH STRAW BALES AROUND ALL INLETS SHOWN ON PLANS.
- DEMOLISHED AND/OR MILLED ASPHALT CAN BE USED TO STABILIZE HAUL ROADS, OR PLACED AS DIRECTED BY THE CONTRACTING OFFICER IN AREAS NEAR OR ON THE AIRFIELD, AT A MAXIMUM OF ONE MILE IN DISTANCE. THE REMAINDER WILL BECOME PROPERTY OF THE CONTRACTOR AND REMOVED AFTER INSTALLATION.
- NO DEMOLITION SHALL OCCUR OUTSIDE OF PROPOSED CONSTRUCTION LIMITS.
- FIELD VERIFY EXACT AREA OF EXISTING ASPHALT TO BE REMOVED.

**GENERAL NOTES (CONT'D)**

- REMOVE ALL EXISTING STRIPING ON THE EXISTING ASPHALT PAVEMENT THAT IS TO REMAIN IAW SPECIFICATION 32 01 11.51
- INADVERTENTLY DAMAGED ITEMS THAT ARE TO REMAIN SHALL BE, AT THE DISCRETION OF THE CONTRACTING OFFICER, EITHER REPAIRED TO PRESENT CONDITION OR BETTER, OR REPLACED ENTIRELY. REPAIR/REPLACEMENT COSTS SHALL BE BORNE BY THE CONTRACTOR.
- CONCRETE JOINTS:**
  - THE MINIMUM CLEARANCE BETWEEN DOWELS OF ADJACENT JOINTS SHALL BE 2 INCHES.
  - CONTRACTOR SHALL DETERMINE FINAL NUMBER OF REQUIRED DOWELS AND VERIFY DOWEL SPACING PRIOR TO PLACING CONCRETE. DOWEL AND TIE BAR PLACEMENT SHALL CONFORM TO SPECIFICATION SECTION 32 13 11.
  - REPLACING EXISTING JOINT SEALS SHALL NOT BEGIN UNTIL ALL EXISTING PAVEMENT MARKINGS HAVE BEEN REMOVED TO THE SATISFACTION OF THE GOVERNMENT.
  - LENGTH TO WIDTH RATIOS SHALL NOT EXCEED 1.25 FOR NON-REINFORCED CONCRETE.
  - JOINT TYPE AND LOCATIONS ARE BASED ON UFC 3-260-02.
- NEW MOORING EYES/AIRCRAFT TIE-DOWNS:**
  - MOORING EYES IN NEW CONCRETE SHALL BE PLACED IN THE CENTER OF THE NEW CONCRETE PANEL UNLESS OTHERWISE NOTED.
  - FOR NEW AIRCRAFT TIE-DOWNS IN EXISTING CONCRETE PAVEMENT, CONTRACTOR SHALL MOVE THE LOCATION SHOWN IN THE PLANS SHOULD THE TIE-DOWN FALL WITHIN 3 FOOT OF AN EXISTING JOINT.
- NEW PAVEMENT THICKNESS SHOWN IN THESE PLANS HAS BEEN TAKEN FROM AVAILABLE AS-BUILT DRAWINGS AND THE "AIRFIELD PAVEMENT CONDITION SURVEY," SSR-NAVAC SE-CI-1302, PERFORMED BY THE AIRFIELD PAVEMENT EVALUATION TEAM DURING APRIL 2013, CONTRACTOR SHALL CONSTRUCT PAVEMENT THICKNESS AS SHOWN IN THE PLANS OR MATCH EXISTING THICKNESS, WHICHEVER IS GREATER.

	ASPHALT REPAIR
	SPALL REPAIR
	CONCRETE REPLACEMENT
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	MAJOR CONTOUR
	MINOR CONTOUR
	EXISTING STORM DRAIN
	EXISTING UG ELECTRIC
	EXISTING WATER
	INSTALL SILT FENCE WITH STRAW BALES (TYP.)
	LIMITS OF STRIPING REMOVAL
	FULL DEPTH SAW CUT.
	CIVIL LIMITS OF DISTURBANCE / LIMIT OF WORK
	EXISTING JOINT
	NEW JOINT IN CONCRETE
	NEW CONTRACTION JOINT IN EXISTING CONCRETE
	LIMITS OF PHASING

