QUESTIONS AND ANSWERS TO DRAFT RFP NNL15ZB1004R
GEOSPATIAL SUPPORT SERVICES

QUESTIONS 1 THROUGH 76 PREVIOUSLY RELEASED VIA DRAFT RFP AMENDMENT 2

Q1. Are policies in place defining\guaranteeing service request to the hosting agency? E.g. Delivery of Virtual Machines within "X" days of request? Justification Req's for non-"cookie cutter" VMs?
A1. Yes

Q2. Are there any HQ GIS requirements (reporting, storing, collecting, etc.) that are counter to LaRC's GIS visions?
A2. No. LaRC is Co-Chair for Agency GIS working group and is expected to heavily influence the technology for the Agency. This contract has potential to support not only HQ, but also other Centers through the IDIQ process.

Q3. Will mapping projects (i.e.: aerial photo\LiDAR) be part of the IDIQ?
A3. No, not for the Year One task being priced. LaRC has recently updated data with very high resolution imagery and LiDAR has recently been completed.

Q4. Do subcontractors under 300K that don't have entire parts of the contract, have to submit past performance?
A4. In general, No. However, if the offer is submitted by a JV or several HUBZone's proposing together, then the answer is yes.

Q5. Point cloud data is massive, is cloud or server space provided as needed?
A5. Yes, space will be provided on LaRC servers. Cloud is currently not a solution that can be pursued due to IT Security policies.

Q6. If parts of the GIS work can be done more efficiently, cheaper, and faster off site, is that an option?
A6. Yes, as long as the SOW requirements are met and current capabilities, support to dynamic requests for support, and next generation capabilities are appropriately addressed. In addition, please note the Staffing Requirements in the SOW.

Q7. Do you have KML options?
A7. Not as general rule. KML is utilized to some extent, but not currently an option for the majority of the Center's spatial data.

Q8. Is not having an ISO certification mean a non-responsive rating?
A8. No, compliant is acceptable. See Clause H.19 and L.12 for ISO requirements.

Q9. Is not having a safety and health certification mean a non-responsive rating?
A9. No. There is no safety and health certification requirement. There is a safety and health plan submission with Volume II, but it is not being evaluated.

Q10. Is not having a CMMI-SVC certification mean a non-responsive rating?
A10. No, there is no CMMI compliance or certification requirements. The Year One Task does have CMMI methodology requirements. If your firm cannot meet the Exhibit A SOW requirements or the Year One Task Order requirements then your firm would be taking an exception to our SOWs which may make your proposal non-responsive.

Q11. Can we add Subcontractors to the IDIQ after award? Or respond with LiDAR & Thermal Imagery as ODC?

A11. If your intent is to understand where LiDAR and Thermal subcontractors are priced, then that is not part of the Year 1 Task Order, but could be an ODC if needed.
In general, yes. Subcontractors can be added; however, Exhibit B rates will not be revised to add them. All future tasks and the Year One Task will be estimated using the Exhibit B rates. If future tasks require specialized subcontractors that are not on your team, then that subcontractor can be proposed and their rates will be reviewed for reasonableness at task order award. If your intent is to change out subcontractors in their entirety for performance reasons that is a post-award situation and will need to be discussed before the Exhibit B rates will be revised.

Q12. Best value or LPTA award?

A12. Best Value. See Section M.2 for evaluation criteria.

Q13. What level of SUE effort must the contractor do directly? Toning?

A13. See Exhibit A, SOW, Paragraphs 5.5.8.1, 5.6.5.1, 5.11.1., and 5.12.2. See also Attachment VIII, Year One Task Order, SOW paragraphs 5.5.4.1, 5.6.1, 5.6.6, and 5.5.12. See also answer to Question 28.

Q14. Is U.S. citizenship a requirement for work on this project?

A14. Yes. See H-3, Requirements for Access to LaRC, and H-4, Security Program/Foreign National Employee Access Requirements, for entry requirements to LaRC.

Q15. Will you require named resources in the RFP response?

A15. No, if you mean proposed employee names. Yes, if you mean significant subcontractors.

Q16. For past-performance, can it be a combination of CPARS & PPQs?

A16. See Section L-15 for Volume III, Past Performance instructions and requirements. CPARS and PPQs are not sufficient as that only addresses the past performance element of Past Performance; it does not address pertinence (relevance). The two components of Past Performance are addressed in M.2, Factor 3 paragraph.

Q17. Any plan to use open source GIS?

A17. No. It shall be the contractor's responsibility to continually evaluate all software used and available based on industry trends to provide best or optimum next GSS performance as per our task requirement. See Year One Task Order SOW Paragraph 5.12.

Q18. Will you provide a template for task orders since turn-around is 5 days?

A18. There is no required format required for task proposals. Each contractor's estimating system is different. However, the Government will issue a task in accordance with H-7, Task Ordering Procedure. As a minimum, H-7, paragraph (b) (1), (2) and (3) shall be addressed. Contractor template can be finalized during phase in.

Q19. How many awards will you make?

A19. This is a single-award contract. Only one offeror will receive a contract.

Q20. Are key personnel required?

A20. No.

QUESTIONS AND ANSWERS TO DRAFT RFP NNL15ZB1004R
GEOSPATIAL SUPPORT SERVICES

Q21. Will industry ppt presentation be provided?
A21. Yes. See the Draft RFP Amendment 2 and See Attachment VII to the final RFP once released.

Q22. Would you consider increasing page limit for Volume 1?
A22: Yes. See the Final RFP Provision L.7 once released.

Q23. Can a combination of two HUBZone firms be used to meet the requirement of HUBZone business completing the majority of work under the contract?
A23. Yes. See 52.219-3 for percentage of work that must be completed by HUBZones.

Q24. Can a HUBZone prime complete less than 51% of total contract work if the balance of the 51% is met or exceeded by a HUBZone subcontractor?
A24. Yes. See 52.219-3 for percentage of work that must be completed by HUBZones.

Q25. Can weekly meetings be conducted remotely via teleconference?
A25. Yes, if weekly meetings are needed. There is no current requirement for weekly meetings on the Year One Task Order or for the contract. See Exhibit C. There is a monthly progress report due and may be revised to add a monthly meeting. See the Final RFP for meeting requirements. In addition, if performance problems persist, physical presence of management may be required.

Q26. Are the safety and health plan along with the phase in plan part of the 8 page limit?
A26. No.

Q27. Will the contractor have access to IT hardware to install\update applications & ensure they run as designed?
A27. Yes

Q28. How much work do you expect to be surveying, GIS application development, and GIS services?
A28.The following is based on past performance of the various areas of GSS support: Staffing 1%, Technology 8%, Next Generation GSS Systems 11%, Software Applications 8%, Databases 9%, Spatial Data 9%, Configuration Control 14%, GSS Survey 10%, GSS Measurement 8%, GSS Mapping 8%, Visualization 9%, and Analytics 5%.

Q29. Can we submit more than 3 past performance items?
A29. Yes. But you may not exceed the page limits for the past performance volume.

Q30.Will the vendors be considered vendors and not sub-contractors for HUBZone 51% purposes?
A30. See FAR 52.219-3 to determine applicability.

Q31. Is a 10 page technical response acceptable?
A31. See the Final RFP for page limits.

Q32: DCAA certified rate/price buildups?
A32. See L-14 and Attachment III, Price Forms for supporting information needed.

QUESTIONS AND ANSWERS TO DRAFT RFP NNL15ZB1004R
GEOSPATIAL SUPPORT SERVICES

Q33: Will the Government consider increasing the Mission Suitability Volume page count to 40 pages to properly provide detailed and complete responses to the RFP requirements?
A33. See the Final RFP for page limits.

Q34. The requirement for number of originals and copies for Volume II – Business Proposal is unclear regarding the sub-parts. Currently, the table indicates One Original and 4 copies of Volume II should be submitted, but there are separate quantities required for each of the sub parts. Considering that the entire volume included the sub-parts, will the Government please clarify the required number of originals and copies to be delivered for Volume II and included sup-parts?
A34. See Final RFP, L.7 for any changes.

Q35. To accommodate HUBZone businesses with numerous small GIS contracts, will the government consider modifying the definition of a "somewhat pertinent" contract from $500k annually, to $500k total value?
A35. We anticipate changing this to $400K annually. See the Final RFP for any changes.

Q36. Will the Government accept past performance citations from contracts under $500k, if the period of performance is less than one year?
A36. Yes. The value will be annualized for comparison purposes. However, note the answer to question 35 above as this is determined to be somewhat pertinent based on size pertinence.

Q37. RFP Provision L.7 excludes "copies of CPARS" from the Volume's page limit, yet section L.15 does not specifically request submission of CPARS reports. Will the Government clarify the need to submit a copies of CPARS within the Past Performance Volume?
A37. Yes, we will clarify L.7 ad L.15 in the Final RFP. CPARS will be included in the Past Performance Volume.

Q38. Will the government consider accepting past performance citations from contracts completed within the last 5 years (versus 3 years as currently stated in the DRFP)?
A38. No

Q39. Considering the importance placed on Past Performance in Section M.3, will the Government increase the page limit from 5 pages to 10, for each prime as well as each significant subcontractor?
A39. No. The rational is 5 pages for 3 references which is about 1.5 pages per reference.

Q40. If the offerer is not ISO certified or able to show current practice compliance to the ISO references per Draft SOW requirements will that be considered a non-responsive submittal?
A40. Offerors do not have to be ISO certified but they are required to be ISO Compliant. See H.19 and L.12.

Q41. If the offerer has not had involvement nor formal/certified experience in any of the items listed in 'Attachment II S&H Ins' will that be considered a non-responsive submittal?
A41. For items that do not apply, please indicate N/A. However, the plan will need to address the intent of FAR 52.236-13.

Q42. If the offerer is not CMMI-SVC certified or able to show current compliance to the CMMI references per Draft SOW requirements will that be considered a non-responsive submittal?
A42. See question Q10.

