



February 28, 2019

TO: **All Registered Plan Holders**

SUBJECT: **ADDENDUM No. 01**
Obstruction Mitigation Program
Columbus Airport, Columbus Georgia

Runway 6-24 Obstruction Mitigation	Runway 13-31 Obstruction Mitigation
FAA AIP No.: 3-13-0035-043-2018	FAA AIP No.: N/A
GDOT No.: (TBD)	GDOT No.: (TBD)
RS&H No.: 201-0241-023	RS&H No.: 201-0241-024
CSG No.: 2018-A-C-F-003	CSG No.: 2018-A-C-G-002

Addendum No. 01 for the above referenced project has been published. All Registered Plan Holders have been electronically notified, and are expected to download Addendum No. 01 documents via the BisCom file delivery server. Only the Registered Plan Holders may download these files. Files will be automatically deleted after 7 calendar days.

This addendum is available only by electronic delivery. Contact Holly Harper at (904) 256-2351 if you have difficulty accessing these files or require a hard copy distribution. It is the responsibility of the Bidder to maintain a current and valid email address for notification of document updates.

Please find attached the Documents and Drawings for the above referenced Addendum No. 01.

This Addendum is hereby made a part of the Contract Documents and Specifications of the above referenced project. All other requirements of the original Contract Documents and Specifications shall remain effective in their respective order. **ACKNOWLEDGE RECEIPT OF THIS ADDENDUM (Pages 1 thru 10 with attachments) BY INSERTING ITS NUMBER AND DATE IN THE BID SCHEDULE FORM.**

Sincerely,

Brian C. Thompson, PE
Project Manager

Enclosures

cc:

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COLUMBUS AIRPORT COMMISSION
Columbus Airport,
Columbus, GA

ADDENDUM No. 01

For

OBSTRUCTION MITIGATION PROGRAM

Runway 6-24 Obstruction Mitigation

FAA AIP No.: 3-13-0035-043-2018
GDOT No.: (TBD)
RS&H No.: 201.0241.023
CSG No.: 2018-A-C-F-003

Runway 13-31 Obstruction Mitigation

FAA AIP No.: (N/A)
GDOT No.: (TBD)
RS&H No.: 201.0241.024
CSG No.: 2018-A-C-G-002

COLUMBUS AIRPORT
COLUMBUS, GA



RS&H, Inc.
Jacksonville, Florida

February 28, 2019

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ADDENDUM No. 01

This Addendum is hereby made a part of the Contract Documents and Specifications of the above referenced project. All other requirements of the original Contract Documents and Specifications shall remain effective in their respective order. **ACKNOWLEDGE RECEIPT OF THIS ADDENDUM (Pages 1 thru 10 with attachments) BY INSERTING ITS NUMBER AND DATE IN THE PROPOSAL FORM.**

MODIFICATIONS TO PROJECT MANUAL

1. The BID DATE, BID TIME, and BID LOCATION are **UNCHANGED** by this addendum.
2. The Pre-Bid Agenda is provided for bidder information.
3. The Pre-Bid Conference Attendance List is provided for bidder information.
4. The Planholders List, dated February 28, 2019, is provided for bidder information.
5. **ADD** Specification T-904 Sodding, pages T-904-1 thru T-904-4, dated February 28, 2019, and identified as Addendum No. 01.
6. **ADD** Specification T-904 Sodding Special Provision, pages T-904-1 SP thru T-904-4 SP, dated February 28, 2019, and identified as Addendum No. 01.

MODIFICATIONS TO CONTRACT DRAWINGS

1. **BID SCHEDULE A**
 - a. **REPLACE** the following sheets with new sheets dated 02/28/2019, and identified as Addendum No. 01.
 - i. **C001** Runway 6-24 Summary of Quantities and Index of Sheets
 - ii. **C109** Runway 6-24 Obstruction Removal Plan CSG-1
2. **BID SCHEDULE B**
 - a. **REPLACE** the following sheets with new sheets dated 02/28/2019, and identified as Addendum No. 01.
 - i. **C001** Runway 13-31 Summary of Quantities and Index of Sheets
 - ii. **C002** Runway 13-31 Scope of Obstruction Removal

CLARIFICATIONS

1. Bid Schedule A, Sheet C001 and Bid Schedule B, Sheet C001 are revised to add the full Bid Schedule listing for Bid Schedule A and Bid Schedule B, respectively.
2. Added coordinates to clarify clearing limits to clearing limits on Bid Schedule A, Sheet C109, Runway 6-24 Obstruction Removal Plan CSG-1.
3. Added Obstruction #125 to Bid Schedule B, Sheet C002, Runway 13-31 Scope of Obstruction Removal. This obstruction is within the CSG-2 clearing area, Sheet 212, and had been omitted from the program inventory table.

4. Work in the vicinity of Obstruction #118 (Bid Schedule B, Sheet C212) shall exclude and protect the Magnolia trees planted in this vicinity as a part of the Columbus Gateway program. Work in this area is to be performed by GDOT/Others, and is not a part of this contract.
5. Bidders are reminded that local ordinance requires that all tree work be performed by a contractor licensed to practice in Muscogee County, or under the direction of an ISA certified arborist. Refer to Department of Public Works, Urban Forestry and Beautification, for specific licensing and certification requirements.
6. Mowing of private parcel grassing is not required during the maintenance period of restoration areas.

BIDDER QUESTIONS/ANSWERS

1. What bid bond is required? Is the AIA Bid Bond okay?
 - a. **The Bid Bond must be on the form included in the Project Manual. AIA form Bid Bond is not acceptable.**
2. Is the contractor to acquire permits? What permits are required?
 - a. **The Owner will make application and pay the fee for the GaDNR EPD Soil Erosion permit. The Owner will file the NOI. The Contractor will be responsible for effluent testing during the construction period.**
 - b. **Owner will file an FAA Form 7460-1 Notice of Proposed Construction or Alteration for the project. The selected contractor will be required to work with the Owner to amend pre-filed FAA Form 7460-1 to reflect the proposed work plan and schedule.**
 - c. **The contractor shall submit obtain permits for applicable portions of the work thru the Columbus Consolidated Government, Department of Public Works, Urban Forestry and Beautification. Work shall include submission of any and all applications, exhibits, and fees.**
 - d. **The balance of permits, as may be required, shall be obtained and paid for by the Contractor.**
3. Please clarify the intent of General Provisions, Section 80 Execution and Progress.
 - a. **Section 80 stands as written. Clarification, in part, includes:**
 - b. **The Owner's contract is with the (prime) Contractor, and the (prime) Contractor is responsible for the actions of subcontractors and communications from subcontractors and shall not make direct communications with subcontractors, as there is no direct contract relationship between subcontractors and the Owner.**
 - c. **The (prime) Contractor shall perform not less than 30% of the work. Subcontractors and scope of work shall be identified to the Owner.**
 - d. **Assignment of the contract shall require consent of the surety, and written approval of the Owner. Consummation of the assignment may only occur with the approval of the Owner.**
4. Please elaborate on the Parcel J pending survey, Sheet C201.

- a. **Parcel J will not be separately surveyed under this contract. Tree removal or trimming shall be as shown on Sheet C201 and related contract documents.**
5. Please clarify the restoration requirements.
 - a. **Restoration of disturbed grass areas on private parcels shall be sod. Type to match adjacent grassing.**
 - b. **Restoration of disturbed areas associated with clearing, or clearing and grubbing shall be seeded and mulched, in accordance with Sections T-901 and T-908, and associated special provisions.**
 - c. **Restoration of areas associated with Urban Forestry and Beautification areas designated by CCG Public Works shall be sodded. Type to match adjacent grassing.**
 - d. **Specification requirements for mowing of grassing restoration on private parcels will not be enforced under this contract.**
 - e. **Individual tree removal shall include grinding of stumps. Where grinding of stumps may damage adjacent trees, a decision will be made on a case-by-case basis with regard to omitting stump grinding.**
6. What is the basis of award for the contract? Will the contract be a single contract, or contracts for each bid schedule?
 - a. **The contract will be awarded subject to the provisions of Instructions to Bidders, Section XII Award of Lowest Responsible and Responsive Bidder.**
 - b. **It is the intent of the Commission to award a single contract for the performance of the work specified in Bid Schedule A plus Bid Schedule B.**
7. Is surveying of trimmed tree required?
 - a. **Contractor shall provide certification of trimmed tree elevation. Certification shall be by a surveyor licensed to practice in the state of Georgia. Work shall be performed to a Class IA level of accuracy.**
8. Is replacement tree planting required for any specific trees disturbed?
 - a. **No tree replacement is known to be required at this time. Should tree replacement become required, such replacement will be performed under the requirements of General Provisions Section 40, Scope of Work, paragraph 40-04 Extra Work.**
9. Some small portions of the “clear and grub” areas are too steep for machinery. While it’s technically possible to grub land by hand, it would increase the bid amount by an order of magnitude. Should we prepare our bids as if these portions of the “clear and grub” were to be simply cleared? If so, who will designate such areas?
 - a. **Areas that are deemed inaccessible to equipment will be cleared, but not grubbed. Such areas will be defined in the field by the Resident Project Representative on a case-by-case basis.**
10. Some “clear and grub” areas have large amounts of trash. It appears from the contract technical specifications that trash removal and disposal is part of the bid, is it safe to assume that the homeless encampments are also to be demolished?

- a. **Areas of trash, illegal dumping or debris associated with areas of clearing or clearing and grubbing shall be removed and properly disposed.**
 - b. **Contractor shall notify the local police upon encountering homeless encampments. The police will notify occupants to vacate the premises within a specified period of time. Upon expiration of the relocation period, the contractor shall remove and dispose of any remaining encampment materials. The Airport Commission encourages working with the Police Department to ensure the safety of all involved.**
11. If so, is the cost of police (or other appropriate authorities) needed to effect homeless people (and belongings) to be escorted from the encampment so as to allow encampment removal also to be included in the contract, or is that expense to be borne by others?
- a. **Costs associated with police enforcement activities, if any, shall be separately reimbursed by the Owner.**
12. When preparing for stump grinding, (and barring the property owner's outright interdiction), should we assume and account for all fencing, sodding, seeding, and other prep work needed for the stump to be ground?
- a. **Yes. Contractor shall restore or replace yard areas, vegetation, and property elements impacted by the work.**
13. Some portions of the "clear and grub" and "clear" areas have streams/drainage swales/marshy ground etc., running through them. In those cases where there are such features, do the expectations change regarding grubbing? The requirement for silt fencing and the like notwithstanding, is it envisioned to allow a buffer in which clearing occurs but grubbing does not? If so, what is the expected width of that buffer?
- a. **It is anticipated that grubbing work may be deleted in clearing and grubbing areas where ground conditions are inconsistent with grubbing activities. Determination will be made in the field by the Resident Project Representative on a case-by-case basis.**
14. If not, who is responsible for obtaining permits to disturb earth in those areas in compliance with state and federal laws? If the contractors must obtain the permits, and the permission is denied, are the areas then to be left un-grubbed?
- a. **The Owner will make application to GaDNR EPD for the NPDES land disturbing activities. Work will be in conformance with the approved permit.**
15. For "cleared areas" are processed wood debris considered such as wood chips, for the sake of this contract under technical specification P-151-1SP, to be "objectionable materials"?
- a. **Clearing shall include the removal of trees, bushes, brush, and debris generated by the clearing process. Excess processed wood debris shall be removed from the site.**
16. Is the selected contractor expected to handle the relationships with the private property owners regarding the *terms of access*?
- a. **Prior to commencing the Work, the Contractor shall prepare a detailed work plan and schedule identifying the specific sequence and schedule of the Work.**