**LEGEND**

	EXISTING ELECTRIC MANHOLE
	EXISTING ELECTRIC PULL BOX
	EXISTING GROUND LIGHT
	EXISTING VERTICAL RUNWAY LIGHT
	EXISTING FLUSH RUNWAY LIGHT
	EXISTING ELECTRIC VAULT
	EXISTING SIGN
	EXISTING GRATE INLET
	EXISTING DRAINAGE MH WITH GRATE
CONC	EXISTING CONCRETE
EC	EXISTING EDGE OF CONCRETE
EP	EXISTING EDGE OF PAVEMENT
EOR	EXISTING EDGE OF ROAD
FC	EXISTING FENCE
SE	EXISTING SPOT ELEVATION
PS	EXISTING PAINT STRIPE
	LIGHT
	LIGHT
	PULLCAN
	CAPPED IRON PIN
	PK NAIL
	MONUMENT
	BENCHMARK / CONTROL POINT

DATE	8 JUN 15
SYMBOL DESCRIPTION	ISSUED FOR BID
APPROVED FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO DATE	
DES CLM   DRW GLH   CHK HSM	
PM / DM	
BRANCH MANAGER	
CHIEF ENG / ARCH	
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST NAVAL AIR STATION JACKSONVILLE NAS CORPUS CHRISTI, TEXAS NAS CORPUS CHRISTI AIRFIELD REPAIRS MAIN PARKING APRON GENERAL NOTES AND LEGEND	
SCALE: AS NOTED	
PROJECT NO.:	
CONSTR. CONTR. NO.:	
NAVFAC DRAWING NO. 15095316	
SHEET 3 OF 117	
<b>G1003</b>	
<small>DRAWFORM REVISION: 5 APRIL 2012</small>	

FILE NAME: P:\CD\1641-000\1546800\_1NS\_Corpus\_Christi\_Airfield\_Repair\20\_DESIGN\00\_GD\01\1346800-00-000.dwg LAYOUT NAME: GENERAL NOTES AND LEGEND PLOTTED: Tuesday, June 09, 2015 - 12:24pm USER: jacksonm2

1

2

3

4

5

1

2

3

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5

D

D

C

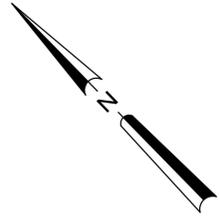
C

B

B

A

A



OCEAN DRIVE

US COAST GUARD

GATE 13

FUEL TANK PARKING

AIRFIELD LIGHTING VAULT BUILDING 1241

MAIN PARKING APRON

1ST STREET

USCBP APRON

ARFF

FUEL FARM

RUNWAY 17 & 22 NAVAIDS

RUNWAY 17-35

BASE OPS

TRANSIENT APRON

WASH RACK TWY W

GATE 19

TWY Y

RUNWAY 4-22

RUNWAY 13L-31R

TWY B

TWY Y

TWY A

TWY R

TWY Y

TWY Y1

RUNWAY 13R APPROACH LIGHTS REPAIR

RUNWAY 13R-31L

RUNWAY 13R-31L

PAR

TWY E (MIDFIELD)

ILS LOCALIZER ANTENNA

RUNWAY 4-22

TWY E (WEST)

RUNWAY 35 NAVAIDS

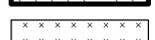
RUNWAY 17-35

TWY Z

TACAN

FLOUR BLUFF GATE 7

### LEGEND

-  TWY E (WEST) - WORK AREA
-  TWY E (MIDFIELD) - WORK AREA
-  TWY E (EAST) - WORK AREA
-  APRON - WORK AREA
-  APPROACH LIGHT - WORK AREA
-  TWY Z - WORK AREA

RUNWAY 4 NAVAIDS

NOTE:  
SEE PHASING LAYOUT & MASTER SITE PLAN FOR HAUL ROUTES & STAGING AREAS.