Q43. Is there an establishment of a new baseline or is it updating current, existing baseline data (ref. sub-paragraphs 5.3.2.1, 5.3.3, 5.3.4)?
A43. See Attachment V for current baseline. See deliverables 2, 4, 6, 8, 10, 12, 14, and 17. Maintaining current data is the first order of business. Next Generation addresses raising the bar or establishing new baseline and is part of SOW 5.12.

Q44. In order for the offerer to be responsive may we assume that current teaming partners may not have the collection equipment capabilities for LiDAR and Thermal Imagery but are well versed in obtaining vendor/subcontractor support for source collection in past projects?
A44. Yes. This can be subcontracted out, but must be integrated with existing data/tools and must be accomplished within schedule.

Q45. Shall we determine such activities (LiDAR and Thermal Imagery) to be ODCs outside of the initial task order or does the Government foresee enough effort in collection to have the team include partners that have the equipment and resources to perform LiDAR and Thermal collection?
A45. At this time, imagery and LiDAR will not be required under the year one task. It is not anticipated to be needed as the data was recently updated. If thermal imagery is needed during Year One, the costs would be part of the $240K ODC number provided by the Government that all offerors are instructed to use unless they justify any increases or decreases. If substantial thermal imagery is needed, it would be issued as a new task order and not part of the Year One task order.

Q46. May the offerer add subcontractor teammates after award of contract as needed based on task order requirements or does the IDIQ team need to be locked-in at proposal time?
A46. Yes, you may add subcontractor teammates after award of contract. However, the Exhibit B rates shall not be revised and shall be utilized for future orders.

Q47. Looking at the history information (Attachment IX), SGT is the prime contractor performing the subject GSS work. Who are the subcontractors supporting SGT in the performance of the subject work?
A47. The following subcontractors and/or vendors have supported the GSS effort. Genex, Craig, AS&M, CSC, AES Consulting Engineers, Orbis, ,Maser Consulting, Vsolvit and ESRI.

Q48. Will the Government be initiating all telecon and web meetings to connect with the contractor's off-line staff?
A48. No. The Government will not be initiating any telecons or web meetings. All offsite or telecommuting employees are responsible for calling or logging into the meetings. The Government does have a web meeting account that may be used to support GSS efforts. See Exhibit C, Contract Documentation Requirements, for monthly progress meetings that are being considered. See Final RFP.

Q49. Will such meeting costs be absorbed by the Government or the contractor should account for them?
A49. No, the Government will not absorb these costs. Any hours estimated for meetings shall be included in the Firm Fixed Price included in the Attachment III forms which are required to be submitted. In addition, the Government will not be covering any web meeting license cost as an ODC.

Q50. Would MS Word 2003 prepared documents be acceptable as long as they are readable by MS Word 2010?
A50. No. The Government is not responsible for any conversion errors that may occur due to the different versions.

Q51. Similarly, would MS Excel 2003 prepared documents be acceptable as long as they are readable by MS Excel 2007
A51. No. The Government is not responsible for any conversion errors that may occur due to the different versions.

Q52. How many onsite contractor staff are currently executing this work?
A52. There are 14 contract personnel currently performing this effort; however not all are full time.

Q53. Do the employees on this contract also manage the Maximo system or do the employees only work in conjunction with another team that manages Maximo?
Q53. No, GSS contractors are not responsible for Maximo. GSS contractors interface with the contractors responsible for Maximo. See H.9, Enabling Clause Between GSS Contractor and Other Langley Contractors. However, GSS is responsible for reading and writing data to Maximo. Exhibit A paragraphs 5.4.4.4 and 5.4.4.5 state the contractor shall maintain BIM data and export BIM data to Maximo. Also, Exhibit A para 5.5.6 states the contractor shall perform the extract, transform, and load (ETL) spatial data to Maximo. The functionality of this data exchange is also a requirement of paragraph 5.4.3 database management. Attachment VIII, paragraph 5.4 also addresses the transfer of BIM data to Maximo. Paragraph 5.5 addresses Spatial Data requirements, and specifically the contractor's requirement to accomplish Spatial Data gap analysis with Maximo data.

Q54. Are the development team members for this contract currently onsite or offsite?
A54. All employees are onsite, except those that have approve telecommuting agreements. One of the 14 is routinely offsite.

Q55. How far along is the BIM implementation? Is the technology currently in use?
A55. BIM capability is fairly mature at LaRC. We have two very involved BIMs that have been used for construction and three BIMs that are less sophisticated and under development for renovation; and at least three more in planning stages.

Q56. What type of authentication is currently required for the GSS web based portal i.e. CAC enabled?
A56. Integrated Windows Authentication is used, which is CAC enabled.

Q57. The RFP states that 80% of the work will be onsite – other than the onsite manager, is it expected and acceptable that the on-site support personal may vary depending on the task or does LaRC expect the same people to be on site throughout the duration of the project?
A57. It is up to the contractor to decide how to staff this effort. At the present time, support personnel has not been variable in the last 3 years and is very stable.

Q58. What is involved with obtaining access permissions to LaRC? How long will it take to get new people through the security process to be able to work on site?
A58. This is typically a two to three week effort to achieve full access to network services.

Q59. Are any background checks required and if so, will they be conducted by LaRC or the firm?
A59. Yes there are background checks and the Government will be conducting and covering the cost of them.

Q60. For any web interfaces that are developed, is the only requirement that they be supported by modern browsers? If any specific browsers are to be supported, what are they? (Chrome, Firefox, IE10+)
A60. All web interfaces shall be HTML5 compliant. However, the contractor is responsible for staying abreast of industry trends.

Q61. For the various products and data produced and disseminated via the web interfaces, will there be different levels of access to specific users?
A61. Yes

Q62. Will they need to be able to edit, add, delete, etc. based on their user permission?
A62. Yes

Q63. What is the expected frequency to update imagery, thermal and LiDAR data?
A63. 2-4 year intervals. Thermal may be required more frequently.

Q64. Ground-level (vehicle based) LiDAR is not mentioned. Is it expected that this data may also be necessary through the duration of the contract?
A65. Exhibit A, Statement of Work, paragraph 5.9.2 is revised to delete the word "aerial" so that all remote sensing technologies can be supported; however, it is not a requirement on the Year One Task.

Q66. How many conferences or training events are anticipated each year?
A66. 3-5 are anticipated. The cost for these items is included in the $240K ODC estimated provided by the Government.

Q67. For any 3D models, is there an expectation or desire to have 3D printed physical models?
A67. Yes. NASA LaRC has an on-site capability and subcontract may be required as part of ODCs.

Q68. Is there a desire to move to non-proprietary geospatial software? Or other alternatives other than ESRI?
A68. Not at this time. This is a post-award next gen possibility to be addressed during performance in accordance with SOW paragraph 5.12.

Q69. For the map books, is it expected that they are paper maps? Digital delivery would be primary source with paper maps printed only as needed?
A69. Yes, paper may or may not be generated from the maps depending on the requestor's work flow.

Q70. Is the data accessible outside of the LaRC network?
A70. Yes, some GSS data is available beyond the firewall.

Q71. If we have a software developer working on the project who is not stationed on site or in the local area, will they be able to access the systems remotely?
A71. Yes. VPN is a possibility to facilitate remote access.

Q72. Is it expected that the contractor will utilize local (or non-local) colleges and universities for expanded resources?
A72. No, there is no expectation. See Year One Task Order SOW for staffing requirements.

Q73. Who will maintain ownership of any IP developed as a result of this contract? (There is discussion about inventions but it doesn't explicitly say who gets ownership of any inventions.)
A73. See FAR 52.227-14 and NFS 1852.227-14 for Rights in Data for this contract. See also clause G.3, Designation of New Technology representative and Patent Representative. See also NFS 1852.227-11, Patent Rights Retention by the Contractor.

Q74 Do you have a percentage breakdown of which areas in the scope of work will be more utilized than others?
A74. See question 28.

Q75. What is the NASA envisioned LOE percentage for its: GIS analysis/production and software life-cycle management activities (coding, CM, IV&V, test, etc.)
A75. See question 28.

Q76. What software packages does NASA currently possess and already programmed to procure/ integrate?
A76. See Exhibit D software tab.

QUESTIONS AND ANSWERS TO DRAFT RFP NNL15ZB1004R
GEOSPATIAL SUPPORT SERVICES

For all questions below, NASA LaRC's current processes do not reference Subsurface Utility Engineering (SUE) at the four quality levels associated with this approach and Toning or marking of utilities in advance of excavation. Our utility data is considered Quality Level A, which is obtained from measurement during installation over the years, and has been corrected based on more recent very precise measurements of visible features and correction of historic data where applicable. Our requirements are clearly defined for dig permitting in Exhibit A SOW and Year One Task Order SOW Paragraph 5.6. Our effort address the majority of the functionality described under SUE, however, the various stages of program and levels are not necessary because our utility and facility data is very accurate (routinely better than 6 inches horizontal and vertical).

Q77. Based on your very active Dig Permitting Program and what appears to be very active mapping of subsurface utilities and infrastructure will the onsite contractor in Task Order One (1) be required to provide Subsurface Utility Engineering (SUE) resources as a WYE onsite or have SUE resources available from the IDIQ contractor team for occasional efforts?
A77. Yes on site personnel is required to address short response times, additionally familiarity with our data, tools, and processes is required. See Year One Task Order SOW paragraph 5.6.

Q78: Or will SUE be considered an ODC activity where a specialized SUE vendor may be brought in for targeted project efforts?
A78. No. See Year One Task Order SOW paragraph 5.6.

The following questions below are meant to help clarify the NASA LaRC GSS program's level of requirement for subsurface infrastructure mapping needs and the onsite Task Order One contractor's resource pool needed to meet it:

Q79. Will the onsite contractor be locating which determines the approximate horizontal location of an underground utility line that may exist within a pre-specified area?
A79. Yes. Requirement is addressed in detail in Exhibit A SOW and Year One Task Order paragraph 5.6.