- b. The Owner will notify affected property owners prior to commencement of the work program. The Owner will provide specific notice to individual property owners approximately 2 weeks prior to work on their property, based on the schedule provided by the Contractor.**
- 17. Which requirements for silt fence installation will govern? On P-156-3 the requirements include 10' spacing for posts and it would appear that any other special features, such as turbidity curtains, are an additional add-on to the contract. Could you provide a little guidance regarding the sedimentation control measures?
 - a. Additional guidance is anticipated in Addendum No. 02.**
- 18. In areas where stumps and trees impede the opening of the 4" by 4" trenches for the silt fencing, is it possible to do preparatory clearing prior to silt fence installation for sedimentation control?
 - a. Incidental clearing for the installation of silt fencing is a necessary element of the silt fence installation. Installers shall minimize exposure of soils to erosion during the installation process.**

LIST OF ATTACHMENTS

- 1. Pre-Bid Conference Agenda.
- 2. Pre-Bid Conference Attendees List.
- 3. Planholders List, dated February 28, 2019.
- 4. Specifications
 - a. T-904 Sodding
 - b. T-904 Sodding Special Provision
- 5. Plan Sheets
 - a. Bid Schedule A: C001, C109
 - b. Bid Schedule B: C001, C002

END OF ADDENDUM No. 01

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COLUMBUS AIRPORT COMMISSION
Columbus Airport

OBSTRUCTION MITIGATION PROGRAM

Runway 6-24 Obstruction Mitigation

FAA AIP No.: 3-13-0035-043-2018
GDOT No.: (TBD)
RS&H No.: 201.0241.023
CSG No.: 2018-A-C-F-003

Runway 13-31 Obstruction Mitigation

FAA AIP No.: (N/A)
GDOT No.: (TBD)
RS&H No.: 201.0241.024
CSG No.: 2018-A-C-G-002

PRE-BID CONFERENCE

Friday, February 22, 2019 – 1:30 PM
Columbus Airport Administrative Office

AGENDA

1. Introduction of Personnel and Sign In:

Amber Clark, CM	CSG Airport Director
Daniel Thomas	CSG Airfield Operations
Garry Parker	CSG Maintenance
Andre Parker	CSG Public Safety
Patrick Barcalow	RS&H Associate
Brian Thompson, PE	RS&H Project Manager

2. Project Scope:

The Work is generally described to include the mitigation of obstructions on the approaches to Runways 6, 24, 13, and 31 at the Columbus Airport. The mitigation includes work on airport property, public property, and on privately owned property. Base bid work includes removal of specified vegetation (trees) including grinding of stumps and restoration of grassed surfaces; as well as clearing of certain vegetated (wooded) areas. The work includes electrical work to facilitate the relocation of a light standard and the modification of an additional light standard. Alternate bid work includes trimming (or “topping”) of specified vegetation (trees) in lieu of removal. This bid includes separate bid schedules for mitigation of obstructions associated with Runway 6 and 24 approaches, and Runway 13 and 31 approaches. Bidders are required to propose on the full scope of the mitigation program.

3. Plans and Specifications: Available at NO COST, via electronic file transfer only. To obtain Contract Documents, contact:

Ms. Holly Harper
RS&H, Inc. (RS&H)
10748 Deerwood Park Boulevard South
Jacksonville, FL 32256
Holly.Harper@RSandH.com
Direct: (904) 256-2351

4. Pre-Bid Conference: Attendance is NOT mandatory. Attendance is STRONGLY encouraged, as key performance issues will be discussed and the opportunity to attend non-public portions of the project site.

5. Disadvantaged Business Enterprise: Project goal: **9.5%** Certified DBE participation. Certified Firms only. Monthly DBE Reporting.

6. **Bid Date, Time and Location:** **1:30 PM, local time, FRIDAY, MARCH 08, 2019** at the Columbus Airport Commission Office, 2nd Floor, 3250 W. Britt David Road, Columbus, Georgia 31909-5399. The Commission cannot be responsible for lost, misdirected, or delayed mail deliveries.
7. **Form of Bid:** Unit price.
8. **Requirements for Bidders:** Refer to Project Manual.
9. **Buy American Provision:** Mandated 100% compliance.
10. **Contract wage rates:** Davis-Bacon Wage Rates. Certified Payrolls are required.
11. **Bonds & Insurance:** 5% Bid Bond required, 100% Performance and Payment Bonds will be required of the successful bidder. Bid prices shall be held for **180** calendar days.
12. **Schedule:**
Allowable calendar DAY durations per Phase shall not exceed:

<u>Phase</u>	<u>Duration</u>
Bid Schedule A:	70 Calendar DAYS, Concurrent with Bid Schedule B
Bid Schedule B:	70 Calendar DAYS, Concurrent with Bid Schedule A
Total Project:	70 Calendar DAYS

Total duration allowed will NOT vary with the awarded scope of the contract.

Night work will not be allowed.

All operations on the Airfield shall be coordinated with Airport Operations. All adjacent pavement areas shall be completely clean and clear of any and all foreign object debris (FOD) before aircraft travels over it. The Contractor, Engineer, RPR, and Airport Operations will meet with the FBO or other tenants and coordinate any anticipated potential aircraft operations that must occur near the construction area. Once the coordination has occurred, the Contractor shall be in contact with Airport Operations on a daily basis and shall pull back when the aircraft operations are imminent.

The Contractor shall coordinate with Airport Operations to allow for ample time to pull-back from the taxiways and/or apron each time an aircraft traverses near areas under construction. The amount of time before each arrival shall be determined by Airport Operations as the appropriate time to clear the area as well as the time after each departure before Contractor can resume work.

The Contractor shall yield the right of way to aircraft traffic at all times.

Specific Work Day limitations shall be as follows:

- A. Residential and Commercial Areas. Work shall be restricted to the hours of 8AM to 6PM, Monday thru Friday, excluding established Legal Holidays.
- B. Airport and Airfield Areas. Work shall be limited to 7AM to 7PM, Monday thru Saturday, excluding Legal Holidays. Work hours may be further amended as necessary at the direction of Airport Operations.
- C. No work shall be authorized between dusk and dawn.

13. Liquidated Damages:

The Contractor shall be charged liquidated damages in the amounts defined below for each calendar day or night after the applicable time has elapsed until the work is completed and accepted by the Owner and Engineer. Such sum is hereby, in view of the difficulty of estimating such damages, fixed and determined by Contractor and Owner as the liquidated damages that Owner shall suffer by such default and not by way of a penalty.



PRE-BID CONFERENCE ATTENDANCE LIST
for
OBSTRUCTION MITIGATION PROGRAM
COLUMBUS AIRPORT

Runway 6-24 Obstruction Mitigation
FAA AIP No.: 3-13-0035-043-2018
GDOT No.: (TBD)
RS&H No.: 201.0241.023
CSG No.: 2018-A-C-F-003

Runway 13-31 Obstruction Mitigation
FAA AIP No.: (N/A)
GDOT No.: (TBD)
RS&H No.: 201.0241.024
CSG No.: 2018-A-C-G-002

February 22, 2019, 1:30 P.M.

Columbus Airport, 2nd Floor Conference Room

Name	Company	Telephone	Email
FRANK THOMPSON	RS&H	609-571-7034	FRANK.THOMPSON@RSANDH.COM
PATRICK BARCALOW	RS+H	609-571-7034	PATRICK.BARCALOW@RSANDH.COM
CHARLES LANCE	PERD BROS	478-862-5038	CLANCE@PERD BROS.COM
JAMES MARTIN	PERD BROS		
Stephen Scarborough	GarPawr	706-975-4846	smscarbo@soyflames.com
Ray Clive	Clive Service Corp	706-315-9991	clineserv@aol.com
Tyson Boulte	Boulte Tree, Inc.	404-799-5472	tyerson@boultefree.com
Tyler Baxter	Boulte Tree, Inc.	404-799-5472	tyler@boultefree.com
AUDRE PARKER	CSG	706-330-0250	APARKER@FLY COLUMBUSGA.COM
Lewis Walker	CDOT	678-315-6519	lewalk@dot.ga.gov
GARRY PARKER	CSG	706-566-7947	gparker@flycolumbusga.com
Daniel Thomas, SR	CSG	706-575-9041	dthomas@flycolumbusga.com
ROBERT Parmer	Gunnison Tree	678-582-3075	ROBERT@GUNNISONTREE.COM
ERIC GAUSAUER	CCG	706-366-5438	EGAU@GANNON@COLUMBUSGA.ORG
Steve Crawford	DRC	904-831-2656	Steve.Crawford@DRCUSA.com

COLUMBUS AIRPORT COMMISSION – COLUMBUS AIRPORT

Re-Bid

OBSTRUCTION MITIGATION PROGRAM

Runway 6-24 Obstruction Mitigation (RS&H Project No. 201-0241-023)

Runway 13-31 Obstruction Mitigation (RS&H Project No. 201-0241-024)



10748 Deerwood Park Boulevard South
Jacksonville, Florida 32256
904-256-2500

PLAN HOLDERS LIST

Bid Date: Friday, March 8, 2019 at 1:30PM
Pre-Bid Meeting: Friday, February 22, 2019 at 1:30PM

NO	COMPANY	CONTACT	EMAIL	ADDRESS CITY/STATE/ZIP	PHONE	INVITATION TO BID SENT	BID DOCS SENT	ADD #1	ADD #2	ADD #3
1	EARTH-SCAPES, INC.	RON AVERY LAURIE AVERY	ronavery@mindspring.com earth-scapes@att.net	PHENIX CITY, AL 36870	706-527-8058 334-297-0099		2/11/19			
2	404-CUT-TREE	ROBERT DELBRIDGE	bob@404cuttree.com	NORCROSS, GA 30071	770-734-9648 678-361-8187	2/8/2019				
3	770-ARBORIST	MARK RUSSELL	mark@770arborist.com	CANTON, GA 30115	770-272-6747	2/8/2019				
4	BARTLETT TREE	BRIAN ZIEGLER	bziegler@bartlett.com	TUCKER, GA 30084	770-4969-848	2/8/2019				
5	AKA TREE REMOVAL	NATHANIEL WILSON	nathanielwilson@akatreeremoval.com	BUFORD, GA 30518	404-713-4305 678-761-5853	2/8/2019				
6	DAVEY TREE EXPERT COMPANY	CHRIS HEIM	chris.heim@davey.com	ATLANTA, GA 30360	770-451-7911	2/8/2019				
7	DOWNEY TREES, INC.	RUSTY LEE	rlee.downeytrees@hotmail.com info@downeytreesinc.com ??	CUMMING, GA 30041	770-889-2822 678-410-7785					
8	PORTERFIELD STUMP AND TREE	MATT PORTERFIELD	matt@porterfieldstumpandtree.com	WATKINSVILLE, GA 30677	706-714-8733	2/8/2019				
9	ATLANTA ARBOR TREE CARE SPECIALIST, LLC	JOSHUA MAROTTA	info@atlantaarbor.com josh@atlantaarbor.com	SMYRNA, GA 30080	770-765-6555 770-837-6898	2/8/2019				
10	BARNEycastle FORESTRY SERVICE, INC.	CHRIS BARNEycastle	chris@barneycastle.net	GRAYSON, GA 30017	678-386-8623 678-386-8623	2/8/2019				
11	PREMIER TREE & SHRUB CARE, LLC	EDDIE SHEPPARD	premier.tree.clayton@yahoo.com premier.treecare@yahoo.com	MONROE, GA 30655	770-267-8733	2/8/2019				
12	ARBOR EQUITY, INC.	DON BAUER	dbauer@arborequityinc.com	COVINGTON, GA 30014	770-784-2772 706-818-5572	2/8/2019				
13	BOUTTE TREE INC.	TIERSON BOUTTE	Tierson@BoutteTree.com ; tyler@bouttetree.com ; scheduling@bouttetree.com	ATLANTA, GA 30318	404-799-5472 404-978-5557	2/8/2019	2/11/19			
14	CALDWELL TREE CARE	KEVIN CALDWELL	caldwellkr@caldwelltreecare.com	ROSWELL, GA 30075	770-992-1973 404.697.5877	2/8/2019				