ISSUED FOR BID	0	DATE	8 JUN 15
DESCRIPTION			



**leidos**  
LEIDOS ENGINEERING, LLC  
ONE WEST 3RD ST.  
TULSA, OK 74103

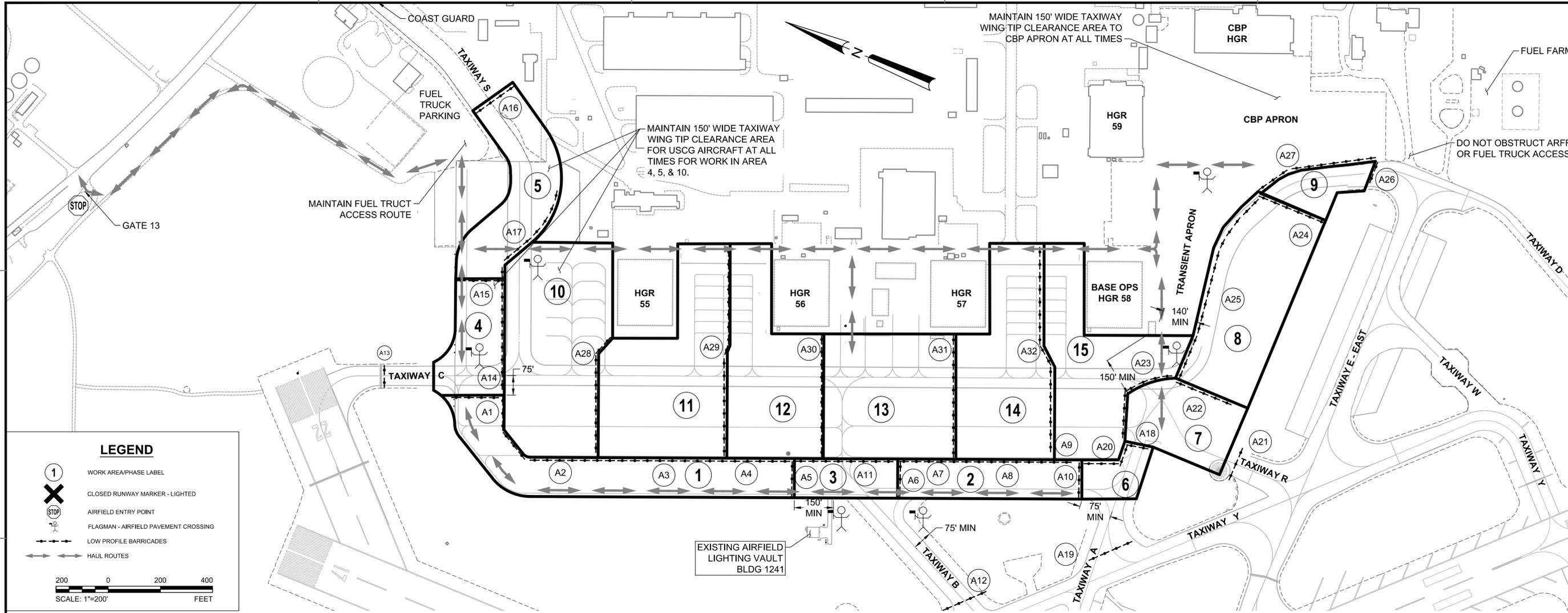
**DELTA AIRPORT CONSULTANTS, INC.**  
9711 Foster Court, Suite 100  
Richmond, Virginia 23234  
phone: (804) 275-8301 • fax: (804) 275-8371  
www.deltaairportconsultants.com  
Delta Project No. 14072 A&S&P

APPROVED	
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO DATE	
DES	MWK   drw MRM   chk JMM
PROJECT MANAGER	
IP/T TECH BRANCH HEAD	
CHIEF ENGINEER (CORE)	

DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING COMMAND  
NAVAL FACILITIES ENGINEERING SOUTHEAST  
NAVAL AIR STATION JACKSONVILLE  
CIBL CORE  
NAS CORPUS CHRISTI  
CORPUS CHRISTI, TEXAS  
**NAS CORPUS CHRISTI AIRFIELD REPAIRS  
MAIN PARKING APRON**  
PHASE 1 MASTER PHASING PLAN

SCALE: 1"=400'  
EPROJCT NO.:  
CONSTR. CONTR. NO.  
NAVFAC DRAWING NO.: 15095317  
SHEET 4 OF 117  
**GI004**  
DRAWFORM REVISION: 5 APRIL 2012

FILE NAME: N:\14072\04 CAD\05-Apron\130243-G-0004.dwg LAYOUT NAME: G004 PLOTTED: Tuesday, June 09, 2015 - 9:54am USER: mm



**LEGEND**

- 1 WORK AREA/PHASE LABEL
  - X CLOSED RUNWAY MARKER - LIGHTED
  - STOP AIRFIELD ENTRY POINT
  - FLAGMAN - AIRFIELD PAVEMENT CROSSING
  - LOW PROFILE BARRICADES
  - HAUL ROUTES
- 200 0 200 400  
SCALE: 1"=200' FEET