Q80. Will the onsite contractor be performing Subsurface Utility Engineering (SUE) as a highly efficient, nondestructive engineering process that incorporates civil engineering, surface geophysics, surveying and mapping, noninvasive vacuum excavation and asset management technologies to identify and classify quality levels of existing data and maps the locations of underground utilities?
A80. No. Current utilities are documented above SUE Levels. See the introductory paragraph above. In addition, the requirement is addressed in detail in Exhibit A SOW and Year One Task paragraph 5.6. Areas of work such as nondestructive engineering processes that incorporate civil engineering, surface geophysics, and noninvasive vacuum excavation are not currently required.

Q81. Will the onsite contractor be performing as a Locator that is sufficient for marking utility facilities immediately prior to excavation or construction?
A81. Yes. Requirement is addressed in detail in Exhibit A SOW and Year One Task Order paragraph 5.6.

Q82. Will the onsite contractor be performing as a SUE provider identifying the location of underground utilities prior to construction and during the design phase of a construction project where the SUE provides contributions to informed design decisions?
A82. Yes. Requirement is addressed in detail in Exhibit A SOW and Year One Task Order paragraph 5.6.

Q83. Will the onsite contractor be acting as a Locator generally using equipment such as a pipe-and-cable device and detecting one or two utilities at a specific job or as a SUE provider using various geophysical prospecting technologies – such as Pipe-and-Cable Locators, Electromagnetic Imaging (EMI), Acoustical, Pulse, Ground Penetrating Radar (GPR), Three Dimensional Radar Tomography, etc. – to image and detect as many utilities as possible at a site for contingent and deliberate, ongoing mapping activities?
A83. The Contractor is responsible for locating and marking all utilities that may potentially be impacted by a proposed ground penetration associated with a "specific job" at the LaRC standard, which is higher than SUE. The requirement is addressed in detail in Exhibit A SOW and Year One Task Order paragraph 5.6.

Q84. Will the onsite contractor be responsible for a basic level of information by Locating using existing drawings showing the location of underground utilities to mark the approximate horizontal location in the work area or will the onsite contractor be working at potentially all four levels of SUE process that does not rely solely on existing records and includes four quality levels of information with the understanding that a typical project may not include all four quality levels of information, since the highest level of accuracy may be needed only at those points where conflicts may occur?
A84. The Contractor is responsible for locating and marking not only horizontal but also indicating depth or elevation information associated with utilities at the LaRC standard which is higher than SUE. The requirement is addressed in detail in Exhibit A SOW and Year One Task Order paragraph 5.6.

Q85. If the Task Order One onsite contractor is working at SUE process level can you quantify the amount of each of the four quality levels of information the Task Order One may require, as those published by the American Society of Civil Engineers (ASCE) in its Standard Guidelines for the Collection and Depiction of Existing Subsurface Utility Data that a Task Order One SUE project may require?:
A85. NASA LaRC's current processes do not reference SUE at the four levels associated with this approach and toning. As stated above; our utility data is considered Quality Level A, which is obtained from measurement during installation over the years, and has been corrected based on more recent very precise measurements of visible features and correction of historic data where applicable.

Q86. Will the Year One Task Order onsite contractor be performing the major SUE processes tailored to each project and typically including five major field activities?:
A86. NASA LaRC's current processes do not reference SUE. NASA's requirement is addressed in detail in Exhibit A SOW and Year One Task paragraph 5.6.

Q87. Would you be able to provide the names and email addresses or phone numbers of on-site staff currently supporting the GSS program?
A87. The POC for the current on-site contractor, SGT Inc., is Mr. Daniel Finkelsztein and he can be reached at (757)224-4127.

LANGLEY RESEARCH CENTER GEOSPATIAL SUPPORT SERVICES NNL15ZB1004R

PREPROPOSAL CONFERENCE

AND SITE VISIT

NASA Langley Research Center

June 3, 2015

8:30 AM

AGENDA

- Opening Remarks
- Organizational and Current Task Information
- Procurement and RFP Overview
- Technical Overview of GSS
- Equipment Viewing/Tour
- Questions and Answers/Meetings
- Lunch
- Individual Meetings with Companies

GOVERNMENT TEAM MEMBERS

- Lisa Harvey, Office of Procurement, Contracting Officer
- Jeff Hisey, Office of Procurement, Contract Specialist, Voting Member
- Brad Ball, Center Operations Directorate, Contracting Officer's Representative (COR), Voting Member
- Keith Wilmer, Center Operations Directorate, Alternate COR, Voting Member

PREPROPOSAL CONFERENCE

- FAR 15.201 Exchanges With Industry Before Receipt of Proposals
  - Establishes procedures for information exchange
  - Encourages exchanges of information consistent with procurement integrity requirements

- Any discussions, comments, etc., made by Government personnel during this Preproposal Conference and Site Visit are considered unofficial until incorporated into the Final Request for Proposal (RFP)

- The Final RFP and any amendments take precedence over all responses and exchanges made during this PreProposal Conference or Site Visit

- Questions may be submitted in writing during this Conference and will be addressed in the Final RFP and may or may not be able to be answered today depending on the question. Oral questions may also be asked and answered depending on the issue being addressed.

OPENING REMARKS

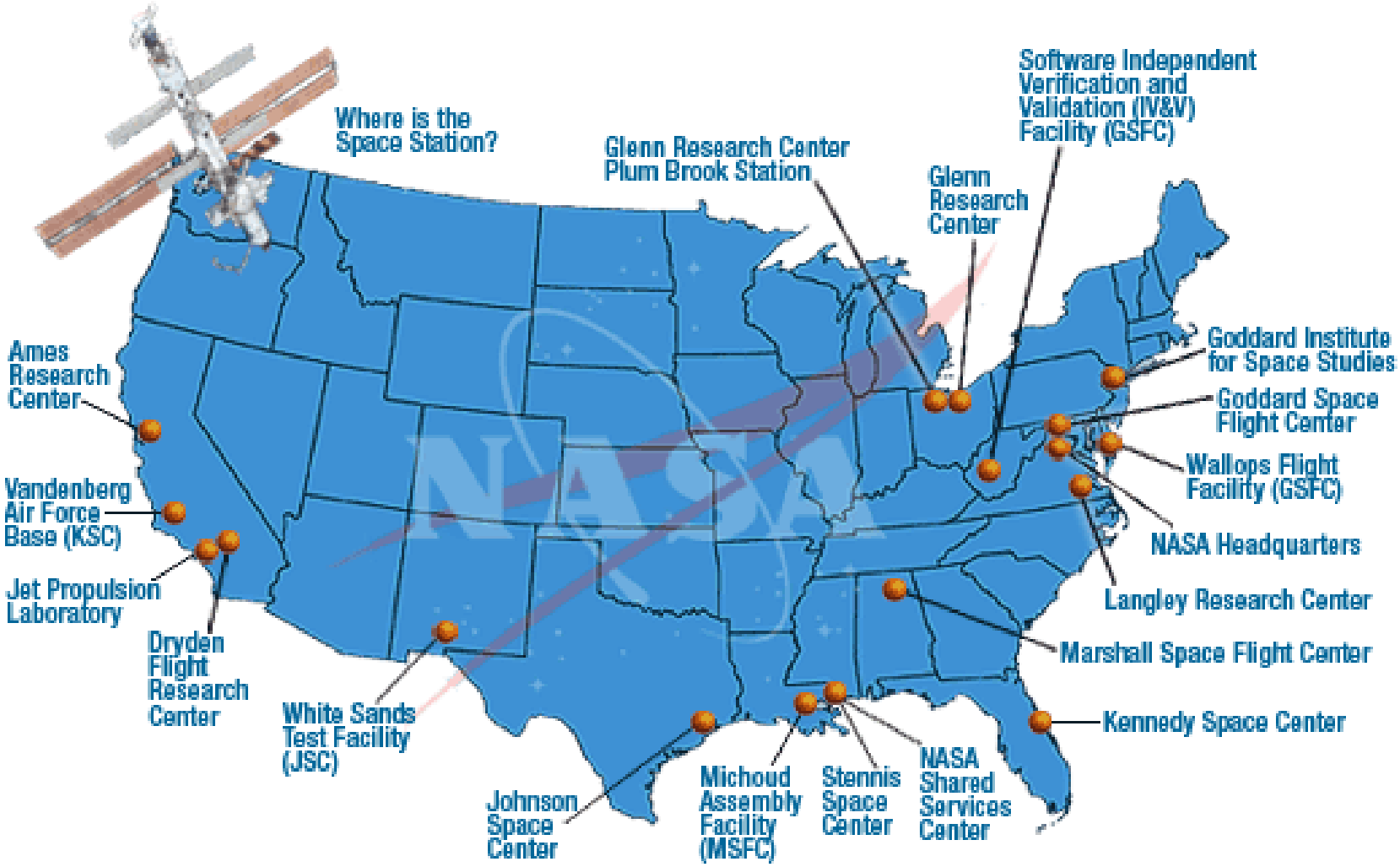
- All questions to the Draft RFP were due June 1, 2015, and all questions for the Final RFP must be submitted in writing no later than June 30, 2015.

- The Government reserves the right to post all questions and answers received to date and during this conference, in addition to those received for the Final RFP once released, as an amendment to the RFPs.