COLUMBUS AIRPORT COMMISSION – COLUMBUS AIRPORT

Re-Bid

OBSTRUCTION MITIGATION PROGRAM

Runway 6-24 Obstruction Mitigation (RS&H Project No. 201-0241-023)

Runway 13-31 Obstruction Mitigation (RS&H Project No. 201-0241-024)



10748 Deerwood Park Boulevard South
Jacksonville, Florida 32256
904-256-2500

NO	COMPANY	CONTACT	EMAIL	ADDRESS CITY/STATE/ZIP	PHONE (OFFICE/CELL)	INVITATION TO BID SENT	BID DOCS SENT	ADD #1	ADD #2	ADD #3
15	PRESTIGE SHRUB & TREE, LTD	PATRICK MAWHINNEY	contact@prestigestt.com tim@prestigestt.com	DULUTH, GA 30096	770-476-7781	2/8/2019				
16	J.H. HEATH TREE SERVICE	JIM HEATH	jhheath@aol.com	SMYRNA, GA	404-261-5000 404-723-9476	2/8/2019				
17	ROWE'S TREE SERVICE	KIM ROWE	info@rowetreeservice.com	STOCKBRIDGE, GA 30281	770-478-1834 678-283-8060	2/8/2019				
18	RPM TREE SERVICE	PERRY BELL	rpmtree@comcast.net	MARIETTA, GA 30067	770-509-2778	2/8/2019				
19	DRISKILL TREE & LANDSCAPE SOLUTIONS, LLC.	BOBBY DRISKILL	driskilllandscapesolutions@gmail.com	LILBURN, GA 30048	770-330-7776	2/8/2019				
20	APPLESEED TREE SERVICE, INC.	MARK COLLINS	mark@appleseedtreeservice.com	DECATUR, GA 30031	404-378-2774 404-557-8699	2/8/2019				
21	ATLANTA CLASSIC TREE SERVICE, INC.	PETER BOND	peter@atlantaclasiictree.com atltree@aol.com	ALPHARETTA, GA 30004	770-497-1941 770-377-9214	2/8/2019				
22	SUMMIT LAWN WORKS, INC. / TREE DIVISION	ROBERT ROZAR, JR.	robertrozar@bellsouth.net	STONE MOUNTAIN, GA 30087	678-380-9551 404-275-9221	2/8/2019				
23	ARBOR ANGEL	MATTHEW WARZECHA	warzecha.ma@gmail.com	SNELLVILLE, GA 30078	770-873-9683	2/8/2019				
24	ACORN TREE CARE	CLINT HARRIS	acorntreecare@comcast.net	CUMMING, GA 30028	770-754-0806	2/8/2019				
25	THE TREE BUTLER	DAVE BUTLER	treebutlerdb7@gmail.com	DECATUR, GA 30033	(404) 580-3917	2/8/2019				
26	GREEN TREE SERVICE LLC	STEVEN GREEN	greentreeservice12@gmail.com	GRIFFIN, GA 30224	770-584-2812 770-584-6052	2/8/2019				
27	BIGLEAF ARBOR	MARTIN LOVINGS	marty@bigleafarbor.com	ROSWELL, GA 30075	770-296-1923	2/8/2019				
28	SESMAS TREE SERVICE	NOEL SESMAS	noel@atltrees.com	SUWANEE, GA 30024	678-896-8352 770-655-9397	2/8/2019				
29	CASEY TREE EXPERTS	JOANN CASEY	caseytree@mindspring.com	LILBURN, GA 30047	770-498-7000	2/8/2019				

COLUMBUS AIRPORT COMMISSION – COLUMBUS AIRPORT

Re-Bid

OBSTRUCTION MITIGATION PROGRAM

Runway 6-24 Obstruction Mitigation (RS&H Project No. 201-0241-023)

Runway 13-31 Obstruction Mitigation (RS&H Project No. 201-0241-024)



10748 Deerwood Park Boulevard South
Jacksonville, Florida 32256
904-256-2500

NO	COMPANY	CONTACT	EMAIL	ADDRESS CITY/STATE/ZIP	PHONE (OFFICE/CELL)	INVITATION TO BID SENT	BID DOCS SENT	ADD #1	ADD #2	ADD #3
30	ARBOR-NOMICS TREE SERVICE	BARRY SMITH	info@arbor-nomicstree.com	NORCROSS, GA 30091	770-368-0072	2/8/2019				
31	DOYLE HANCOCK & SONS CONSTRUCTION, INC.	CAROLE HANCOCK (?)	www.hancocksons.com	DOERUN, GEORGIA 31744	229-776-3059	2/8/2019				
32	ROBINSON PAVING COMPANY	PATRICK L. PUGH	plpugh@robinsonpavingco.com	COLUMBUS, GA 31907	334-319-3520	2/8/2019	2/19/19			
33	CLINE SERVICE CORP.	RAY CLINE, JR.	clineserv@aol.com	COLUMBUS, GA 31907	706-315-9991	2/8/2019	2/11/19			
34	PEED BROS., INC.	TERRIE SALTER CHARLES LANCE	tsalter@peedbros.com ; clance@peedbros.com	BUTLER, GA 31006	478-862-5238 O 478-957-0902 C	2/8/2019	2/11/19			
35	SOUTHERN CONTRACTORS, LLC	TODD UNDERWOOD	todd@southerncontractorsllc.com	SMITHS STATION, AL 36877	706-358-7121	2/8/2019	2/14/19			
36	ALEXANDER CONTRACTING COMPANY	JESS CALHOUN	jcalhoun@alexandercontractingco.com	FORSTON, GA 31808	706-366-6805					
37	WARR GRADING COMPANY	SPUD WARR CRYSTAL PILKINTON KENY HARDWICK	spud@warrgrading.com crystal@warrgrading.com kenny@warrgrading.com	SMITHS, AL 36877	706-330-8525	2/8/2019				
38	LANDMARK GRADING, INC.	STEVE MCCANTS	smccants@landmarkgrading.com	FORT MITCHELL, AL 36856	334-855-9907 334-855-4323	2/8/2019				
39	STRACK, INC.	SYLVIA DAVIS	sylviad@strackinc.com	FAIRBURN, GA 30213	770-317-1289	2/8/2019				
41	GEORGIA POWER COMPANY	STEPHEN SCARBOROUGH	SMSCARBO@southernco.com	960 KEY STREET MACON, GA. 31204	706-975-4846	2/8/2019	2/12/19			
42	STERLING SEACREST	SONIA BOWERS	sbowers@sspins.com	6400 BRADLEY PARK DRIVE STE. A-3 COLUMBUS, GA 31904	706-324-2415 X: 1789		2/20/19			
43	GASKIN TREE SERVICE	JEFFREY GASKIN	gaskintreeservice@yahoo.com	399 ROY SMITH ROAD GA 31316	912-399-1073		2/22/19			
44	TAG GRINDING SERVICES, INC.	JAY BROOKS	jay@taggrinding.com	1750 POWDER SPRINGS RD SUITE 190-171 MARIETTA, GA 30064	O: 678-540-5001 M: 256-675-7055		2/25/19			

COLUMBUS AIRPORT COMMISSION – COLUMBUS AIRPORT

Re-Bid

OBSTRUCTION MITIGATION PROGRAM

Runway 6-24 Obstruction Mitigation (RS&H Project No. 201-0241-023)

Runway 13-31 Obstruction Mitigation (RS&H Project No. 201-0241-024)



10748 Deerwood Park Boulevard South
Jacksonville, Florida 32256
904-256-2500

PLAN ROOMS

NO	COMPANY	CONTACT	EMAIL	ADDRESS CITY/STATE/ZIP	PHONE	INVITATION TO BID SENT	BID DOCS SENT	ADD #1	ADD #2	ADD #3
1	CONSTRUCTION JOURNAL		bids@constructionjournal.com J.Sykes@constructionjournal.com EFrance@constructionjournal.com	STUART, FL	904-388-0336, x571 800-785-5165, x458	2/8/2019	2/11/19			
2	ISQFT PLAN ROOM	ROBERT HOLT	agcbex@isqft.com content@constructconnect.com	SMYRNA, GA	800-364-2059, x7038	2/8/2019	2/11/19			
3	CDC NEWS	LORI CABLE	pquarry@cdcnews.com	CARY, NC	800-652-0008	2/8/2019	2/11/19			
4	BIDCLERK	THIERRY DE WINDT	tdewindt@bidclerk.com	CHICAGO, IL	312.380.4830	2/8/2019	2/11/19			
5	REED CONSTRUCTION DATA	EVELYN HURSE	evelyn.hurse@reedbusiness.com	NORCROSS, GA	770-417-4260	2/8/2019	2/11/19			
6	ISQFT & BIDCLERK	HENRI BRADSHAW	hbradshaw@isqft.com content@constructconnect.com	CINCINNATI, OH 45242	800-364-2059	2/8/2019	2/11/19			
8	CONSTRUCT CONNECT	KRISTY OSBORN	Kristy.osborn@constructconnect.com	CINCINNATI, OH	800-364-2059, X:8221 513-645-8004, X:7048	2/8/2019	2/11/19			
9	CONSTRUCT CONNECT	PETER VARQUEZ	Peter.Varquez@ConstructConnect.com	CINCINNATI, OH	770-849-6466	2/8/2019	2/11/19			
10	GOVWIN + ONVIA	JACQUELINE SESSA	jacquelinesessa@deltek.com	SEATTLE, WA	(206) 373-9150	2/8/2019	2/11/19			

OWNER / SPONSOR LIST

NO	COMPANY	CONTACT	EMAIL	ADDRESS CITY/STATE/ZIP	PHONE	BID DOCS SENT	ADD #1	ADD #2	ADD #3
1	COLUMBUS AIRPORT COMMISSION	AMBER CLARK SONYA OVERTON ANDRE PARKER	aclark@flycolumbusga.com soverton@flycolumbusga.co aparker@flycolumbusga.com	Columbus, GA 31909	706.324.2449 X 1413	2/11/19			
2	GEORGIA DEPARTMENT OF TRANSPORTATION	LEWIS WALKER	lewalker@dot.ga.gov MUST EMAIL	Barnesville, GA 30204	678.315.6514	2/11/19			
3	FAA ATLANTA ADO	NICK GOODLY ROB RAU	Nick.Goodly@FAA.gov Rob.Rau@FAA.gov	College Park, GA 30337	404.305.6745	2/11/19			

ITEM T-904 SODDING

DESCRIPTION

904-1.1 This item shall consist of furnishing, hauling, and placing approved live sod on prepared areas in accordance with this specification at the locations shown on the plans or as directed by the Engineer.