**CLOSURE MARKER & BARRICADE SCHEDULE - SEE PHASING NOTES FOR WORK AREA SEQUENCE**

<p><b>WORK AREA 1:</b> A1 - INSTALL 75' MIN FROM TWY C CENTERLINE A2 A3 A4 A5 - INSTALL 75' MIN FROM TWY B CENTERLINE</p> <p><b>WORK AREA 2:</b> A6 - INSTALL 75' MIN FROM TWY B CENTERLINE A7 A8 A9 A10</p> <p><b>WORK AREA 3:</b> A5 A6 A11</p> <p><b>WORK AREA 4:</b> A1 - INSTALL 25' MIN FROM WORK AREA A13 A14 - INSTALL AT TWY EDGE LINE A15</p> <p><b>WORK AREA 5:</b> A15 A16 A17</p>	<p><b>WORK AREA 6:</b> A10 A18 A19 A20</p> <p><b>WORK AREA 7:</b> A18 A21 A22 - MAINTAIN 150' WIDE WING TIP CLEARANCE A23 - MAINTAIN 150' WIDE WING TIP CLEARANCE</p> <p><b>WORK AREA 8:</b> A22 A24 A25 - MAINTAIN 140' WIDE WING TIP CLEARANCE</p> <p><b>WORK AREA 9:</b> A24 A26 A27 - INSTALL AT TWY D EDGE</p> <p><b>WORK AREA 10:</b> A2 A14 A17 A28</p> <p><b>WORK AREA 11:</b> A3 A28 A29</p>	<p><b>WORK AREA 12:</b> A4 A5 A29 A30</p> <p><b>WORK AREA 13:</b> A7 A11 A30 A31</p> <p><b>WORK AREA 14:</b> A8 A31 A32</p> <p><b>WORK AREA 15:</b> A9 A20 A23 A32</p>
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**WORK AREA IMPACT SUMMARY**

- |  |  |
|--|--|
| 1: ESTABLISH TWY C AT NW APRON EDGE        | 25 TO 50 PARKING SPOTS   |
| 2: ESTABLISH TWY C AT SW APRON EDGE        | 12 TO 25 PARKING SPOTS   |
| 3: TAXIWAY C AND B INTERSECTION            | TAXIWAY B CLOSED   |
| 4: ESTABLISH TWY S AT NORTH APRON EDGE     | TAXIWAY C CLOSED, PARKING SPOTS IN AREAS 4, 5, & 10  |
| 5: TAXIWAY S TIE-IN                        | 10 PARKING SPOTS. TEMPORARY TAXIWAY S DIVERSION, TAXIWAY S CLOSURE REQUIRED'S COAST GUARD RELOCATION |
| 6: TAXIWAY C AND A INTERSECTION            | TAXIWAY A CLOSED   |
| 7: TAXIWAY D AND R INTERSECTION            | TAXIWAY R CLOSED   |
| 8: ESTABLISH TAXIWAY D AT SOUTH APRON EDGE | TAXIWAY D CLOSED, TRANSIENT APRON RESTRICTED   |
| 9: TAXIWAY D AT CBP APRON                  | TAXIWAY DIVERSION CBP APRON PARKING RESTRICTED   |
| 10-15: PARKING APRON AREAS                 | TRANSIENT APRON RESTRICTED<br>20 TO 30 PARKING SPOTS & HANGAR ACCESS                                 |

**NOTES:**

- BARRICADE LOCATIONS USED FOR MULTIPLE WORK AREA. MINOR RELOCATIONS FOR MOVING TO ADJACENT WORK AREAS NOT SHOWN FOR CLARITY.
- NO EQUIPMENT SHALL BE PARKED WITH 25' OF A WORK AREA BARRICADE LINE.
- SEE MASTER SITE PLAN FOR STAGING AREAS.

DATE: 8 JUN 15	APPR:
ISSUED FOR BID	DATE:
0	SYMBOL DESCRIPTION:
APPROVED FOR COMMANDER NAVFAC ACTIVITY SATISFACTORY TO DATE DES: MWK   DRW: MRM   CHK: JMM PROJECT MANAGER IPT TECH. BRANCH HEAD CHIEF ENGINEER (CORE)	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND SOUTH EAST NAVAL AIR STATION JACKSONVILLE CBEL CORE NAS CORPUS CHRISTI NAS CORPUS CHRISTI CORPUS CHRISTI, TEXAS <b>MAIN PARKING APRON PHASING LAYOUT</b>	PROJECT NO.: CONSTR. CONTR. NO. NAVFAC DRAWING NO.: <b>15095318</b> SHEET: 5 OF 117 <b>GI005</b> <small>DRAWING REVISION: 5 APRIL 2012</small>

FILE NAME: N:\14072\04 CAD\05-Apron\130243-C-0005.dwg LAYOUT NAME: GI005 PLOTTED: Tuesday, June 09, 2015 - 9:54am USER: mm