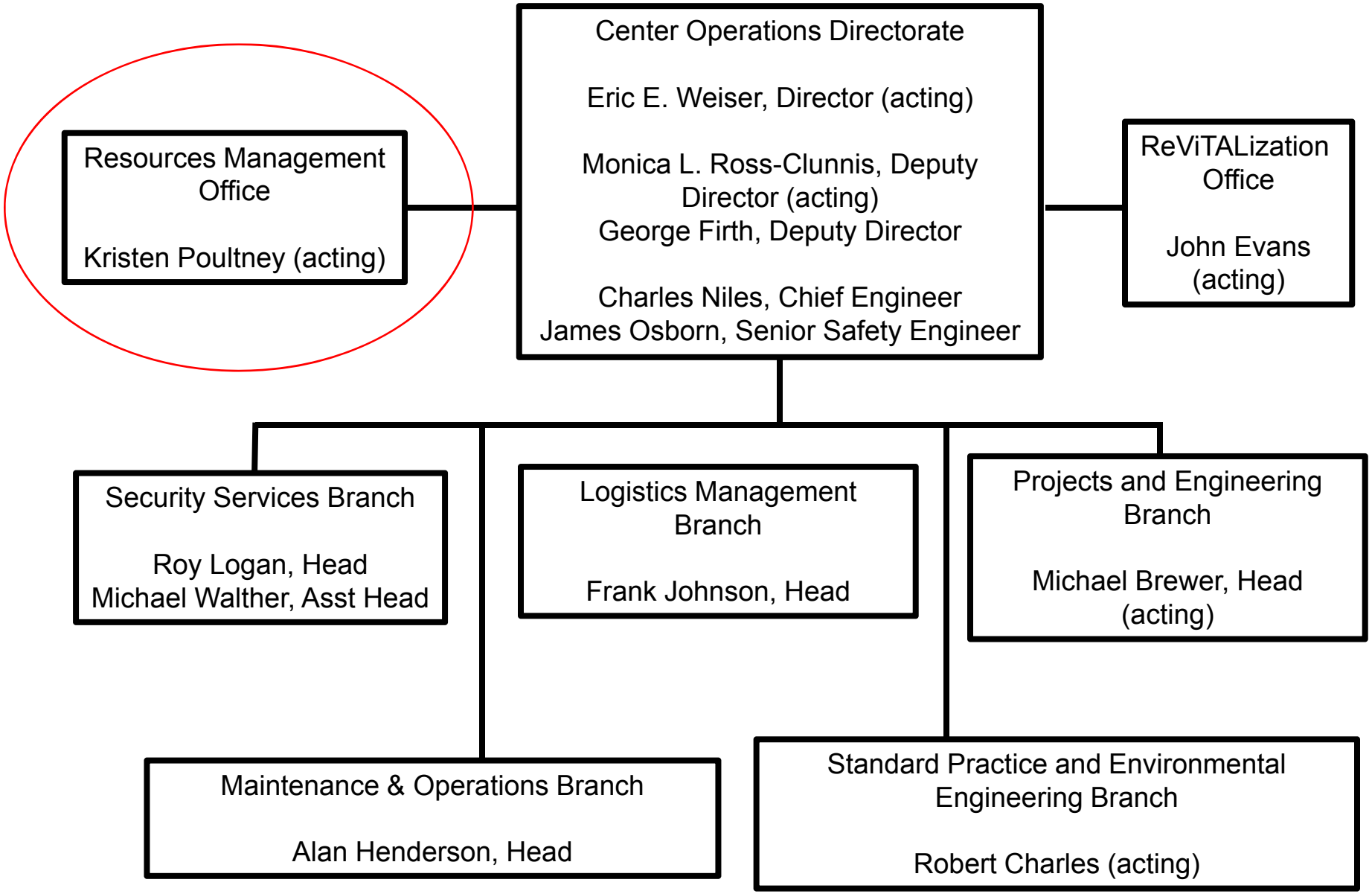
- Potential offerors are responsible to check FedBizOpps website for any amendments issued prior to the solicitation due date.

- No oral understanding or agreement shall be binding on either party.

NASA CENTERS



Center Operations Directorate (COD)



CURRENT GIS TASK OVERVIEW

- Current Prime Contractor: Stinger Ghaffarian Technologies (SGT) Inc.

- Current Contract: NNL10AA14B, Langley Information Technology Enhanced Services (LITES)

- Contract Type: Indefinite Delivery / Indefinite Quantity Contract, The current effort is a Task Order issued under NNL10AA14B

- Task Period of Performance through September 30, 2015

- Cumulative 5-year Current Task Estimate (including Other Direct Costs and Fixed Fee) of GSS ~ $8.5M

- **NOTE**: This is historical information and is not necessarily reflective of the current RFP Statement of Work for Year 1

PROCUREMENT OVERVIEW

- This is a HUBZone Set-Aside. See FAR 52.219-3.
- Clause 52.219-3, Notice of HUBZone Set-Aside or Sole Source Award (NOV 2011) states:

Offerors must be certified at INITIAL PROPOSAL AND AWARD

- Tentative Procurement Schedule:
  - Questions or Comments Due 06/30/2015
  - Proposals Due 07/13/2015
  - Award 09/05/2015
  - Post-Award Conference approx. 3 days after award
  - Phase In 09/15/2015
  - Contract Effective Date 10/1/2015
    - Contractor will be required to be fully operational on the effective date of the contract

Dates are provided for planning purposes only and may be changed depending on number of proposals received and evaluation results.

12 KEY GSS SOW AREAS

1. Staffing
2. Technology
3. Configuration Control
4. Databases
5. Spatial Data
6. GSS Survey
7. GSS Measurement
8. GSS Mapping
9. Visualization
10. Analytics
11. Software applications
12. Next-Generation GSS Systems

REQUEST FOR PROPOSALS

- Clause B.2, Services/Supplies to be Furnished: Exhibit A, SOW

- Clause B.3, Minimum and Maximum Value: 5-yr/$20M Ceiling; IDIQ Firm Fixed Price (FFP) Task Orders utilizing the pre-priced schedule of rates & labor categories in Exhibit B

- Clause E.2, Higher Quality Standards: ISO 9001 Compliant. See Also Clause H.19.

- Clause F.2 and F.4, Period of Performance/Options:
  - Two-Year Base ($8M) with one Three-year option ($12M)

- Clause F.3, Place of Performance: NASA LaRC, Hampton, VA
  - Other locations as specified on individual task orders

- Clause G.2, Invoice Payments: Each Task Order shall be billed separately; equal monthly payments (FFP/POP) unless otherwise stated in the task orders.

REQUESTS FOR PROPOSALS (CONTINUED)

- Clause G.4, Installation-Accountable Government Property: Office Space and Computers/Printers for 10-15 employees

- Clause G.5, Providing Equipment to Contractors: Exhibit D is a listing of property on a no-charge basis for use in performance of this contract. Attention is directed to "contractor to replace" column. For those items indicated with a "Y," then the contractor shall replace that property (and take title to it) if still needed for performance.

- This means contractors shall not charge this equipment to "other direct costs" unless the Government wants to take title. Otherwise, Contractors will charge any replacement items, if needed, to their overhead and will take title to replacement property. However, see Clause H.21 which provides options at contract completion.

REQUEST FOR PROPOSALS (CONTINUED)

- Clause H.15, Government-Furnished IT Services: The Current LITES Task provides the following support, but the RFP for the GSS effort does not require this support. These items will be provided by the Government through the LITES II contractor. Specifically, the GSS Contractor will **NOT** provide or perform the following related to IT Support:
  - Providing and managing servers for all spatial and relational data supported under GSS
  - Server Hardware (HW) and Operating System (OS) support
  - Provisioning of servers, including Virtual Machines (VM)
  - System Administration (SA) for the servers HW/OS, including patches
  - IT Security Planning and Controls
  - Performing Backups

- However, the GSS contractor will be responsible for application specific software and their updates. See Exhibit D, Software Tab, Exhibit A, SOW, and the Attachment VIII, Year 1 Task SOW, for IT functions that are to be performed by the GSS contractor.

REQUEST FOR PROPOSALS (CONTINUED)

- Clause H.7, Task Ordering Procedure: Task Proposals are due in 5 days
- Clause H.9, Enabling Clause: Interfaces with numerous other on-site contractors
- Clause H.13, Limitation of Funds (Incremental Funding): Most tasks will be incrementally funded.
- Clause H.20, Class G Software Requirements: Exhibit G and H shall be completed for any applicable software
- Section I: Standard FAR and NASA FAR Supplement Clauses
- Exhibit C: Contract Documentation: List of routine standard reports
- Exhibit E, Safety and Health: Submit Plan with Proposal; see Section L Instructions.

REQUEST FOR PROPOSALS (CONTINUED)

- Summary of Section L - Instructions, Conditions, and Notices to Offerors
  - Communications should be directed to Jeff Hisey, SF 33, Block 10
  - Pay Particular Attention to Proposal Submission Guidelines IAW Section L (See clause L.6 & L.7)
  - Three Factors/Volumes:
    - Volume 1, Mission Suitability (8 page limit)
      - Roles and Responsibilities
      - Management
        - Strategic vision for next generation GSS that will be pursued,
        - Approaches to: 1) integration of existing technologies, 2) pursuing new technologies and 3) configuration management, and
        - Implementation of surveying and measurement technology and spatial and relational database technology, including Building Information Model (BIM).
      - Risks
    - Volume 2, Price, and
    - Volume 3, Past Performance (5 page limit for Prime and each subcontractor or JV partner)

REQUEST FOR PROPOSALS (CONTINUED)

- Summary of Section L - Instructions, Conditions, and Notices to Offerors
  - OTHER SUBMISSIONS (Include in Volume II) (see L.12)

  - Joint Ventures shall submit the following:
    - Identify the companies included in the joint venture.
    - Identify the Managing Partner of the venture
    - SBA letter approving the Joint Venture

  - HUBZone Offerors (See FAR 19.1303(d)):
    - must be certified at time of initial offer and at contract award.

  - All HUBZone Offerors, including HUBZone subcontractors, shall ensure company info is correct in the Small Business Dynamic Database.

  - Identify the district SBA office and POC (name, address, phone number, and email) that is processing the certification.

REQUEST FOR PROPOSALS (CONTINUED)

- Summary of Section L - Instructions, Conditions, and Notices to Offerors (Cont.)
  - OTHER SUBMISSIONS (Include in Volume II) (Continued)

  - ISO Compliance (required) and Certification (optional)
  - If Offerors are compliant, a statement reflecting that the contractor's quality processes, manuals and plans are, and will remain, compliant with ISO standards as indicated in clause H.19.
  - NOTE: Compliance submission may be revised in the FINAL RFP. Please review carefully for changes.