MATERIALS

904-2.1 Sod. Sod furnished by the Contractor shall have a good cover of living or growing grass. This shall be interpreted to include grass that is seasonally dormant during the cold or dry seasons and capable of renewing growth after the dormant period. All sod shall be obtained from areas where the soil is reasonably fertile and contains a high percentage of loamy topsoil. Sod shall be cut or stripped from living, thickly matted turf relatively free of weeds or other undesirable foreign plants, large stones, roots, or other materials which might be detrimental to the development of the sod or to future maintenance. At least 70% of the plants in the cut sod shall be composed of the species stated in the special provisions, and any vegetation more than 6 inches (150 mm) in height shall be mowed to a height of 3 inches (75 mm) or less before sod is lifted. Sod, including the soil containing the roots and the plant growth showing above, shall be cut uniformly to a thickness not less than that stated herein.

Millet grass is expressly prohibited from being a part of the sod anywhere on the project. Should the Contractor utilize Millet knowingly or unknowingly in the sod used on the project, an initial fine of \$1,000.00 will be levied. An additional \$1,000.00 per day fine shall be levied on the Contractor for each day the Millet seed is not removed from the sod used on the project. The fines levied shall be recorded daily and shall be deducted from the Contractor's earnings at the end of the project. The Contractor shall submit a certification of the sod provided for this project stating no millet is present or used in the sod.

904-2.2 Lime. Lime shall be ground limestone containing not less than 85% of total carbonates, and shall be ground to such fineness that 90% will pass through a No. 20 mesh sieve and 50% will pass through a No. 100 mesh sieve. Coarser material will be acceptable, providing the rates of application are increased to provide not less than the minimum quantities and depth specified in the special provisions on the basis of the two sieve requirements above. Dolomitic lime or a high magnesium lime shall contain at least 10% of magnesium oxide. Lime shall be applied at the rate of **800-1,000 lbs per acre**. All liming materials shall conform to the requirements of ASTM C602.

904-2.3 Fertilizer. Fertilizer shall be standard commercial fertilizers supplied separately or in mixtures containing the percentages of total nitrogen, available phosphoric acid, and water-soluble potash. They shall be applied at the rate and to the depth specified, and shall meet the requirements of applicable state laws. They shall be furnished in standard containers with name, weight, and guaranteed analysis of contents clearly marked thereon. No cyanamide compounds or hydrated lime shall be permitted in mixed fertilizers.

The fertilizers may be supplied in one of the following forms:

- a. A dry, free-flowing fertilizer suitable for application by a common fertilizer spreader;
- b. A finely-ground fertilizer soluble in water, suitable for application by power sprayers; or
- c. A granular or pellet form suitable for application by blower equipment.

Fertilizers shall be **10-10-10 (n-p-k)** commercial fertilizer and shall be spread at the rate of **400 pounds per acre**.

904-2.4 Water. The water shall be sufficiently free from oil, acid, alkali, salt, or other harmful materials that would inhibit the growth of grass. It shall be subject to the approval of the Engineer prior to use.

904-2.5 Soil for repairs. The soil for fill and topsoiling of areas to be repaired shall be at least of equal quality to that which exists in areas adjacent to the area to be repaired. The soil shall be relatively free from

large stones, roots, stumps, or other materials that will interfere with subsequent sowing of seed, compacting, and establishing turf, and shall be approved by the Engineer before being placed.

CONSTRUCTION METHODS

904-3.1 General. Areas to be solid, strip, or spot sodded shall be shown on the plans. Areas requiring special ground surface preparation such as tilling and those areas in a satisfactory condition that are to remain undisturbed shall also be shown on the plans.

Suitable equipment necessary for proper preparation of the ground surface and for the handling and placing of all required materials shall be on hand, in good condition, and shall be approved by the Engineer before the various operations are started. The Contractor shall demonstrate to the Engineer before starting the various operations that the application of required materials will be made at the specified rates.

904-3.2 Preparing the ground surface. After grading of areas has been completed and before applying fertilizer and limestone, areas to be sodded shall be raked or otherwise cleared of stones larger than 2 inches (50 mm) in any diameter, sticks, stumps, and other debris which might interfere with sodding, growth of grasses, or subsequent maintenance of grass-covered areas. If any damage by erosion or other causes occurs after grading of areas and before beginning the application of fertilizer and ground limestone, the Contractor shall repair such damage. This may include filling gullies, smoothing irregularities, and repairing other incidental damage.

904-3.3 Applying fertilizer and ground limestone. Following ground surface preparation, fertilizer shall be uniformly spread at a rate which will provide not less than the minimum quantity of each fertilizer ingredient, as stated in the special provisions. If use of ground limestone is required, it shall then be spread at a rate that will provide not less than the minimum quantity stated in the special provisions. These materials shall be incorporated into the soil to a depth of not less than 2 inches (50 mm) by discing, raking, or other suitable methods. Any stones larger than 2 inches (50 mm) in any diameter, large clods, roots, and other litter brought to the surface by this operation shall be removed.

904-3.4 Obtaining and delivering sod. After inspection and approval of the source of sod by the Engineer, the sod shall be cut with approved sod cutters to such a thickness that after it has been transported and placed on the prepared bed, but before it has been compacted, it shall have a uniform thickness of not less than 2 inches (50 mm). Sod sections or strips shall be cut in uniform widths, not less than 10 inches (250 mm), and in lengths of not less than 18 inches (0.5 m), but of such length as may be readily lifted without breaking, tearing, or loss of soil. Where strips are required, the sod must be rolled without damage with the grass folded inside. The Contractor may be required to mow high grass before cutting sod.

The sod shall be transplanted within 24 hours from the time it is stripped, unless circumstances beyond the Contractor's control make storing necessary. In such cases, sod shall be stacked, kept moist, and protected from exposure to the air and sun and shall be kept from freezing. Sod shall be cut and moved only when the soil moisture conditions are such that favorable results can be expected. Where the soil is too dry, permission to cut sod may be granted only after it has been watered sufficiently to moisten the soil to the depth the sod is to be cut.

904-3.5 Laying sod. Sodding shall be performed only during the seasons when satisfactory results can be expected. Frozen sod shall not be used and sod shall not be placed upon frozen soil. Sod may be transplanted during periods of drought with the approval of the Engineer, provided the sod bed is watered to moisten the soil to a depth of at least 4 inches (100 mm) immediately prior to laying the sod.

The sod shall be moist and shall be placed on a moist earth bed. Pitch forks shall not be used to handle sod, and dumping from vehicles shall not be permitted. The sod shall be carefully placed by hand, edge to edge and with staggered joints, in rows at right angles to the slopes, commencing at the base of the area to be sodded and working upward. The sod shall immediately be pressed firmly into contact with the sod bed by tamping or rolling with approved equipment to provide a true and even surface, and ensure knitting without displacement of the sod or deformation of the surfaces of sodded areas. Where the sod may be displaced during sodding operations, the workmen, when replacing it, shall work from ladders or treaded planks to prevent further displacement. Screened soil of good quality shall be used to fill all cracks between

sods. The quantity of the fill soil shall not cause smothering of the grass. Where the grades are such that the flow of water will be from paved surfaces across sodded areas, the surface of the soil in the sod after compaction shall be set approximately one inch (25 mm) below the pavement edge. Where the flow will be over the sodded areas and onto the paved surfaces around manholes and inlets, the surface of the soil in the sod after compaction shall be placed flush with pavement edges.

On slopes steeper than one (1) vertical to 2-1/2 horizontal and in v-shaped or flat-bottom ditches or gutters, the sod shall be pegged with wooden pegs not less than 12 inches (300 mm) in length and have a cross-sectional area of not less than 3/4 sq inch (18 sq mm). The pegs shall be driven flush with the surface of the sod.

904-3.6 Watering. Adequate water and watering equipment must be on hand before sodding begins, and sod shall be kept moist until it has become established and its continued growth assured. In all cases, watering shall be done in a manner that will avoid erosion from the application of excessive quantities and will avoid damage to the finished surface.

904-3.7 Establishing turf.

a. General. The Contractor shall provide general care for the sodded areas as soon as the sod has been laid and shall continue until final inspection and acceptance of the work.

b. Protection. All sodded areas shall be protected against traffic or other use by warning signs or barricades approved by the Engineer.

c. Mowing. The Contractor shall mow the sodded areas with approved mowing equipment, depending upon climatic and growth conditions and the needs for mowing specific areas. In the event that weeds or other undesirable vegetation are permitted to grow to such an extent that, either cut or uncut, they threaten to smother the sodded species, they shall be mowed and the clippings raked and removed from the area.

904-3.8 Repairing. When the surface has become gullied or otherwise damaged during the period covered by this contract, the affected areas shall be repaired to re-establish the grade and the condition of the soil, as directed by the Engineer, and shall then be sodded as specified in paragraph 904-3.5.

METHOD OF MEASUREMENT

904-4.1 This item shall be measured on the basis of the area in square yards of the surface covered with sod and accepted.

BASIS OF PAYMENT

904-5.1 This item will be paid for on the basis of the contract unit price per square yard for sodding, which price shall be full compensation for all labor, equipment, material, staking, and incidentals necessary to satisfactorily complete the items as specified.

Payment will be made under:

Item T-904-5.1 Sodding - per square yard

MATERIAL REQUIREMENTS

ASTM C602 Standard Specification for Agricultural Liming Materials

END OF ITEM T-904

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**ITEM SP-T-904 SODDING
SPECIAL PROVISION****DESCRIPTION**

RETAIN Section as written.

MATERIALS

RETAIN Section as written with the following exceptions.

REPLACE paragraph 904-2.1 with the following:

904-2.1 Sod. Sod furnished by the Contractor shall have a good cover of living or growing grass. This shall be interpreted to include grass that is seasonally dormant during the cold or dry seasons and capable of renewing growth after the dormant period. All sod shall be obtained from areas where the soil is reasonably fertile and contains a high percentage of loamy topsoil. Sod shall be cut or stripped from living, thickly matted turf relatively free of weeds or other undesirable foreign plants, large stones, roots, or other materials that might be detrimental to the development of the sod or to future maintenance. At least 70% of the plants in the cut sod shall be composed of the species stated in the special provisions, and any vegetation more than 6 inches (150 mm) in height shall be mowed to a height of 3 inches (75 mm) or less before sod is lifted. Sod, including the soil containing the roots and the plant growth showing above, shall be cut uniformly to a thickness not less than that stated herein.

Millet grass and tropical soda apple plants are expressly prohibited from being a part of the sod anywhere on the project. Should the Contractor utilize Millet or Tropical Soda Apple knowingly or unknowingly in the sod used on the project, an initial fine of \$1,000.00 will be levied. An additional \$1,000.00 per day fine shall be levied on the Contractor for each day the Millet seed is not removed from the sod used on the project. The fines levied shall be recorded daily and shall be deducted from the Contractor's earnings at the end of the project. The Contractor shall submit a certification of the sod provided for this project stating no millet or soda apple is present or used in the sod.

REPLACE paragraph 904-2.2 with the following:

904-2.2 Lime. Lime shall conform to the requirements of 901-2.2.

REPLACE paragraph 904-2.3 with the following:

904-2.3 Fertilizer. Fertilizer shall be standard commercial fertilizers supplied separately or in mixtures containing the percentages of total nitrogen, available phosphoric acid, and water-soluble potash. They shall be applied at the rate and to the depth specified, and shall meet the requirements of applicable state laws. They shall be furnished in standard containers with name, weight, and guaranteed analysis of contents clearly marked thereon. No cyanamide compounds or hydrated lime shall be permitted in mixed fertilizers.