GENERAL PHASING NOTES

- 1. THIS PROJECT WILL BE CONDUCTION DURING ACTIVE FLYING OPERATIONS INCLUDING STUDENT TRAINING. STRICT COMPLIANCE TO THE PHASING PLAN AND RESTRICTIONS IS REQUIRED.
2. TAXIWAY AND APRON WORK AREAS WILL BE CLOSED TO AIRCRAFT FOR EACH WORK PERIOD. THE EDGE LIGHTS ON CLOSED AREAS WILL BE DEACTIVATED.
3. WORK OFF PAVEMENT AND OUTSIDE OF RUNWAY SHOULDER LIMITS-200' FROM EDGE, & TAXIWAY WINGTIP CLEARANCE LIMITS-75' FROM TAXIWAY/TAXILANE CENTERLINE CAN BE CONDUCTED DURING THE ENTIRE PROJECT DURATION IF NO OPERATIONAL IMPACT IS REQUIRED. ANY ACTIVE HAULING ACROSS TAXIWAYS WILL REQUIRE FLAGMEN AND SWEEPER/VACUUMS TO PREVENT FOD.
4. CLOSED TAXIWAYS WILL BE BARRICADED WITH LOW PROFILE WATER FILLED AND LIGHTED AVIATION BARRICADES. BARRICADES WILL BE RELOCATED AND REUSED.
5. SEE PLANS FOR MINIMUM CLEARANCE DISTANCES FROM OPEN TAXIWAYS.
6. ACCESS TO THE RUNWAYS MUST BE MAINTAINED AT ALL TIMES FOR US COAST GUARD AND USCBP AIRCRAFT. CLOSURE OF TAXIWAY S OF ANY DURATION IN WHICH A 50' WIDE PAVED TAXILANE AND 150' WING TIP CLEARANCE CANNOT BE PROVIDED TO THE RUNWAYS REQUIRES A MINIMUM 72 HOUR ADVANCE NOTICE & APPROVAL OF THE CONTRACTING OFFICER.
7. THE DURATIONS SHOWN FOR EACH WORK AREA ARE APPROXIMATE UNLESS NOTED AS A MAXIMUM OR REQUIRED MILESTONE TIME PERIOD.

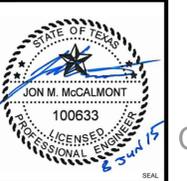
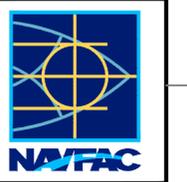
WORK AREA NOTES

