



FUGRO GEOSPATIAL, INC.

**PROJECT STATUS REPORT**

**MD08-02-00-11**

Report Number:	<b>Fugro Geospatial, Inc. for TNRIS</b>	Date:
08		11/29/2018

Project Number:	04.17004800
Project Name:	Coastal Lidar for Texas
Contract Number:	DIR-TSO-3391
Delivery Order Number:	580-18-SOW0050
Reporting Period:	November 2018

**Section A - Scope and Progress of Project by Activity**

**Phase I: Pre-Flight Planning**

Tasks	% Complete	Comments
Project kick-off meeting	100	Held 12/6/2017
Develop flight operations plan	100	
System calibration and geodetic control validation	100	
Submit Phase I deliverables	100	Submitted 1/9/2018 and approved 1/12/2018

**Phase II: Data Acquisition**

Tasks	% Complete	Comments
Perform flight setup and geodetic control process	100	
Fly project area to collect data	100	Acquisition occurred 1/13/2018 through 3/22/2018 in 119 lifts
Verify data after each flight mission	100	Final lift of data verified on 3/26/2018
Collect checkpoint survey	100	
Submit Phase II deliverables	100	Submitted 4/9/2018 and approved 4/30/2018

**Phase III: Data Processing**

Tasks	% Complete	Comments
Boresight/calibration	100	
Point classification	100	
Intensity image production	100	
Generate hydro-flattening breaklines	100	
Submit Pilot		Pilot 1 (Urban) submitted on 6/4; Pilot 2 (Coastal) submitted 6/19

PROPRIETARY INFORMATION 11/29/18, FUGRO GEOSPATIAL, INC.  
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Submit Phase III deliverables	Phase III deliverables are being delivered in four increments.
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**Phases IV: Final Product Development**

Tasks	% Complete	Comments
Create bare-earth DEM	100	
Generate metadata	75	
Submit Phase IV deliverables		Phase IV deliverables are being delivered in four blocks. Once final block is accepted, data (UTM 15 projection) will be delivered to all partners. We will also begin the reprojection process at this time, and reprojected data (state plane Texas S Central) will be delivered to H-GAC and HCFCD by 2/28/2019.
Project closeout meeting (TBD)		

**Section B - Specific Reporting on Project Activity:**

Production continues.

Phase III Block 1 delivered on 8/3; feedback received 8/20. Block 1 resubmitted on 9/5. Additional feedback received from AECOM on 10/05. Fugro submitted feedback on 10/11; Block 1 accepted On 10/12.

Phase III Block 2 delivered on 8/21; feedback from AECOM received 9/11. Block 2 deliverables resubmitted 9/27; accepted on 9/28.

Phase III Block 3 delivered on 9/14; feedback from AECOM received on 9/25. Fugro resubmitted deliverables on 10/9; block 3 accepted on 10/15.

Phase III Block 4 delivered on 10/3; feedback from AECOM received on 10/18. Fugro submitted question/feedback on 10/22 and 10/30; received response from AECOM on 10/31. Block 4 resubmitted 11/2. Additional calls made by AECOM on 11/6; Fugro submitted corrections on 11/6. Block 4 accepted on 11/6.

Phase IV Block 1 delivered on 10/17; feedback received on 11/6. Fugro submitted corrections on 11/13; Block 1 accepted on 11/13.

Phase IV Block 2 delivered on 10/23; feedback received on 11/6. Fugro redelivered data on 11/19; Block 2 accepted on 11/20.

Phase IV Block 3 delivered on 10/31; feedback received on 11/12. Fugro redelivered data on 11/26; AECOM completed back check on 11/26 and had additional feedback; Fugro addressed feedback and submitted corrections on 11/29.

Phase IV Block 4 delivered on 11/16; feedback received on 11/29. Fugro currently reviewing feedback.

**Section C - Action Points / Project Problems and Solutions:**

**Section D - Billing Information:**

**Phase II**

- Phase II has been accepted



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TWDB invoiced \$452,172.70 on 6/6/2018; payment received  
 H-GAC invoiced \$227,455.77 on 6/6/2018; payment received

**Phase III**

- Phase III has been accepted  
 TWDB invoiced for \$339,129.52 on 11/16/2018; awaiting payment  
 H-GAC invoiced for \$170,591.83 on 11/16/2018; awaiting payment

**Summary**

Fugro-Acquisition				
Invoicing	Phase I	Phase II	Phase III	Phase IV
Percentage	5.00%	40.00%	30.00%	25.00%
TWDB	\$56,521.59	\$452,172.70	\$339,129.52	\$282,607.94
H-GAC	\$28,431.97	\$227,455.77	\$170,591.83	\$142,159.86