The fertilizers may be supplied in one of the following forms:

- a. A dry, free-flowing fertilizer suitable for application by a common fertilizer spreader;
- b. A finely-ground fertilizer soluble in water, suitable for application by power sprayers; or
- c. A granular or pellet form suitable for application by blower equipment.

Fertilizers shall be 10-10-10 (n-p-k) commercial fertilizer and shall be spread at the rate of 100 pounds per acre as a minimum or type and rate as recommended by the United States Department of Agriculture Local Extension Service Office to achieve the best results for the time of year, placement geography and irrigation conditions.

REPLACE paragraph 904-2.3 with the following:

904-2.5 SOIL FOR REPAIRS. The soil for fill and topsoiling of areas to be repaired prior to any sod placement, shall be at least of equal quality to that which exists in areas adjacent to the area to be repaired. The soil shall be free from stones larger than 2-inches (50 mm) in any diameter, sticks, stumps, and other debris that might interfere with sodding, growth of grasses, or subsequent maintenance of grass covered areas. Such soil shall comply with requirements of Item P-152, Excavation and Embankment, for embankment or topsoil depending on location and placement, as directed by the Engineer. The Engineer shall approve material before material is placed.

CONSTRUCTION METHODS

REPLACE paragraph 904-3.3 with the following:

904-3.3 Applying fertilizer and ground limestone. Following ground surface preparation, fertilizer shall be uniformly spread at a rate which will provide not less than the minimum quantity of each fertilizer ingredient, as stated in the Section 901-2.3, Fertilizer. If use of ground limestone is required, it shall then be spread at a rate that will provide not less than the minimum quantity stated in the T-901, Seeding, Section 901-2.2, Lime. These materials shall be incorporated into the soil to a depth of not less than 2 inches (50 mm) by discing, raking, or other suitable methods. Any stones larger than 2 inches (50 mm) in any diameter, large clods, roots, and other litter brought to the surface by this operation shall be removed.

REPLACE paragraph 904-3.4 with the following:

904-3.4 Obtaining and delivering sod. After inspection and approval of the source of sod by the Engineer, the sod shall be cut with approved sod cutters to such a thickness that after it has been transported and placed on the prepared bed, but before it has been compacted, it shall have a uniform thickness of not less than 2 inches (50 mm). Sod sections or strips shall be cut in uniform widths, not less than 10 inches (250 mm), and in lengths of not less than 18 inches (0.5 m), but of such length as may be readily lifted without breaking, tearing, or loss of soil. Where strips are required, the sod must be rolled without damage with the grass folded inside. The Contractor may be required to mow high grass before cutting sod.

The sod shall be transplanted within 24 hours from the time it is stripped, unless circumstances beyond the Contractor's control make storing necessary. In such cases, sod shall be stacked, kept moist, and protected from exposure to the air and sun and shall be kept from freezing. Sod shall be cut and moved only when the soil moisture conditions are such that favorable results can be expected. Where the soil is too dry, permission to cut sod may be granted only after it has been watered sufficiently to moisten the soil to the depth the sod is to be cut.

The Contractor shall, for each load of sod, submit a written certification from the sod source certifying the sod sources are free of Tropical Soda Apple seed source and plants as well as Millet seed. Any Tropical Soda Apple plants or Millet seed that propagate in the areas of new sod shall be controlled by the Contractor, at the Contractor's sole cost without compensation, until all Tropical Soda Apple plants and/or Millet grass have been eradicated in the affected areas. The time frame for eradication or emergence of plant specimens shall be the full and complete Warranty Period or as directed by the Owner.

REPLACE paragraph 904-3.6 with the following:

904-3.6 Watering. Adequate water and watering equipment must be on hand before sodding begins, and sod shall be kept moist until it has become established and its continued growth assured. In all cases, watering shall be done in a manner that will avoid erosion from the application of excessive quantities and will avoid damage to the finished surface. **The Contractor will be required to water sodded areas three days per week until the sod is well established,** has

good color and is approved by the Engineer. The Contractor shall water every other day such that the sod is watered at least three times per week. If the Contractor does not water the required three days per week, the days missed shall have the payment for sod per square foot reduced at a pro-rata share based upon the number of total days calculated for watering (less any rain days) times the number of days missed. It is imperative that the Contractor water consistently to ensure proper sod growth.

REPLACE paragraph 904-3.7 with the following:

904-3.7 Establishing turf.

a. General. The Contractor shall provide general care for the sodded areas as soon as the sod has been laid and shall continue until final inspection and acceptance of the work.

b. Protection. All sodded areas shall be protected against traffic or other use by warning signs or barricades approved by the Engineer.

c. Mowing. Maintenance mowing of sodding placed on private parcels is not a part of this contract.

METHOD OF MEASUREMENT

REPLACE Section in entirety with the following:

904-4.1 This item is considered incidental to site restoration associated with other work elements, and will not be separately measured for payment.

BASIS OF PAYMENT

REPLACE Section in entirety with the following:

904-5.1 This item is considered incidental to site restoration associated with other work elements, and will not be separately paid.

TESTING REQUIREMENTS

RETAIN Section as written.

MATERIAL REQUIREMENTS

RETAIN Section as written.

END OF SPECIAL PROVISION SP-T-904

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COLUMBUS,
GEORGIA

BID
SCHEDULE A:
RUNWAY 6-24
OBSTRUCTION
MITIGATION

CONSULTANTS

SUMMARY OF QUANTITIES			
BID SCHEDULE A: RUNWAY 6-24 BASE BID			
ITEM No.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY
P-100-3.1	MOBILIZATION AND GENERAL CONDITIONS	LSUM	1
P-102-10.1	SAFETY AND SECURITY	LSUM	1
P-105-5.1	TEMPORARY CONSTRUCTION ITEMS	LSUM	1
P-151-4.3.01	REMOVE 24" PINE, #464, PARCEL 94	EACH	1
P-151-4.3.02	REMOVE 26" PINE, #463, PARCEL 95	EACH	1
P-151-4.3.03	REMOVE 15" OAK, #483, PARCEL 99	EACH	1
P-151-4.3.04	REMOVE 17" OAK, #1035, PARCEL 99	EACH	1
P-151-4.3.05	REMOVE 30" SUGARBERRY, #1037, PARCEL C	EACH	1
P-151-4.3.06	REMOVE 18" SUGARBERRY, #467, PARCEL 90	EACH	1
P-151-4.3.07	REMOVE 16" SUGARBERRY, #468, PARCEL 90	EACH	1
P-151-4.3.08	REMOVE 12" SUGARBERRY, #1039, PARCEL 90	EACH	1
P-151-4.3.09	REMOVE 12" SUGARBERRY, #1040, PARCEL 90	EACH	1
P-151-4.3.10	REMOVE 16" OAK, #466, PARCEL 91	EACH	1
P-151-4.3.11	REMOVE 22" SUGARBERRY, #1038, PARCEL 91	EACH	1
P-151-4.3.12	REMOVE 20" OAK, #1041, PARCEL 92	EACH	1
P-151-4.3.13	REMOVE 26" OAK, #465, PARCEL 93	EACH	1
P-151-4.3.14	REMOVE 24" OAK, #1042, PARCEL 93	EACH	1
P-151-4.3.15	REMOVE 24" OAK, #1043, PARCEL 93	EACH	1
P-151-4.3.16	REMOVE 24" OAK, #15, PARCEL 131	EACH	1
P-151-4.3.17	REMOVE 18" OAK, #1044, PARCEL 131	EACH	1
P-151-4.3.18	REMOVE 24" PINE, #1035, PARCEL 130	EACH	1
P-151-4.3.19	REMOVE 15" OAK, #1036, PARCEL 100	EACH	1
P-151-4.3.20	REMOVE 22" PINE, #479, PARCEL 101	EACH	1
P-151-4.3.21	REMOVE 18" PINE, #480, PARCEL 101	EACH	1
P-151-4.3.22	REMOVE 20" OAK, #481, PARCEL 101	EACH	1
P-151-4.3.23	REMOVE 16" PINE, #1025, PARCEL 101	EACH	1
P-151-4.3.24	REMOVE 22" OAK, #1027, PARCEL 101	EACH	1
P-151-4.2.01	CLEAR AND GRUB, CSG-1 (AIRSIDE), COLUMBUS AIRPORT	AC	1.8
P-151-4.3.25	REMOVE 30" SWEET GUM, #1029, PITTMAN ST. ROW AT PARCEL 81	EACH	1
P-151-4.3.26	REMOVE 24" SWEET GUM, #20, PARCEL 81	EACH	1

SUMMARY OF QUANTITIES			
BID SCHEDULE A: RUNWAY 6-24 ALTERNATE BID ITEMS			
ITEM No.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY
P-151-4.4.01	TRIM 24" PINE TO ELEV 455, #464, PARCEL 94	EACH	1
P-151-4.4.02	TRIM 26" PINE TO ELEV 454, #463, PARCEL 95	EACH	1
P-151-4.4.03	TRIM 15" OAK TO ELEV 445, #483, PARCEL 99	EACH	1
P-151-4.4.04	TRIM 17" OAK TO ELEV 444, #1035, PARCEL 99	EACH	1
P-151-4.4.05	TRIM 30" SUGARBERRY TO ELEV 442, #1037, PARCEL C	EACH	1
P-151-4.4.06	TRIM 18" SUGARBERRY TO ELEV 447, #467, PARCEL 90	EACH	1
P-151-4.4.07	TRIM 16" SUGARBERRY TO ELEV 446, #468, PARCEL 90	EACH	1
P-151-4.4.08	TRIM 12" SUGARBERRY TO ELEV 448, #1039, PARCEL 90	EACH	1
P-151-4.4.09	TRIM 12" SUGARBERRY TO ELEV 448, #1040, PARCEL 90	EACH	1
P-151-4.4.10	TRIM 16" OAK TO ELEV 450, #466, PARCEL 91	EACH	1
P-151-4.4.11	TRIM 22" SUGARBERRY TO ELEV 448, #1038, PARCEL 91	EACH	1
P-151-4.4.12	TRIM 20" OAK TO ELEV 448, #1041, PARCEL 92	EACH	1
P-151-4.4.13	TRIM 26" OAK TO ELEV 448, #465, PARCEL 93	EACH	1
P-151-4.4.14	TRIM 24" OAK TO ELEV 448, #1042, PARCEL 93	EACH	1
P-151-4.4.15	TRIM 24" OAK TO ELEV 446, #1043, PARCEL 93	EACH	1
P-151-4.4.16	TRIM 24" OAK TO ELEV 443, #15, PARCEL 131	EACH	1
P-151-4.4.17	TRIM 18" OAK TO ELEV 443, #1044, PARCEL 131	EACH	1
P-151-4.4.18	TRIM 24" PINE TO ELEV 454, #1035, PARCEL 130	EACH	1
P-151-4.4.19	TRIM 15" OAK TO ELEV 445, #1036, PARCEL 100	EACH	1
P-151-4.4.20	TRIM 22" PINE TO ELEV 449, #479, PARCEL 101	EACH	1
P-151-4.4.21	TRIM 18" PINE TO ELEV 447, #480, PARCEL 101	EACH	1
P-151-4.4.22	TRIM 20" OAK TO ELEV 445, #481, PARCEL 101	EACH	1
P-151-4.4.23	TRIM 16" PINE TO ELEV 448, #1025, PARCEL 101	EACH	1
P-151-4.4.24	TRIM 22" OAK TO ELEV 446, #1027, PARCEL 101	EACH	1
P-151-4.4.25	TRIM 30" SWEET GUM TO ELEV 443, #1029, PITTMAN ST. ROW AT PARCEL 81	EACH	1
P-151-4.4.26	TRIM 24" SWEET GUM TO ELEV 443, #20, PARCEL 81	EACH	1