- 1. THE MAIN APRON WORK AREAS ARE ORGANIZED TO LIMIT LOSS OF PARKING AND MAINTAIN ACCESS TO SUFFICIENT PARKING AREAS AND MAINTENANCE HANGARS.
2. AIRFIELD IMPACTS SUMMARY. THESE FACILITIES WILL BE IMPACTED DURING THE SUBPROJECT.
A. TAXIWAY A CLOSED - BETWEEN TAXIWAY AND APRON
B. TAXIWAY B CLOSED
C. TAXIWAY C CLOSED - PARTIAL SECTIONS
D. TAXIWAY D CLOSED - PARTIAL SECTIONS
E. TAXIWAY R CLOSED
F. TAXIWAY S TEMPORARY DIVERSION
G. TRANSIENT APRON PARKING
H. CBP APRON PARKING
3. WORK AREA DESCRIPTIONS
WORK AREA 1: NORTHWEST APRON EDGE - TAXIWAY C RELOCATION
IMPACTS: APPROXIMATELY 28 PARKING SPOTS ALONG NORTHWEST APRON BETWEEN TAXIWAY C AND TAXIWAY B.
WORK: REPAIR PAVEMENTS, REPLACE EDGE LIGHTS, RELOCATE TAXIWAY C TO APRON EDGE.
DURATION: 45 DAYS
WORK AREA 2: SOUTH WEST APRON EDGE BETWEEN TAXIWAY A AND B.
IMPACTS: APPROXIMATELY 14 PARKING SPOTS ALONG SOUTHWEST APRON BETWEEN TAXIWAY B AND TAXIWAY A.
WORK: REPAIR PAVEMENTS, REPLACE EDGE LIGHTS, RELOCATE TAXIWAY C TO APRON EDGE.
DURATION: 30 DAYS
WORK AREA 3: APRON INTERSECTION WITH TAXIWAY B.
IMPACTS: APPROXIMATELY 10 PARKING SPOTS NEAR TAXIWAY B INTERSECTION. TAXIWAY B CLOSED.
WORK: REPAIR PAVEMENTS, REPLACE EDGE LIGHTS. CONFIGURE TAXIWAY C AND B INTERSECTION.
DURATION: 21 DAYS
WORK AREA 4: NORTH APRON EDGE AND TAXIWAY C INTERSECTION.
IMPACTS: TAXIWAY C CLOSED BETWEEN RUNWAY 4-22 AND APRON. APPROXIMATELY 4 PARKING SPOTS.
WORK: REPAIR PAVEMENTS. WIDEN TAXIWAY C FILLET. REPLACE EDGE LIGHTS.
DURATION: 30 DAYS
WORK AREA 5: TAXIWAY S RELOCATION
IMPACTS: TAXIWAY S OBSTRUCTED TEMPORARILY. CONTRACTOR MUST MAINTAIN A 50' WIDE TAXILANE PAVEMENT SURFACE OUTLINED WITH LIGHTED BARRICADES AND 120' OF WINGTIP CLEARANCE FOR AIRCRAFT TAXIING WITH FIVE MINUTES NOTICE.
WORK: PAVEMENT REPAIRS, RELOCATE LIGHTING AND STRIPING.
DURATION: 30 DAYS
WORK AREA 6: SOUTHWEST APRON EDGE, TAXIWAY C, AND A INTERSECTION
IMPACTS: APPROXIMATELY 4 PARKING SPOTS. TAXIWAY A CLOSED.
WORK: PAVEMENT REPAIRS, TAXIWAY FILLET WIDENING, EDGE LIGHT AND STRIPING RELOCATION.
DURATION: 21 DAYS
WORK AREA 7: TAXIWAY R INTERSECTION WITH SOUTH APRON
IMPACTS: APPROXIMATELY 8 PARKING SPOTS. TAXIWAY R (COMPASS ROSE) CLOSED.
WORK: PAVEMENT REPAIRS, FILLET WIDENING, EDGE LIGHT AND STRIPING RELOCATION.
DURATION: 21 DAYS
WORK AREA 8: SOUTH APRON EDGE TAXIWAY D RELOCATION
IMPACTS: TRANSIENT APRON PARKING AREA RESTRICTED. TAXIWAY D BETWEEN TAXIWAY R AND CBP APRON CLOSED.
WORK: PAVEMENT REPAIRS, FILLET WIDENING, EDGE LIGHT AND STRIPING RELOCATION.
DURATION: 21 DAYS
WORK AREA 9: TAXIWAY D AT SOUTHEAST APRON EDGE AND CBP APRON
IMPACTS: TAXIWAY D DIVERSION ONTO CBP APRON. CBP APRON PARKING RESTRICTED. TRANSIENT APRON PARKING RESTRICTED.
WORK: PAVEMENT REPAIRS, FILLET WIDENING, EDGE LIGHT AND STRIPING RELOCATION.
DURATION: 21 DAYS
WORK AREAS 10-15: MAIN APRON PARKING APRONS
IMPACTS: VARYING NUMBERS OF PARKING SPOTS AND HANGAR ACCESS
WORK: PAVEMENT REPAIRS, TIE-DOWN AND GROUNDING INSTALLATION AND STRIPING.
DURATION: APPROXIMATELY 30 DAYS PER WORK AREA.