  - If Offerors are certified (vs. compliant), a copy of the current ISO certificate is requested prior to award to ensure the scope of certification covers the SOW and also that it is a current registration to the existing version of the standard. In addition, a statement conveying whether or not and, if so, how the current management system will be modified as a result of this contract award.

REQUEST FOR PROPOSALS (CONTINUED)

- Summary of Section L - Instructions, Conditions, and Notices to Offerors (Cont.)
  - OTHER SUBMISSIONS (Include in Volume II) (Continued)
  - Safety and Health Plan – Utilize Attachment II, Safety and Health Plan Instructions, and address the items listed. This plan will be included in any resulting contract.
  - Phase in plan – Plan shall address a 14-day phase in for minimizing changeover difficulties and maximizing continuity of services. The plan shall include, as a minimum, the following:
    - All significant phase-in activities
    - A schedule for completion
    - Neither the safety and health plan nor the phase-in plan will be evaluated. Any corrections will be made during phase in if required.

REQUEST FOR PROPOSALS (CONTINUED)

- Summary of Section L – Continued
- Volume II, Business Proposal, also include:
  - Signed SF 33
  - SF 33 complete "OFFER" Blocks 13 - 18 (Sign and Date)
  - Acknowledge all amendments on SF 33 or sign SF 30 or list in letter)
  - State any exceptions to terms and conditions
- Volume III, Past Performance, also include:
  - 3 references/last 3 years
  - Letters from Subcontractors, CPARS, and List of Companies Completing Attachment I, Past Performance Questionnaires
- Submission Reminders
  - All required volumes by Due Date specified on Standard Form (SF) 33
  - Past Performance Volume requested 2 weeks after Final RFP release
  - Complete all shaded sections of contract
  - Complete Section K, Representations, Certifications and Other Statements of Offerors and indicate any changes from SAM.gov
  - Offerors are not required to submit Attachments (other than those required for Volume II)

REQUEST FOR PROPOSALS (CONTINUED)

- Summary of Section M - Evaluation Factors for Award
  - Factor 1, Mission Suitability
    - Roles and Responsibilities
    - Management
    - Risks
  - Factor 2, Price
    - Attachment III Forms, Year 1 Task Order, and Reasonableness of Exhibit B rates
  - Factor 3, Past Performance
    - Adjective assigned in the form on a Confidence Rating
    - Two Components: Pertinence (relevance) and Performance

- For the purposes of this solicitation and for proposal preparation purposes, “significant subcontractor” is defined a single subcontract over $300,000 in annual value OR a single subcontractor is proposed to perform any Statement of Work area in its entirety

- For the purposes of projecting the impact of this contract on the offeror’s forecasted rates, the offeror should only assume the Year 1 Task value, not the IDIQ maximum of $20M.

Intend to award without discussions (see FAR Clause 52.215-1); however, exchanges may occur if determined necessary by the CO (see FAR 15.306)

REQUEST FOR PROPOSALS (CONTINUED)

- Summary of Section M (continued) - Relative Importance Of Evaluation Factors
  - The Mission Suitability factor will be scored on a 1000 point scale.
  - Overall, in the selection of a Contractor for contract award, Mission Suitability, Price, and Past Performance, will be of approximately equal importance. All evaluation factors other than Price, when combined, are significantly more important than Price.

QUESTIONS & ANSWERS

- Questions and Answers will be conducted after the site visit.

- Please return to this room within 10 minutes after conclusion of site visit for questions and answer session.

CLOSING REMARKS

- Lunch at your convenience in Bldg. 2102, Cafeteria
- Reminder to submit any additional questions in writing to the Contract Specialist before you leave or submit via email as stated in the RFP
- Meetings for technical discussions will commence upon conclusion of the site visit. Additional meetings with industry, if needed, or for those that could not attend will continue until Final RFP release.
- Badges – Return to Badge and Pass Office or leave badge in drop box
- The Final RFP and any amendments made hereafter takes precedence over all responses received during this Preproposal Conference/Site Visit

NASA LaRC's
Geospatial Support Services

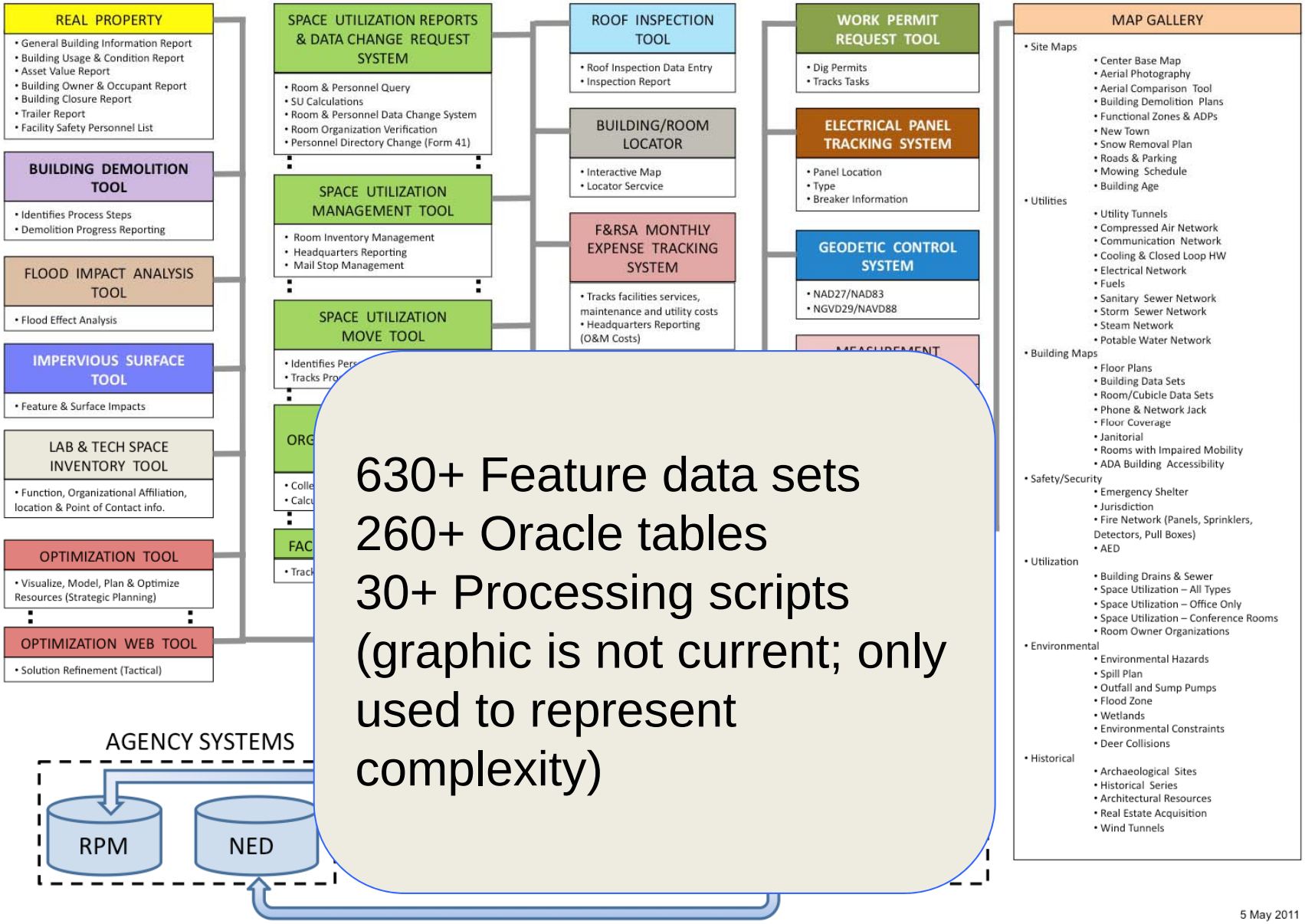
COD/RMO/GIS
NASA Langley Research Center
June 2015

Background

Interelated Major Areas of Work

- **Plant/Campus Data (ESRI):**
  - *Base Map, Utilities, Aerial/LiDAR, Network Analysis*
- **Building Interior Data (ESRI):**
  - *Gross/Net, ~20 layers such as elect. panel, fire*
- **Relational Database (Oracle):**
  - *SDE, SU, RP, FRS, Move Tool*
- **Measurement Technologies (Trimble):**
  - *GPS, OTS, Laser Scan, Leveling, Geodetic Control*
- **Other:**
  - *Optimization, BIM, mobile/virtual*

Langley Research Center
Spatial Data Management & Decision Support



630+ Feature data sets
260+ Oracle tables
30+ Processing scripts
(graphic is not current; only used to represent complexity)

5 May 2011

Oracle Apps.