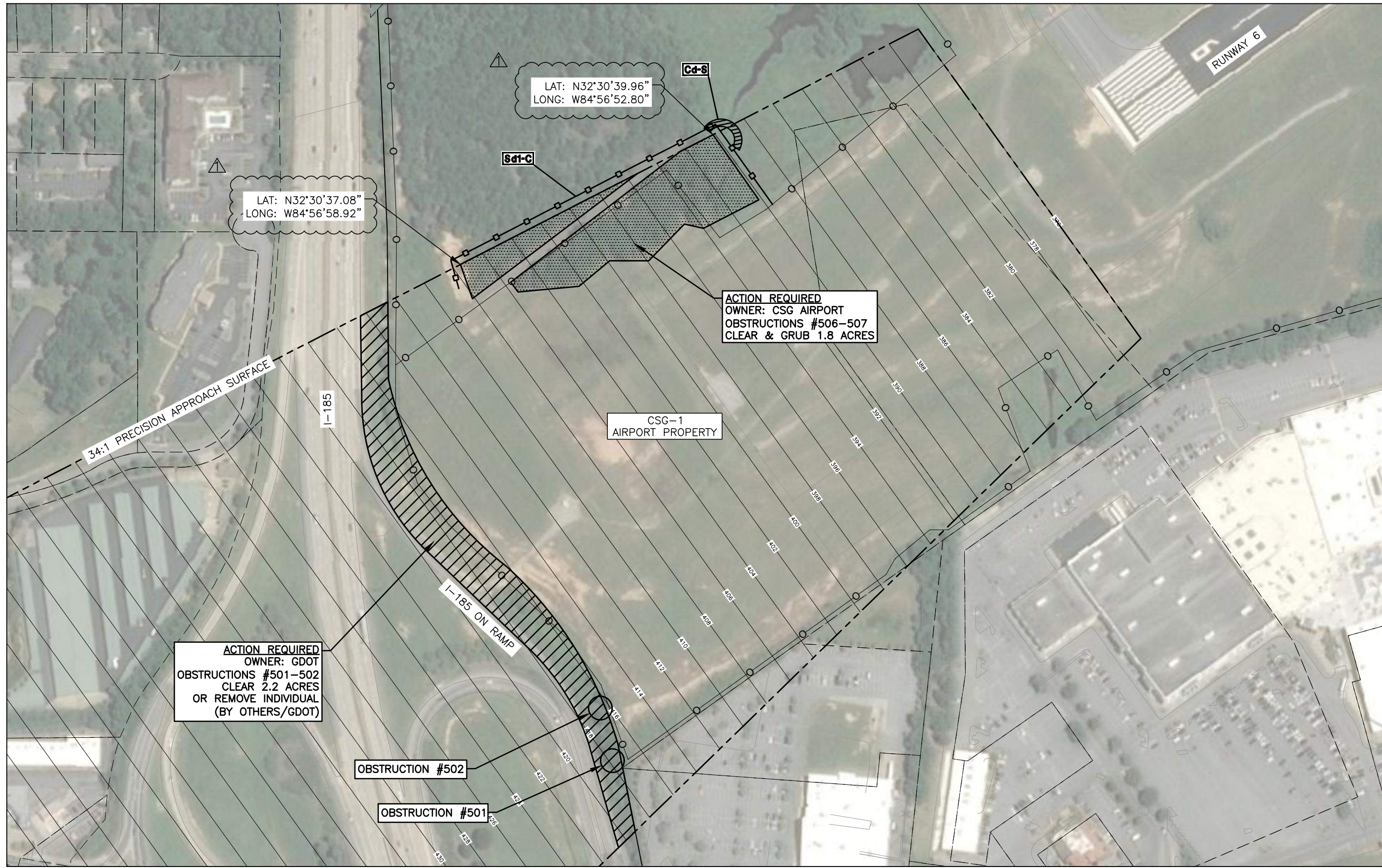
INDEX OF SHEETS		
BID SCHEDULE A: RUNWAY 6-24 OBSTRUCTION MITIGATION		
DRAWING NUMBER	SHEET NUMBER	SHEET TITLE
C000	1	PROGRAM A COVER SHEET
C001	2	RUNWAY 6-24 SUMMARY OF QUANTITIES & INDEX OF SHEETS
C002	3	RUNWAY 6-24 SCOPE OF OBSTRUCTION REMOVAL
C003	4	AIRFIELD SAFETY AND SECURITY
C004	5	AIRFIELD ACCESS PLAN
C005	6	LANDSIDE MAINTENANCE OF TRAFFIC DETAILS
C010	7	PRIVATELY OWNED PARCELS KEY MAP
C011	8	GDOT & PUBLIC OWNED KEY MAP
C101	9	RUNWAY 6-24 OBSTRUCTION REMOVAL PLAN PARCEL 81
C102	10	RUNWAY 6-24 OBSTRUCTION REMOVAL PLAN PARCELS 90-93
C102A	11	RUNWAY 6-24 OBSTRUCTION REMOVAL PLAN PARCEL 131
C103	12	RUNWAY 6-24 OBSTRUCTION REMOVAL PLAN PARCEL 94
C104	13	RUNWAY 6-24 OBSTRUCTION REMOVAL PLAN PARCEL 95
C104A	14	RUNWAY 6-24 OBSTRUCTION REMOVAL PLAN PARCEL 130
C105	15	RUNWAY 6-24 OBSTRUCTION REMOVAL PLAN PARCEL 99
C105A	16	RUNWAY 6-24 OBSTRUCTION REMOVAL PLAN PARCEL "C"
C106	17	RUNWAY 6-24 OBSTRUCTION REMOVAL PLAN PARCEL 100
C107	18	RUNWAY 6-24 OBSTRUCTION REMOVAL PLAN PARCEL 101
C108	19	RUNWAY 6-24 OBSTRUCTION REMOVAL PLAN PARCEL 96
C109	20	RUNWAY 6-24 OBSTRUCTION REMOVAL PLAN CSG-1
C401	21	BMP DETAILS

REVISIONS		
NO.	DESCRIPTION	DATE
1	ADDENDUM 01	2/28/19

DATE ISSUED: FEBRUARY, 2019
REVIEWED BY: **BCT**
DRAWN BY: **PAB**
DESIGNED BY: **PAB**
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SHEET TITLE
RUNWAY 6-24
SUMMARY OF
QUANTITIES
& INDEX
OF SHEETS

SHEET NUMBER
C001
ADDENDUM 01



REVISIONS

NO.	DESCRIPTION	DATE
△	ADDENDUM 01	2/28/19





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SHEET TITLE
**RUNWAY 6-24
 OBSTRUCTION
 REMOVAL
 PLAN
 CSG-1**
 SHEET NUMBER
C109

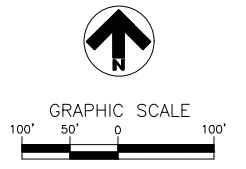
ADDENDUM 01

LEGEND

-  CLEAR & GRUB
-  BY OTHERS/GDOT
-  NON-SENSITIVE SILT FENCE
-  STONE CHECK DAM

NOTES

1. FIELD VERIFY LOCATION OF OBSTRUCTIONS PRIOR TO CORRECTIVE ACTION.
2. MUSCOGEE COUNTY TAX PARCEL 070 002 014.
3. FOR FULL SCOPE OF OBSTRUCTION REMOVAL AND DETAILS FOR REFERENCED OBSTRUCTIONS ON THIS SHEET, REFER TO SHEET C002.
4. FOR MAINTENANCE OF TRAFFIC DETAILS, REFER TO SHEET C005.
5. FOR KEY MAP OF PRIVATELY OWNED OBSTRUCTIONS, REFER TO SHEET C010.
6. FOR KEY MAP OF GDOT OR PUBLIC OBSTRUCTIONS, REFER TO SHEET C011.
7. PROVIDE CRUSHED STONE CONSTRUCTION ENTRANCE/EXIT. LOCATION AS APPROVED.
8. FOR EROSION & SEDIMENTATION CONTROL DETAILS, REFER TO SHEET C401.





COLUMBUS,
GEORGIA

BID
SCHEDULE B:
RUNWAY 13-31
OBSTRUCTION
MITIGATION

CONSULTANTS

SUMMARY OF QUANTITIES			
BID SCHEDULE B: RUNWAY 13-31 BASE BID			
ITEM No.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY
P-100-3.1	MOBILIZATION AND GENERAL CONDITIONS	LSUM	1
P-102-10.1	SAFETY AND SECURITY	LSUM	1
P-105-5.1	TEMPORARY CONSTRUCTION ITEMS	LSUM	1
P-151-4.3.51	REMOVE 36" OAK, #58, PARCEL 121	EACH	1
P-151-4.3.52	REMOVE 20" PINE, #1001, PARCEL 121	EACH	1
P-151-4.3.53	REMOVE 18" PINE, #55, PARCEL 122	EACH	1
P-151-4.3.54	REMOVE 24" PINE, #56, PARCEL 122	EACH	1
P-151-4.3.55	REMOVE 22" PINE, #1046, PARCEL 122	EACH	1
P-151-4.3.56	REMOVE 24" PINE, #1048, PARCEL 122	EACH	1
P-151-4.3.57	REMOVE 26" PINE, #1051, PARCEL G	EACH	1
P-151-4.3.58	REMOVE 10" BIRCH (DOUBLE), #1054, PARCEL 129	EACH	1
L-100-8.2	RELOCATE LIGHT POLE ON NEW BASE & REMOVE EXISTING BASE, COMPLETE, PARCEL 129	EACH	1
P-151-4.3.59	REMOVE 12" BIRCH, #1056, PARCEL 129	EACH	1
L-100-8.3	REMOVE AND REPLACE LIGHT POLE ON EXISTING BASE, REINSTALL FIXTURE TO MAX ELEV 424, COMPLETE, PARCEL 113	EACH	1
P-151-4.2.51	CLEAR AND GRUB, PARCEL 113	AC	0.1
P-151-4.2.52	CLEAR AND GRUB, PARCEL 114	AC	1.6
P-151-4.3.60	REMOVE UNKNOWN TREE, #69, PARCEL J	EACH	1
P-151-4.3.61	REMOVE 18" PINE, #102, PARCEL 115	EACH	1
P-151-4.3.62	REMOVE 28" PINE, #108, PARCEL 115	EACH	1
P-151-4.3.63	REMOVE 18" PINE, #109, PARCEL 115	EACH	1
P-151-4.3.64	REMOVE 18" PINE, #1008, PARCEL 115	EACH	1
P-151-4.3.65	REMOVE 20" PINE, #1030, PARCEL 115	EACH	1
P-151-4.3.66	REMOVE 30" OAK, #101, PARCEL 116	EACH	1
P-151-4.3.67	REMOVE 26" OAK, #1031, PARCEL 116	EACH	1
P-151-4.3.68	REMOVE 20" PINE, #1032, PARCEL 116	EACH	1
P-151-4.3.69	REMOVE 18" PINE, #1033, PARCEL 116	EACH	1
P-151-4.3.70	REMOVE 20" PINE, #1034, PARCEL 116	EACH	1
P-151-4.3.71	REMOVE 30" PECAN, #96, PARCEL 117	EACH	1
P-151-4.3.72	REMOVE 26" PINE, #1012, PARCEL 117/PARCEL 118	EACH	1
P-151-4.3.73	REMOVE 24" PINE, #1013, PARCEL 117	EACH	1
P-151-4.3.74	REMOVE 20" PINE, #1014, PARCEL 127	EACH	1
P-151-4.3.75	REMOVE 20" SWEET GUM, #1015, PARCEL 127	EACH	1
P-151-4.3.76	REMOVE 28" PINE, #95, PARCEL 118	EACH	1
P-151-4.3.77	REMOVE 26" PINE, #1011, PARCEL 118	EACH	1
P-151-4.3.78	REMOVE 22" SUGAR GUM, #100, PARCEL 118	EACH	1
P-151-4.3.79	REMOVE 24" PINE, #93, PARCEL 118/PARCEL F	EACH	1
P-151-4.3.80	REMOVE 22" PINE, #1009, PARCEL F	EACH	1
P-151-4.3.81	REMOVE 16" PINE, #94, PARCEL F	EACH	1
P-151-4.3.82	REMOVE 15" OAK, #92, PARCEL F	EACH	1
P-151-4.3.83	REMOVE 12" PINE, #1023, PARCEL F	EACH	1
P-151-4.3.84	REMOVE 22" PINE, #1024, PARCEL F	EACH	1
P-151-4.3.85	REMOVE 30" OAK, #60, PARCEL 119	EACH	1
P-151-4.3.86	REMOVE 32" OAK, #61, PARCEL 120	EACH	1
P-151-4.1.51	CLEAR, CSG-2 (LANDSIDE), COLUMBUS AIRPORT	AC	1.4
P-151-4.2.53	CLEAR AND GRUB, CSG-3 (LANDSIDE), COLUMBUS AIRPORT	AC	1.0
P-151-4.2.54	CLEAR AND GRUB, PARCEL 113 ROW	AC	0.2
P-151-4.2.55	CLEAR AND GRUB, PARCEL 114 ROW	AC	0.2