SUBPROJECT PHASING NOTES

- 1. THIS SUBPROJECT INVOLVES REPAIR AND RECONFIGURATION OF THE MAIN PARKING APRON. THE WORK INCLUDES RELOCATION OF TAXIWAY C, D, AND S TO THE APRON EDGE AND FILLET WIDENING. STRIPING AND EDGE LIGHTING WILL BE REPLACED FOR TAXIWAYS AND APRON AREAS IN THIS SUBPROJECT.
2. AT ALL TIMES ACCESS TO THE RUNWAYS SHALL NOT BE BLOCKED FOR THE USCG AIRCRAFT ON TAXIWAY S AND USCBP AIRCRAFT ON TAXIWAY D. A MINIMUM 150' WIDE CLEAR AND MARKED TAXILANE IS REQUIRED DURING WORK IN AREAS 4, 5, AND 9 TO PROVIDE ACCESS TO THE RUNWAYS FOR OPERATIONAL MISSIONS.
3. WORK SEQUENCE IS INTENDED TO BE IN THE ORDER OF 1 THROUGH 9 TO RELOCATE THE TAXIWAYS TO THE APRON EDGE. SEQUENCE OF WORK AREAS 10-15 CAN BE VARIED IN THE CONTRACTORS WORK PLAN. THE CONTRACTOR SHALL PROVIDE A SCHEDULE PRIOR TO THE START OF THIS SUBPROJECT TO SLOW THE INTENDED SEQUENCE AND DURATION OF EACH WORK AREA.
4. CONTRACTOR SHALL NOT CROSS ACTIVE RUNWAYS DURING THIS PROJECT. ACTIVE TAXIWAY AND TAXILANE CROSSINGS REQUIRE A TRAINED RADIO EQUIPPED FLAGMAN AND SWEEPER/VACUUM TRUCK DURING ALL HAULING OPERATIONS.
5. THE CONTRACTOR SHALL USE A SINGLE GATE FOR ACCESS TO THE AIRFIELD WORK AREA. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND/OR IMPROVING THE ACCESS ROAD AS NECESSARY TO SUPPORT CONSTRUCTION TRAFFIC FOR THE DURATION OF THE PROJECT. IF PERMITTED FOR USE BY THE CONTRACTING OFFICER, ANY PORTION OF THE ROUTE RESIDING ON PAVEMENT SHALL BE DELINEATED WITH WATER-FILLED, LOW PROFILE AIRPORT BARRICADES ON EITHER SIDE OF THE ROUTE AND SPACED NO MORE THAN 50-FEET ON CENTER. BARRICADES SHALL BE LIT DURING NIGHT OPERATIONS TO PREVENT CONSTRUCTION VEHICLES FROM TRAVELING OUTSIDE OF THE DELINEATED ROUTE. THESE BARRICADES SHALL BE ORANGE AND MEET THE REQUIREMENTS OF FAA ADVISORY CIRCULAR 150-5730-2E.
6. THE CONTRACTOR SHALL MAINTAIN THE HAUL ROUTE FREE OF DEBRIS BY SWEEPING A MINIMUM OF ONCE PER WEEK OR AS NEEDED TO ENSURE DEBRIS DOES NOT MIGRATE OUTSIDE OF THE HAUL ROUTE LIMITS. THE CONTRACTING OFFICER MY, AT HIS/HER DISCRETION, REQUIRE MORE FREQUENT SWEEPING ACTIVITY IF IT IS DEEMED THAT DEBRIS IS POSING A SAFETY THREAT TO OPERATIONAL AIRCRAFT.
7. CONTRACTOR PERSONNEL SHALL NOT UTILIZE PERSONALLY OWNED VEHICLES (POV) ON THE AIRFIELD. ALL POV'S SHALL BE PARKED IN A DESIGNATED AREA WHILE ON NAS CORPUS CHRISTI. ONLY MARKED, COMPANY REGISTERED AND LICENSED VEHICLES WILL BE PERMITTED ON THE AIRFIELD AND ONLY FOR THE PURPOSE OF ACCOMPLISHING WORK.
8. SEE CLOSURE MARKER AND BARRICADE SCHEDULE FOR LOCATION AND APPLICABLE WORK AREA INFORMATION.
9. THE CONTRACTOR STAGING AREAS ARE TO BE GRADED SMOOTH AND STABILIZED WITH PAVEMENT MILLINGS AT THE END OF THE PROJECT. EXCESS TOPSOIL SHALL BE STRIPPED AND DEPOSITED IN AN AREA ON THE AIRFIELD DESIGNATED BY THE CONTRACTING OFFICER AND STABILIZED WITH SEED AND MULCH.

Table with columns for DATE, ISSUED FOR BID, and DESCRIPTION.

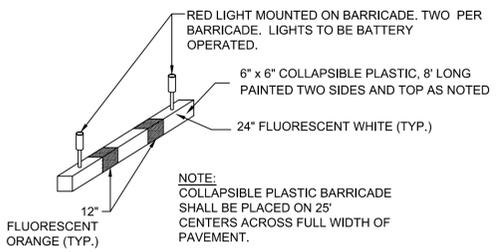


Approval and activity table with fields for APPROVED, FOR COMMANDER NAVFAC, ACTIVITY, SATISFACTORY TO DATE, and PROJECT MANAGER.

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL AIR STATION JACKSONVILLE
CORPUS CHRISTI, TEXAS
NAS CORPUS CHRISTI AIRFIELD REPAIRS
MAIN PARKING APRON
PHASING NOTES

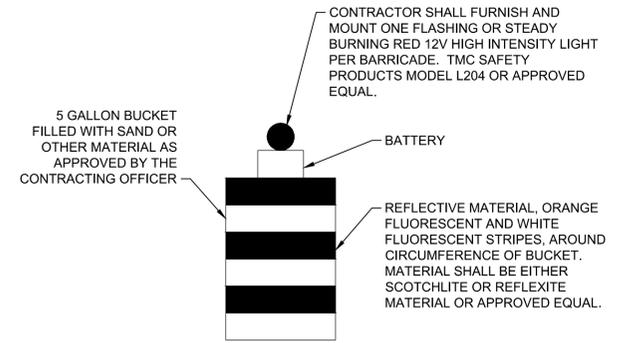
Scale and drawing information table including SCALE, EPROJECT NO., CONSTR. CONTR. NO., NAVFAC DRAWING NO., and SHEET 6 of 117.