gis-www.larc.nasa.gov/database.html

Most Visited | Getting Started | Ask.com - What's... | Latest Headlines | NASA

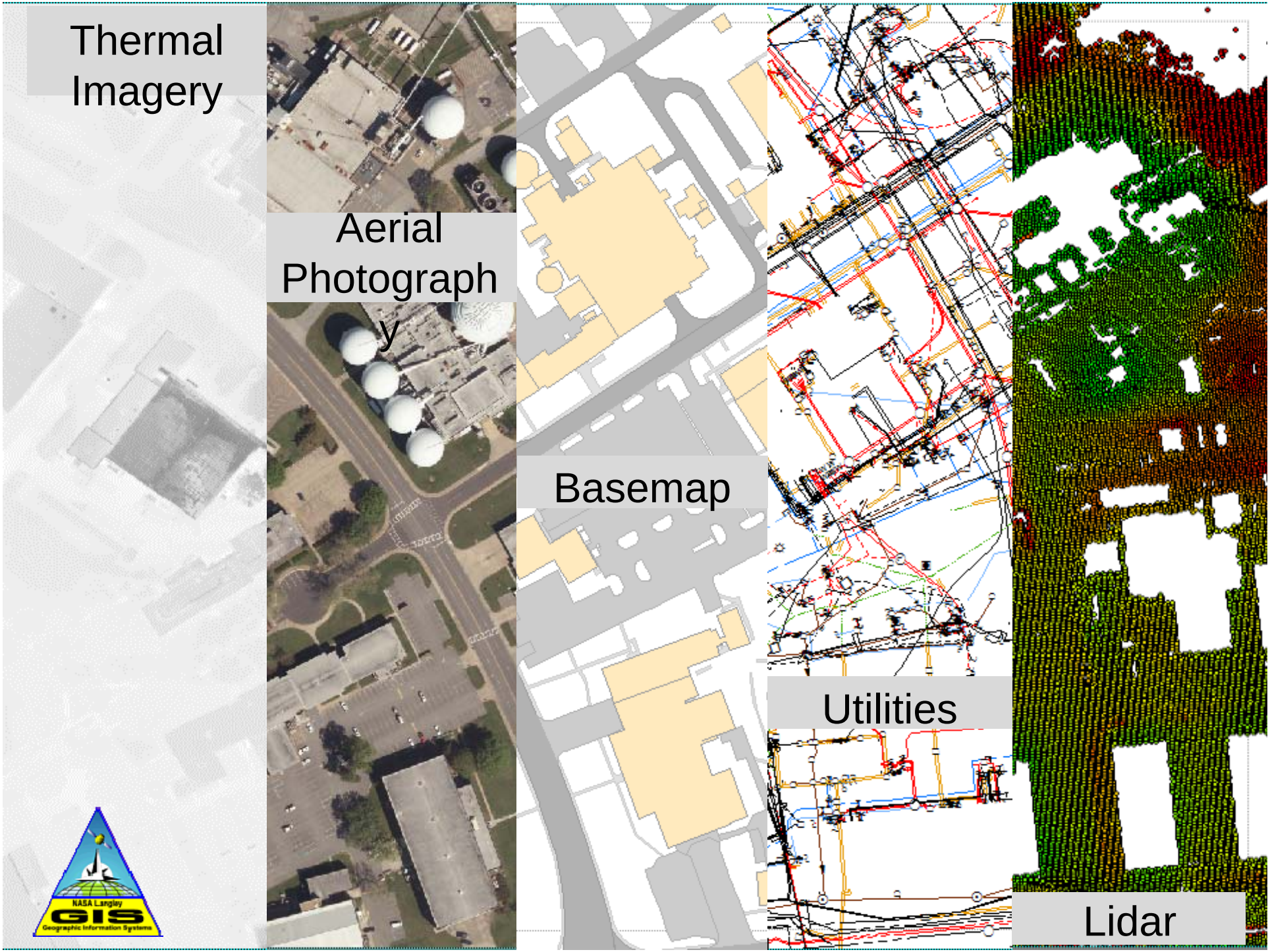
GIS Database Services Menu

These are interfaces to the production databases maintained by the GIS Team. Some links are available to all LaRC personnel, as noted below. Other links are for pre-authorized personnel only. An error message will be displayed if you attempt to access a restricted tool for which you have not been pre-authorized. All of the links below now require user authentication via LaunchPad, even if no pre-authorization is required. LaunchPad (eAuth) is the agency level single sign-on system managing all NASA user logins. Once you have an active agency login, you can switch applications without a new login. Pre-authorizations are locally managed by the GIS Team.

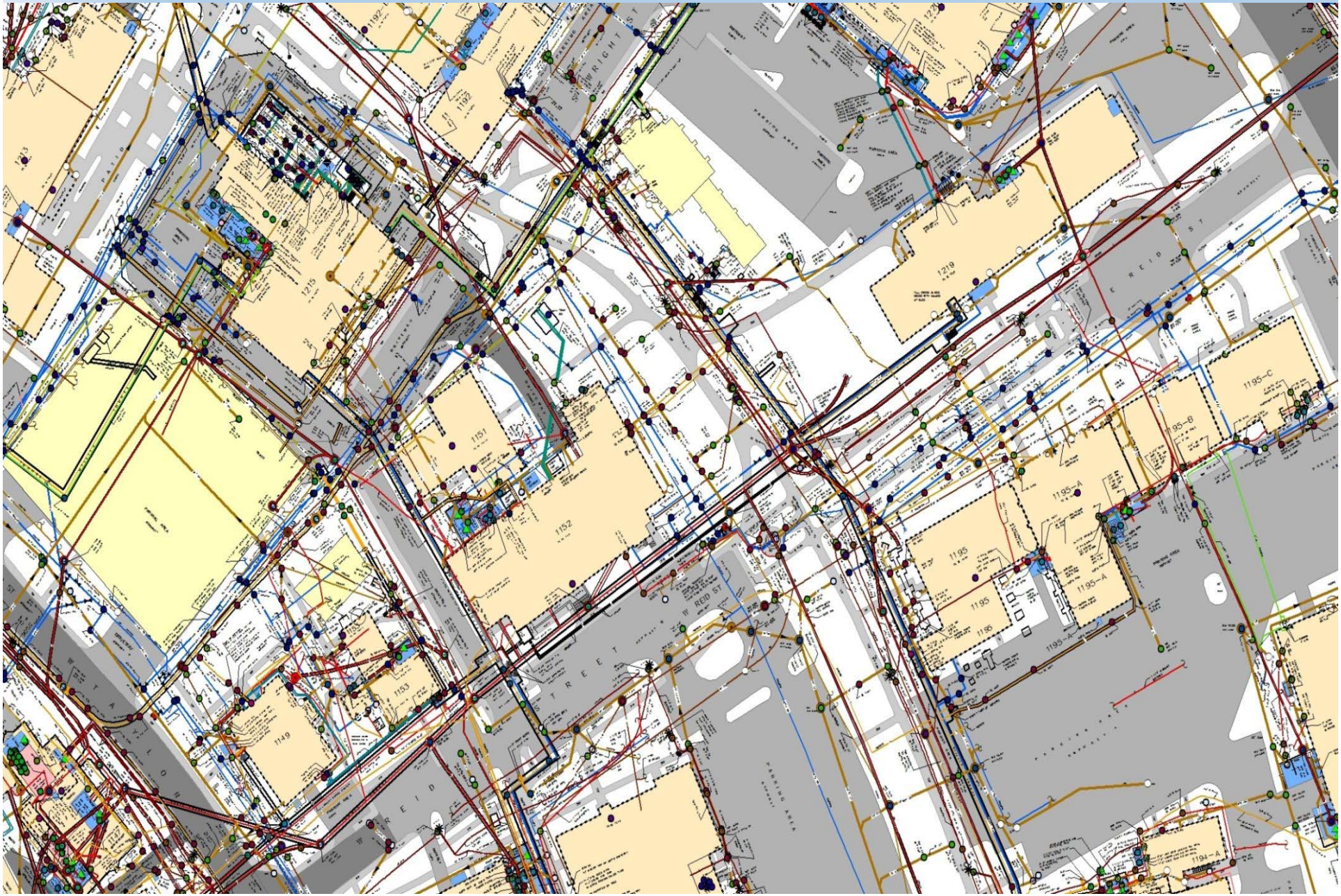
Please note that eAuth logins expire after 30 minutes of inactivity with the server. Save all data changes before any inactivity period. Otherwise, the LaunchPad redirect to re-login will cause unfortunate data losses and/or error messsages. See Known eAuth Issues for details.

- Real Property Tool: This tool is available to all LaRC personnel for viewing building level information such as building names, square footage, asset values, usage classifications, coordinators, safety heads, closures, occupants, associated organizations, and detailed trailer information. It includes drill downs into the Space Utilization Tool to view room level information for net square footage. Note that the HQ Real Property Management (RPM) database is the master source for asset value information which in turn is downloaded to this system quarterly.
- Space Utilization Tool: This tool is available to all LaRC personnel for viewing room, onsite personnel locator, and space utilization calculation data. It is particularly useful to determine room ownership, under occupancy, and over occupancy. It also allows room and personnel locator change requests to be submitted.
- Electronic Langley Form 41: This tool is available to all LaRC personnel for submitting an electronic version of Langley Form 41 to update personnel directory information. The database update may take up to 24 hours after an e-mail is sent verifying the request approval and completion.
- Move Tool: This tool supports the submission and processing of personnel relocation requests as well as non-personnel related room-to-room moves. Per move request, the level of support required is determined. Center Transportation Services are scheduled to move boxes, furniture, and any equipment not provided by ACES. ACES support is scheduled to move any phone/fax/computer/peripheral equipment maintained by ACES. Form 41 requests are generated for completed personnel relocations. This tool is available to all LaRC personnel for submitting new move requests, entering the required details for your own move, and reviewing all of the details for a particular move request. Move administration functions are restricted.
- Work and Dig Permit Requests: This tool supports the submission, approval, and life cycle management of work and dig permit requests involving LaRC's facilities and infrastructure. Work permits, issued after reviews by the safety and IQA personnel, are required for any work on a facility involving construction, demolition, or utility system impacts. Dig permits are required for each ground excavation deeper than six inches so utility safety markings and location updates can be completed by surveyor personnel. The tool is available to all LaRC personnel to submit and view permit requests. All other functions are restricted to IQA, safety, surveyor, and COD management review personnel.
- Facility Closure & Demolition Tool: This tool tracks the life cycle process from the time that a facility is evaluated for closure through the time that it is disposed, typically by the means of a demolition. The Center Reports section, which provides a status tool for the entire center, is available to all users. The Langley Form (LF) 124, the Facility Closure Checklist, is also incorporated to ensure that all of the Functional Reviews have been completed and that any actions have been resolved.
- Electronic Langley Form 461: This tool is available to all LaRC personnel for submitting the Environmental Project Planning Form (LF 461). This form is

40+ Web Tools


Thermal Imagery
Aerial Photography
Basemap
Utilities
Lidar
NASA Langley
GIS
Geographic Information Systems