SUMMARY OF QUANTITIES			
BID SCHEDULE B: RUNWAY 13-31 ALTERNATE BID ITEMS			
ITEM No.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY
P-151-4.4.51	TRIM 36" OAK TO ELEV 506, #58, PARCEL 121	EACH	1
P-151-4.4.52	TRIM 20" PINE TO ELEV 505, #1001, PARCEL 121	EACH	1
P-151-4.4.53	TRIM 18" PINE TO ELEV 520, #55, PARCEL 122	EACH	1
P-151-4.4.54	TRIM 24" PINE TO ELEV 518, #56, PARCEL 122	EACH	1
P-151-4.4.55	TRIM 22" PINE TO ELEV 517, #1046, PARCEL 122	EACH	1
P-151-4.4.56	TRIM 24" PINE TO ELEV 521, #1048, PARCEL 122	EACH	1
P-151-4.4.57	TRIM 26" PINE TO ELEV 518, #1051, PARCEL G	EACH	1
P-151-4.4.58	TRIM 10" BIRCH (DOUBLE) TO ELEV 414, #1054, PARCEL 129	EACH	1
P-151-4.4.59	TRIM 12" BIRCH TO ELEV 416, #1056, PARCEL 129	EACH	1
P-151-4.4.60	TRIM UNKNOWN TREE TO ELEV 480, #69, PARCEL J	EACH	1
P-151-4.4.61	TRIM 18" PINE TO ELEV 445, #102, PARCEL 115	EACH	1
P-151-4.4.62	TRIM 28" PINE TO ELEV 437, #108, PARCEL 115	EACH	1
P-151-4.4.63	TRIM 18" PINE TO ELEV 438, #109, PARCEL 115	EACH	1
P-151-4.4.64	TRIM 18" PINE TO ELEV 444, #1008, PARCEL 115	EACH	1
P-151-4.4.65	TRIM 20" PINE TO ELEV 440, #1030, PARCEL 115	EACH	1
P-151-4.4.66	TRIM 30" OAK TO ELEV 453, #101, PARCEL 116	EACH	1
P-151-4.4.67	TRIM 26" OAK TO ELEV 453, #1031, PARCEL 116	EACH	1
P-151-4.4.68	TRIM 20" PINE TO ELEV 444, #1032, PARCEL 116	EACH	1
P-151-4.4.69	TRIM 18" PINE TO ELEV 443, #1033, PARCEL 116	EACH	1
P-151-4.4.70	TRIM 20" PINE TO ELEV 440, #1034, PARCEL 116	EACH	1
P-151-4.4.71	TRIM 30" PECAN TO ELEV 456, #96, PARCEL 117	EACH	1
P-151-4.4.72	TRIM 26" PINE TO ELEV 452, #1012, PARCEL 117/PARCEL 118	EACH	1
P-151-4.4.73	TRIM 24" PINE TO ELEV 451, #1013, PARCEL 117	EACH	1
P-151-4.4.74	TRIM 20" PINE TO ELEV 446, #1014, PARCEL 127	EACH	1
P-151-4.4.75	TRIM 20" SWEET GUM TO ELEV 446, #1015, PARCEL 127	EACH	1
P-151-4.4.76	TRIM 28" PINE TO ELEV 465, #95, PARCEL 118	EACH	1
P-151-4.4.77	TRIM 26" PINE TO ELEV 465, #1011, PARCEL 118	EACH	1
P-151-4.4.78	TRIM 22" SUGAR GUM TO ELEV 456, #100, PARCEL 118	EACH	1
P-151-4.4.79	TRIM 24" PINE TO ELEV 468, #93, PARCEL 118/PARCEL F	EACH	1
P-151-4.4.80	TRIM 22" PINE TO ELEV 467, #1009, PARCEL F	EACH	1
P-151-4.4.81	TRIM 16" PINE TO ELEV 467, #94, PARCEL F	EACH	1
P-151-4.4.82	TRIM 15" OAK TO ELEV 478, #92, PARCEL F	EACH	1
P-151-4.4.83	TRIM 12" PINE TO ELEV 478, #1023, PARCEL F	EACH	1
P-151-4.4.84	TRIM 22" PINE TO ELEV 477, #1024, PARCEL F	EACH	1
P-151-4.4.85	TRIM 30" OAK TO ELEV 491, #60, PARCEL 119	EACH	1
P-151-4.4.86	TRIM 32" OAK TO ELEV 494, #61, PARCEL 120	EACH	1

INDEX OF SHEETS		
BID SCHEDULE B: RUNWAY 13-31 OBSTRUCTION MITIGATION		
DRAWING NUMBER	SHEET NUMBER	SHEET TITLE
C000	1	PROGRAM B COVER SHEET
C001	2	RUNWAY 13-31 SUMMARY OF QUANTITIES & INDEX OF SHEETS
C002	3	RUNWAY 13-31 SCOPE OF OBSTRUCTION REMOVAL
C003	4	AIRFIELD SAFETY AND SECURITY
C005	5	LANDSIDE MAINTENANCE OF TRAFFIC DETAILS
C010	6	PRIVATELY OWNED PARCELS KEY MAP
C011	7	GDOT & PUBLIC OWNED KEY MAP
C201	8	RUNWAY 13-31 OBSTRUCTION REMOVAL PLAN PARCELS 113, 114, & "J"
C202	9	RUNWAY 13-31 OBSTRUCTION REMOVAL PLAN PARCEL 115
C203	10	RUNWAY 13-31 OBSTRUCTION REMOVAL PLAN PARCEL 116
C204	11	RUNWAY 13-31 OBSTRUCTION REMOVAL PLAN PARCEL 117
C204A	12	RUNWAY 13-31 OBSTRUCTION REMOVAL PLAN PARCEL 127
C205	13	RUNWAY 13-31 OBSTRUCTION REMOVAL PLAN PARCEL 118
C205A	14	RUNWAY 13-31 OBSTRUCTION REMOVAL PLAN PARCEL "F"
C206	15	RUNWAY 13-31 OBSTRUCTION REMOVAL PLAN PARCEL 119
C207	16	RUNWAY 13-31 OBSTRUCTION REMOVAL PLAN PARCEL 120
C208	17	RUNWAY 13-31 OBSTRUCTION REMOVAL PLAN PARCEL 121
C209	18	RUNWAY 13-31 OBSTRUCTION REMOVAL PLAN PARCEL 122
C209A	19	RUNWAY 13-31 OBSTRUCTION REMOVAL PLAN PARCEL "G"
C210	19	RUNWAY 13-31 OBSTRUCTION REMOVAL PLAN PARCEL 124
C211	20	RUNWAY 13-31 OBSTRUCTION REMOVAL PLAN PARCEL 129
C212	21	RUNWAY 13-31 OBSTRUCTION REMOVAL PLAN CSG-2
C213	22	RUNWAY 13-31 OBSTRUCTION REMOVAL PLAN CSG-3
C301	23	TYPICAL OBSTRUCTION DETAILS
C401	24	BMP DETAILS

REVISIONS		
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SHEET TITLE
**RUNWAY 13-31
SUMMARY OF
QUANTITIES
& INDEX
OF SHEETS**