FILE NAME: N:\14072\04 CAD\05-Apron\130243-G-0006.dwg LAYOUT NAME: G006 PLOTTED: Tuesday, June 09, 2015 - 9:55am USER: mm



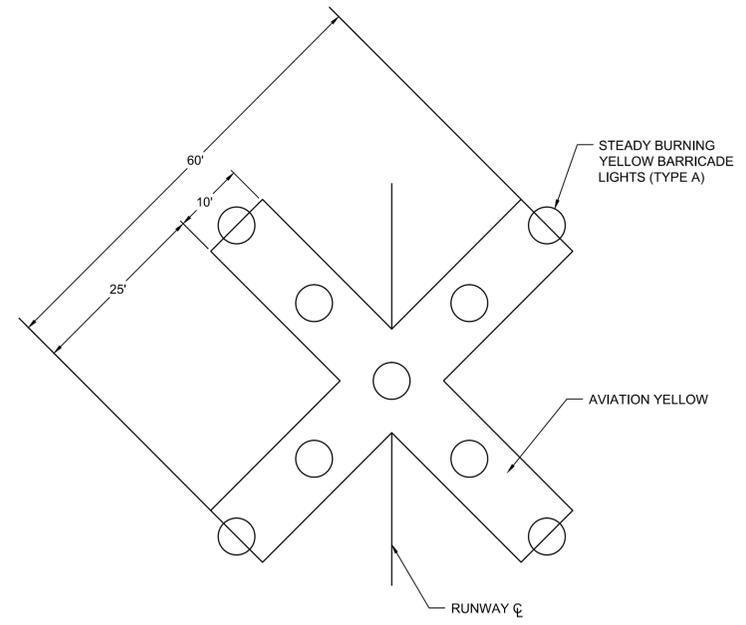
**1** TEMPORARY MOVEMENT AREA AIRFIELD BARRICADE DETAIL  
SCALE: NTS

- NOTES:
- CONTRACTOR SHALL PROVIDE A FAA APPROVED (FAA AC 150/5370-2E), LIGHTED RUNWAY CLOSURE MARKER AS A TEMPORARY CLOSED STRIPING TO WARN PILOTS OF CLOSED RUNWAYS AND TAXIWAYS.
  - LOCATION OF TEMPORARY CLOSED MARKERS SHALL BE COORDINATED WITH THE CONTRACTING OFFICER.



**2** BUCKET AVIATION BARRICADE DETAIL  
SCALE: NTS

- NOTES:
- LIGHT SHALL BE CLAMPED TO BUCKET BARRICADE OR MOUNTED TO LID.
  - FOR AIRSIDE USE ONLY.
  - CONTRACTOR SHALL USE BUCKET BARRICADES TO DELINEATE HAUL ROADS ALONG ACTIVE AIRCRAFT MOVEMENT AREAS. MAXIMUM 100' SPACING, 50' ON CURVES.



**3** LIGHTED CLOSED RW MARKER  
SCALE: NTS

- NOTES:
- CLOSED MARKERS SHALL BE INSTALLED AS THE FIRST ITEM OF WORK.
  - THE CLOSED MARKERS MAY BE CONSTRUCTED OF 40 POUND ROOFING PAPER, SNOW FENCE, OR ANY OTHER MATERIAL APPROVED BY THE CONTRACTING OFFICER.
  - THE CONTRACTOR SHALL MAKE FREQUENT INSPECTIONS OF THE STRIPING AND MAKE PROMPT REPAIRS AS NECESSARY.
  - THE CONTRACTOR SHALL SCHEDULE THE CLOSING OF THE RUNWAYS AT LEAST ONE WEEK IN ADVANCE WITH THE CONTRACTING OFFICER.
  - LIGHTS REQUIRED IF THE AREA BEING MARKED IS TO BE CLOSED AT NIGHT.

FILE NAME: N:\14072\14 CAD\05-Apron\130243-G-0007.dwg PLOTTED: Tuesday, June 09, 2015 - 9:55am USER: mm

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DESCRIPTION			



APPROVED	
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO DATE	
DES	MWK   DRW MRM   CHK JMM
PROJECT MANAGER	
IPT TECH. BRANCH HEAD	
CHIEF ENGINEER (CORE)	

DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST	NAVAL AIR STATION JACKSONVILLE
CHIEF CORE	CORPUS CHRISTI, TEXAS
NAS CORPUS CHRISTI	NAS CORPUS CHRISTI AIRFIELD REPAIRS
	MAIN PARKING APRON PHASING DETAILS

SCALE:	NTS
PROJECT NO.:	
CONSTR. CONTR. NO.:	
NAVFAC DRAWING NO.:	15095320
SHEET:	7 of 117
<b>GI007</b>	