Plant Data


W REID ST
1151
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1195
1195-A
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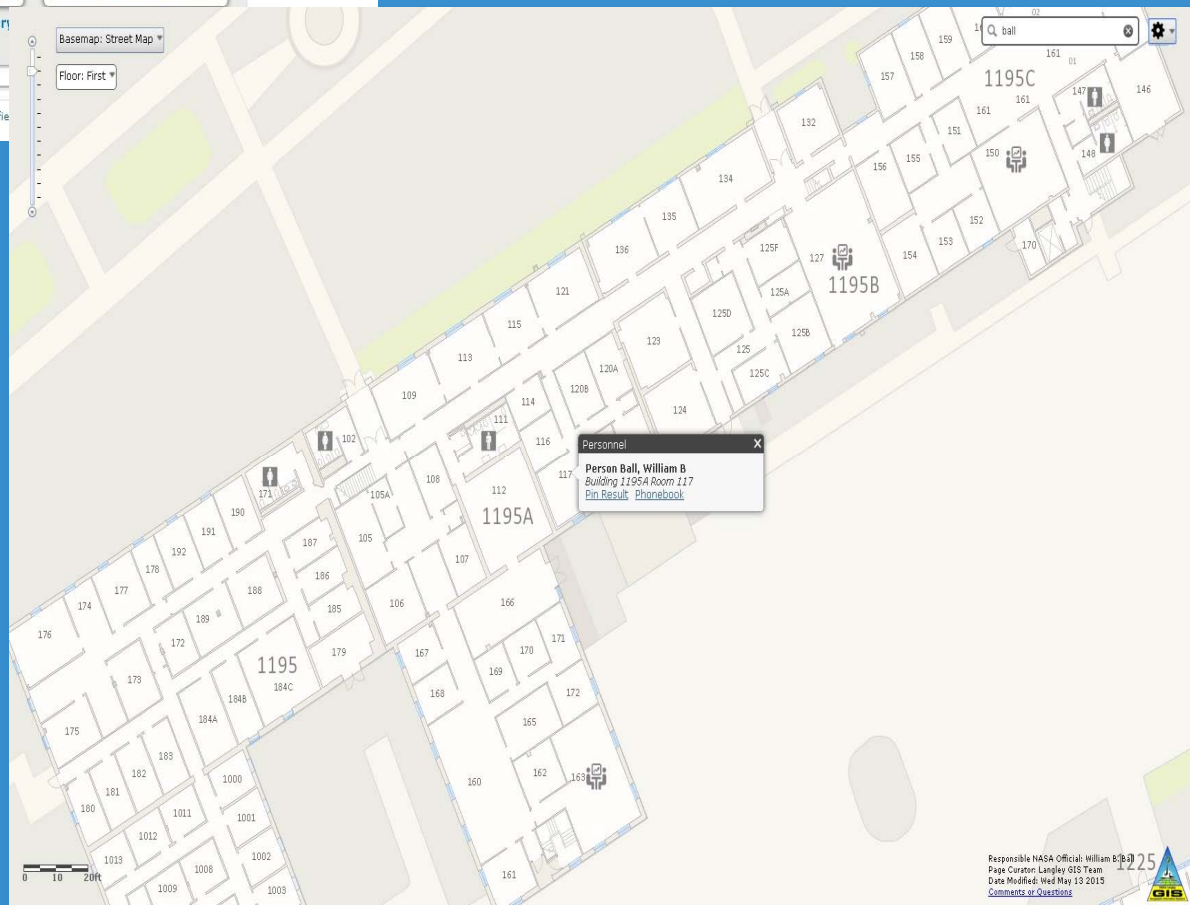
1195-C
1219
1215
1194-A

Building Floorplan Data

Orthographic floorplan data mapped to geographic space

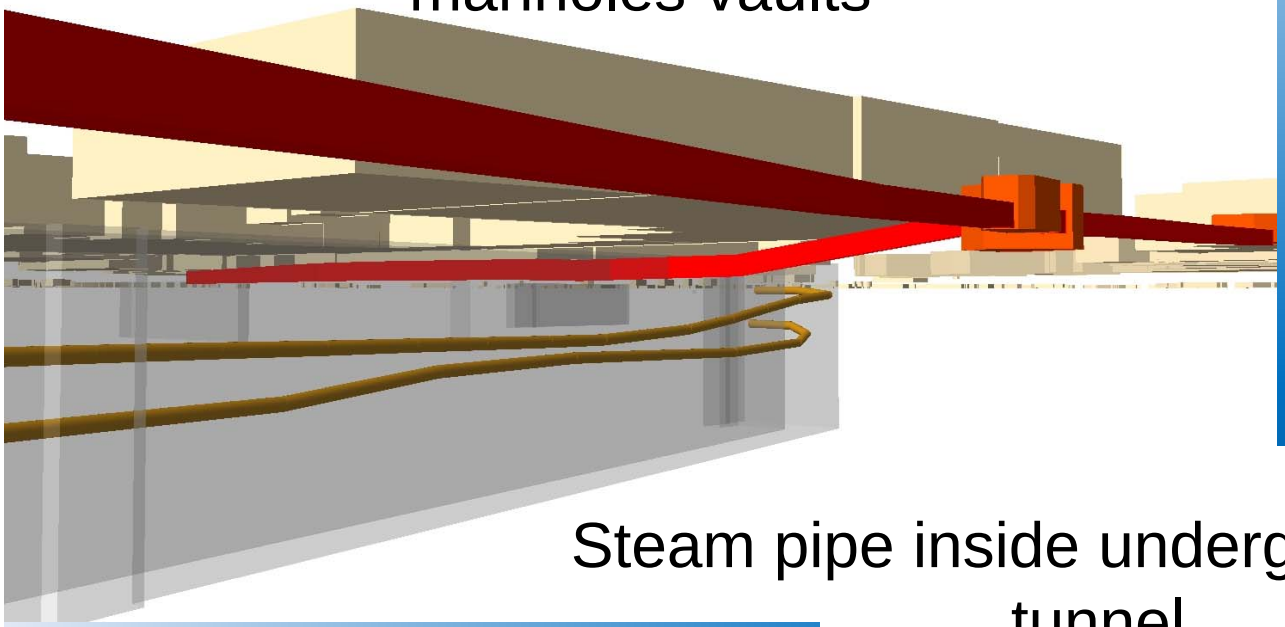
- Comprehensive, searchable index for data and services.
- Collaborative, web-based environment.

- Provides access to web-based apps.
- From desktop or mobile device.
- 150+ Web maps