SHEET NUMBER
C001

ADDENDUM 01

PROGRAM B: SCOPE OF WORK

IMPACTED RUNWAY	PARCEL	SHEET	PARCEL ADDRESS	EASEMENT	APPROACH OBSTRUCTION No.	AIRSPACE ELEVATION	TOP OF OBSTRUCTION	CLEARANCE	PROPOSED ACTION		PROPOSED ACTION		NOTES		
									ITEM No.	BASE BID	ITEM No.	ALTERNATE			
RWY 13- ELIGIBLE	13	121	C208	2539 ALMA STREET	NEW	58	516.9	509	7.9	P-151-4.3.51	REMOVE	P-151-4.4.51	TRIM TO 506		
	13	121	C208	2539 ALMA STREET	NEW	1001	515.3	506	9.3	P-151-4.3.52	REMOVE	P-151-4.4.52	TRIM TO 505		
	13	122	C209	2539 ALMA STREET	NEW	55	530.2	527	3.2	P-151-4.3.53	REMOVE	P-151-4.4.53	TRIM TO 520		
	13	122	C209	2539 ALMA STREET	NEW	56	528.5	522	6.5	P-151-4.3.54	REMOVE	P-151-4.4.54	TRIM TO 518		
	13	122	C209	2539 ALMA STREET	NEW	1046	527.0	518	9.0	P-151-4.3.55	REMOVE	P-151-4.4.55	TRIM TO 517		
	13	122	C209	2539 ALMA STREET	NEW	1048	531.3	523	8.3	P-151-4.3.56	REMOVE	P-151-4.4.56	TRIM TO 521		
	13	G	C209A	5575 ARMOUR ROAD	NEW	1051	528.6	529	-0.4	P-151-4.3.57	REMOVE	P-151-4.4.57	TRIM TO 518		
	13	129	C211	2777 AIRPORT THRUWAY	NEW	1054	424.5	429	-4.5	P-151-4.3.58	REMOVE	P-151-4.4.58	TRIM TO 414		
	13	129	C211	2777 AIRPORT THRUWAY	NEW	1055	424.1	429	-4.6	L-100-8.2	RELOCATE	-	-		
	13	129	C211	2777 AIRPORT THRUWAY	NEW	1056	426.7	431	-4.3	P-151-4.3.59	REMOVE	P-151-4.4.59	TRIM TO 416		
	13	129	C211	2777 AIRPORT THRUWAY	NEW	1058	434.3	441	-6.7	L-100-8.3	REPLACE POLE	-	-	TOP ELEVATION NTE 424	
	RWY 13- NON-ELIGIBLE	13	113	C201	5315 ARMOUR ROAD	CSG	87	451.0	459	-8.0	P-151-4.2.51	CLEAR & GRUB	-	-	CSG AIRPORT PROPERTY
		13	114	C201	5349 ARMOUR ROAD	CSG	79	462.4	466	-3.6	P-151-4.2.52	CLEAR & GRUB	-	-	CSG AIRPORT PROPERTY
		13	114	C201	5349 ARMOUR ROAD	CSG	80	464.1	464	0.1					CSG AIRPORT PROPERTY
		13	114	C201	5349 ARMOUR ROAD	CSG	81	463.3	468	-4.7					CSG AIRPORT PROPERTY
		13	114	C201	5349 ARMOUR ROAD	CSG	82	462.9	473	-10.1					CSG AIRPORT PROPERTY
		13	114	C201	5349 ARMOUR ROAD	CSG	84	450.3	458	-7.7					CSG AIRPORT PROPERTY
		13	114	C201	5349 ARMOUR ROAD	CSG	1014	465.3	459	6.3					CSG AIRPORT PROPERTY
13		J	C201	6443 ARMOUR ROAD	PRIOR	69	490.0	TBD	TBD	P-151-4.3.60	REMOVE	P-151-4.4.60	TRIM TO 480	SURVEY PENDING: TAX PARCEL 070 020 003, VERIFY TOP OF OBSTRUCTION	
13		115	C202	5446 ARMOUR ROAD	PRIOR	102	455.3	474	-18.7	P-151-4.3.61	REMOVE	P-151-4.4.61	TRIM TO 445		
13		115	C202	5446 ARMOUR ROAD	PRIOR	108	447.8	455	-7.2	P-151-4.3.62	REMOVE	P-151-4.4.62	TRIM TO 437		
13		115	C202	5446 ARMOUR ROAD	PRIOR	109	448.3	463	-14.7	P-151-4.3.63	REMOVE	P-151-4.4.63	TRIM TO 438		
13		115	C202	5446 ARMOUR ROAD	PRIOR	1008	454.9	472	-17.1	P-151-4.3.64	REMOVE	P-151-4.4.64	TRIM TO 444		
13		115	C202	5446 ARMOUR ROAD	PRIOR	1030	450.1	467	-16.9	P-151-4.3.65	REMOVE	P-151-4.4.65	TRIM TO 440		
13		116	C203	5448 ARMOUR ROAD	PRIOR	101	463.4	462	1.4	P-151-4.3.66	REMOVE	P-151-4.4.66	TRIM TO 453		
13		116	C203	5448 ARMOUR ROAD	PRIOR	1031	463.3	467	-3.7	P-151-4.3.67	REMOVE	P-151-4.4.67	TRIM TO 453		
13		116	C203	5448 ARMOUR ROAD	PRIOR	1032	454.5	461	-6.5	P-151-4.3.68	REMOVE	P-151-4.4.68	TRIM TO 444		
13		116	C203	5448 ARMOUR ROAD	PRIOR	1033	453.4	449	4.4	P-151-4.3.69	REMOVE	P-151-4.4.69	TRIM TO 443		
13		116	C203	5448 ARMOUR ROAD	PRIOR	1034	450.6	465	-14.4	P-151-4.3.70	REMOVE	P-151-4.4.70	TRIM TO 440		
13		117	C204	5458 ARMOUR ROAD	PRIOR	96	466.5	470	-3.5	P-151-4.3.71	REMOVE	P-151-4.4.71	TRIM TO 456		
13		117/118	C204/C205	5458 ARMOUR ROAD	PRIOR	1012	462.0	471	-9.0	P-151-4.3.72	REMOVE	P-151-4.4.72	TRIM TO 452		
13		117	C204	5458 ARMOUR ROAD	PRIOR	1013	451.6	465	-3.4	P-151-4.3.73	REMOVE	P-151-4.4.73	TRIM TO 451		
13		127	C204A	5450 ARMOUR ROAD	PRIOR	1014	456.8	460	-3.2	P-151-4.3.74	REMOVE	P-151-4.4.74	TRIM TO 446		
13		127	C204A	5450 ARMOUR ROAD	PRIOR	1015	456.5	457	-0.5	P-151-4.3.75	REMOVE	P-151-4.4.75	TRIM TO 446		
13		118	C205	5464 ARMOUR ROAD	PRIOR	95	475.2	488	-12.8	P-151-4.3.76	REMOVE	P-151-4.4.76	TRIM TO 465		
13		118	C205	5464 ARMOUR ROAD	PRIOR	1011	475.0	487	-12.0	P-151-4.3.77	REMOVE	P-151-4.4.77	TRIM TO 465		
13		118	C205	5464 ARMOUR ROAD	PRIOR	100	466.5	465	1.5	P-151-4.3.78	REMOVE	P-151-4.4.78	TRIM TO 456		
13		118/F	C205/C205A	5464 ARMOUR ROAD	PRIOR	93	478.6	489	-10.4	P-151-4.3.79	REMOVE	P-151-4.4.79	TRIM TO 468		
13		F	C205A	5506 ARMOUR ROAD	PRIOR	1009	477.0	490	-13.0	P-151-4.3.80	REMOVE	P-151-4.4.80	TRIM TO 467		
13		F	C205A	5506 ARMOUR ROAD	PRIOR	94	477.3	492	-14.7	P-151-4.3.81	REMOVE	P-151-4.4.81	TRIM TO 467		
13		F	C205A	5506 ARMOUR ROAD	PRIOR	92	488.8	481	7.8	P-151-4.3.82	REMOVE	P-151-4.4.82	TRIM TO 478		
13		F	C205A	5506 ARMOUR ROAD	PRIOR	1023	488.1	480	8.1	P-151-4.3.83	REMOVE	P-151-4.4.83	TRIM TO 478		
13		F	C205A	5506 ARMOUR ROAD	PRIOR	1024	487.8	479	8.8	P-151-4.3.84	REMOVE	P-151-4.4.84	TRIM TO 477		
13		119	C206	2614 ALMA STREET	PRIOR	60	501.1	506	-4.9	P-151-4.3.85	REMOVE	P-151-4.4.85	TRIM TO 491		
13		120	C207	2606 ALMA STREET	PRIOR	61	504.2	505	-0.8	P-151-4.3.86	REMOVE	P-151-4.4.86	TRIM TO 494		
13		CSG-2	C212	3250 WEST BRITT DAVID ROAD	CSG	122	411.7	430	-18.3	P-151-4.1.51	CLEAR	-	-	CSG AIRPORT PROPERTY	
13		CSG-2	C212	3250 WEST BRITT DAVID ROAD	CSG	123	409.1	419	-9.9					CSG AIRPORT PROPERTY	
13		CSG-2	C212	3250 WEST BRITT DAVID ROAD	CSG	124	405.6	429	-23.4					CSG AIRPORT PROPERTY	
13		CSG-2	C212	3250 WEST BRITT DAVID ROAD	CSG	125	406.0	428	-22.0	P-151-4.2.53	CLEAR & GRUB	-	-	CSG AIRPORT PROPERTY	
13		CSG-3	C213	3250 WEST BRITT DAVID ROAD	CSG	110	446.0	448	-2.0					CSG AIRPORT PROPERTY	
13		CSG-3	C213	3250 WEST BRITT DAVID ROAD	CSG	112	443.7	443	0.7					CSG AIRPORT PROPERTY	
13		(113) ROW	C201	ARMOUR RD. ROW	PUBLIC	85	452.8	462	-9.2	P-151-4.2.54	CLEAR & GRUB	-	-	PUBLIC ROW	
13		(113) ROW	C201	ARMOUR RD. ROW	PUBLIC	1021	453.0	447	6.0					PUBLIC ROW	
13	(CSG-3) ROW	C213	SMOKE DRIVE ROW	PUBLIC	106	461.0	451	10.0	P-151-4.2.55	CLEAR & GRUB	-	-	PUBLIC ROW		
13	(CSG-3) ROW	C213	SMOKE DRIVE ROW	PUBLIC	111	443.8	454	-10.2					PUBLIC ROW		
13	(CSG-3) ROW	C213	SMOKE DRIVE ROW	PUBLIC	113	441.3	452.5	-11.2					PUBLIC ROW		

BY OTHERS: NOT IN SCOPE

IMPACTED RUNWAY	PARCEL	SHEET	PARCEL ADDRESS	PRIOR EASEMENT	APPROACH OBSTRUCTION No.	AIRSPACE ELEVATION	TOP OF OBSTRUCTION	CLEARANCE	PROPOSED ACTION		PROPOSED ACTION		NOTES	
									ITEM No.	BASE BID	ITEM No.	ALTERNATE		
13	GDOT	C201			76	470.3	465	5.3	-	REMOVE	-	-	I-185 ON RAMP (BY OTHERS/GDOT)	
13	GDOT	C201			88	454.5	457	-2.5	-	REMOVE	-	-	I-185 ON RAMP (BY OTHERS/GDOT)	
13	GDOT	C201			104	456.3	450	6.3	-	REMOVE	-	-	I-185 ON RAMP (BY OTHERS/GDOT)	
13	GDOT	C201			105	454.0	449	5.0	-	REMOVE	-	-	I-185 ON RAMP (BY OTHERS/GDOT)	
13	GDOT	C201			1015	455.4	452	3.4	-	REMOVE	-	-	I-185 ON RAMP (BY OTHERS/GDOT)	
13	GDOT	C201			1019	455.6	445	10.6	-	REMOVE	-	-	I-185 ON RAMP (BY OTHERS/GDOT)	
13	GDOT	C201			1020	454.8	447	7.8	-	REMOVE	-	-	I-185 ON RAMP (BY OTHERS/GDOT)	
13	GDOT	C212			118	431.6	429	2.6	-	CLEAR	-	-	AIRPORT THRUWAY & ARMOUR ROAD INTERSECTION (BY OTHERS/GDOT)	
13	GDOT	C212			126	404.4	417.5	-13.1					REMOVE	AIRPORT THRUWAY (BY OTHERS/GDOT)
13	GDOT	C212			127	411.3	419	-7.7					REMOVE	AIRPORT THRUWAY (BY OTHERS/GDOT)

NOTES

1. NEGATIVE CLEARANCE VALUE INDICATES SURFACE PENETRATION.
2. FIELD VERIFY LOCATION OF OBSTRUCTIONS PRIOR TO CORRECTIVE ACTION.
3. FIELD SURVEYS COMPLETED AND TABLE DATA PROVIDED BY MOON, MEEKS, MASON & VINSON.
4. FOR KEY MAP OF PRIVATELY OWNED OBSTRUCTIONS, REFER TO SHEET C010.
5. FOR KEY MAP OF GDOT OR PUBLIC OBSTRUCTIONS, REFER TO SHEET C011.



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COLUMBUS,
 GEORGIA

BID
 SCHEDULE B:
 RUNWAY 13-31
 OBSTRUCTION
 MITIGATION

CONSULTANTS

REVISIONS

NO.	DESCRIPTION	DATE
1	ADDENDUM 01	2/28/19

DATE ISSUED: FEBRUARY, 2019

REVIEWED BY: **BCT**

DRAWN BY: **PAB**

DESIGNED BY: **PAB**

AEP PROJECT NUMBER

201-0241-024

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SHEET TITLE

**RUNWAY 13-31
 SCOPE OF
 OBSTRUCTION
 REMOVAL**

SHEET NUMBER

C002

ADDENDUM 01