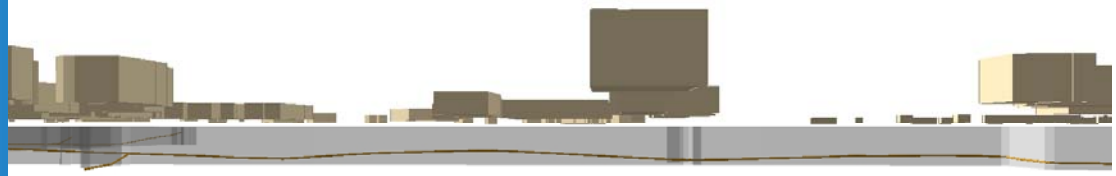


LaRC Utility Simple 3D model

Underground electric ductbanks and manholes vaults

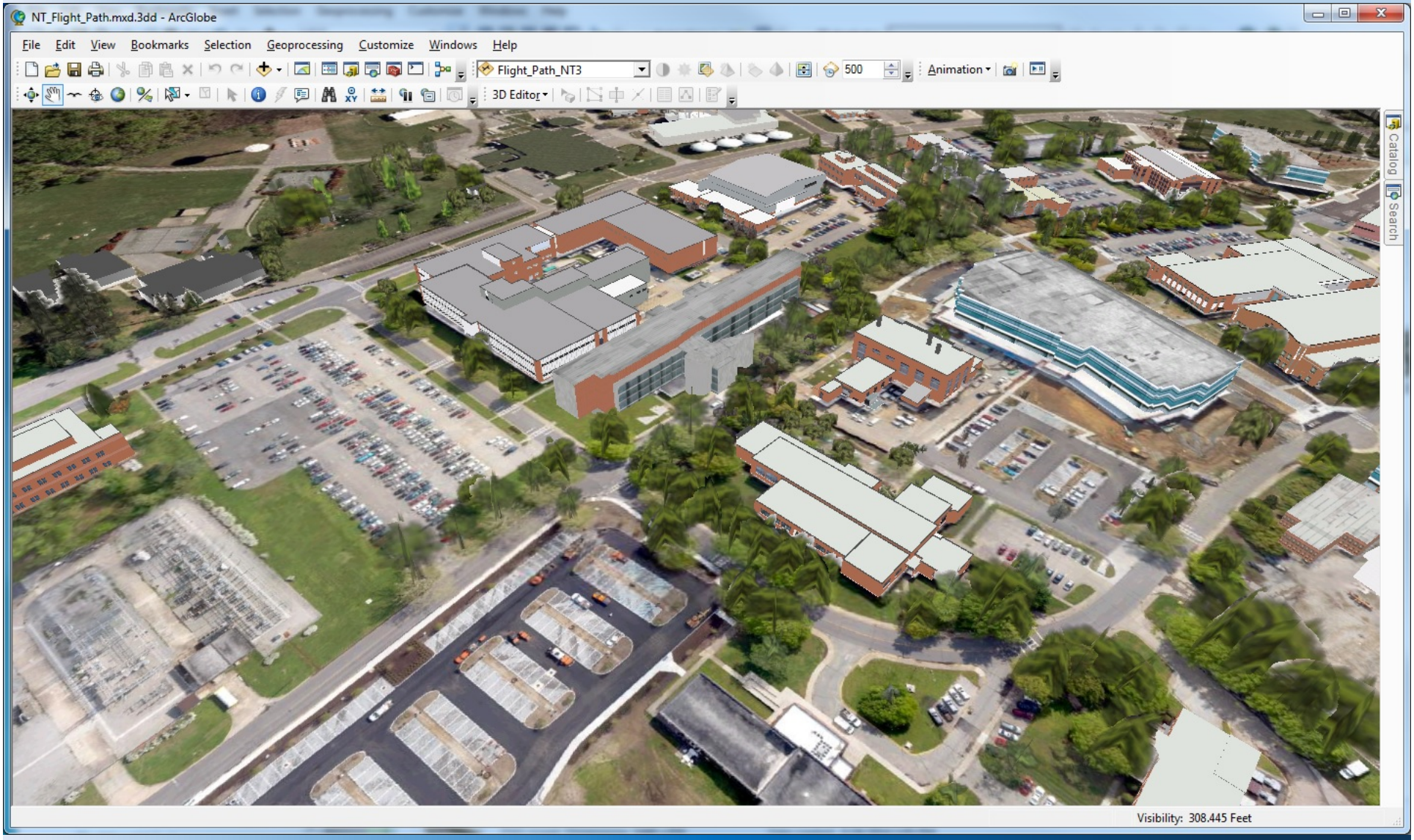


Steam pipe inside underground utility tunnel



Elevation profile used to identify optimal placement of steam condensate traps

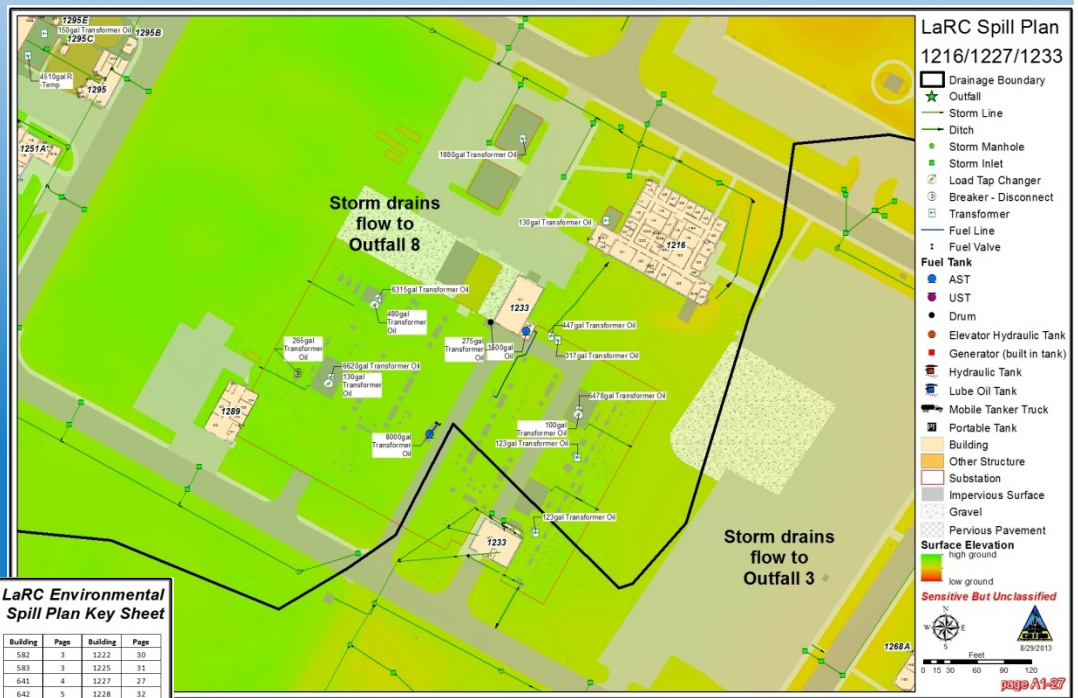
3D Models

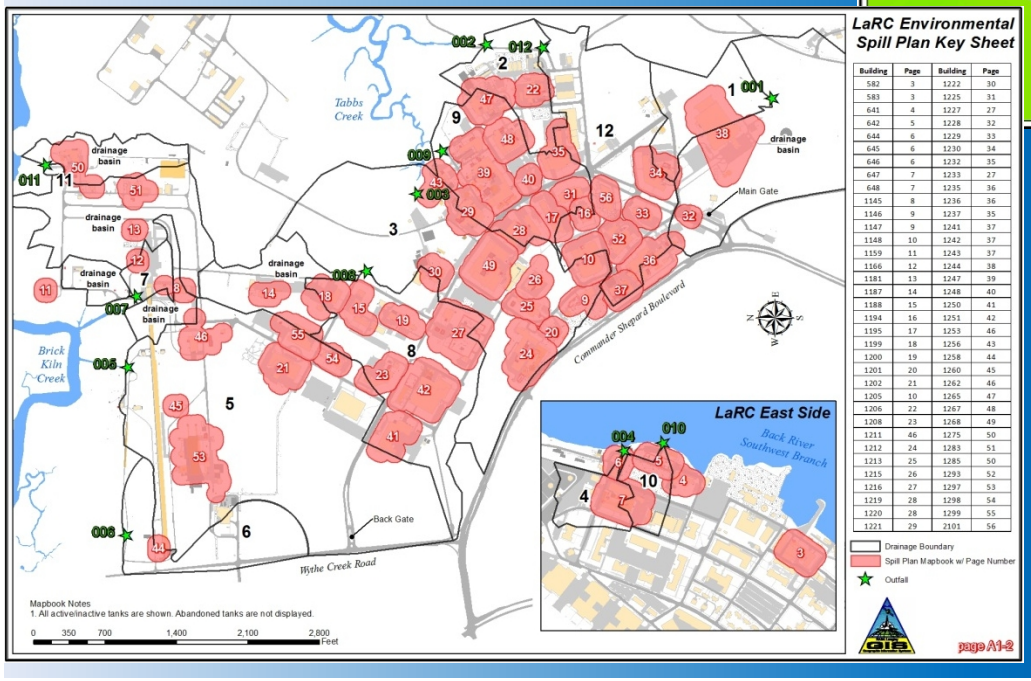


City Engine with UAS imagery

Environmental Spill Plan

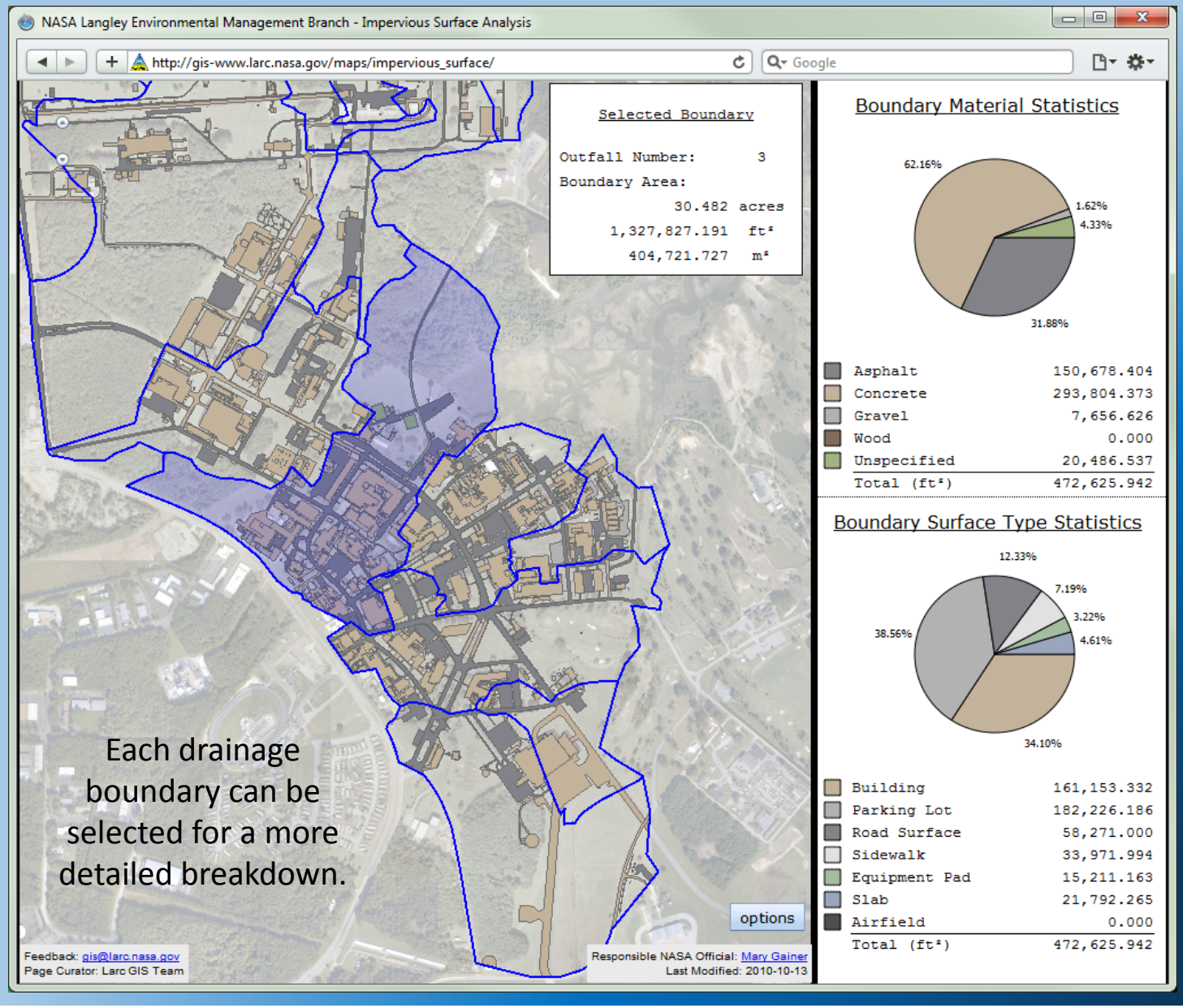
- Surface gradient for potential ground surface flow
- Storm inlets, pipes, ditches displayed with flow direction for spill interception





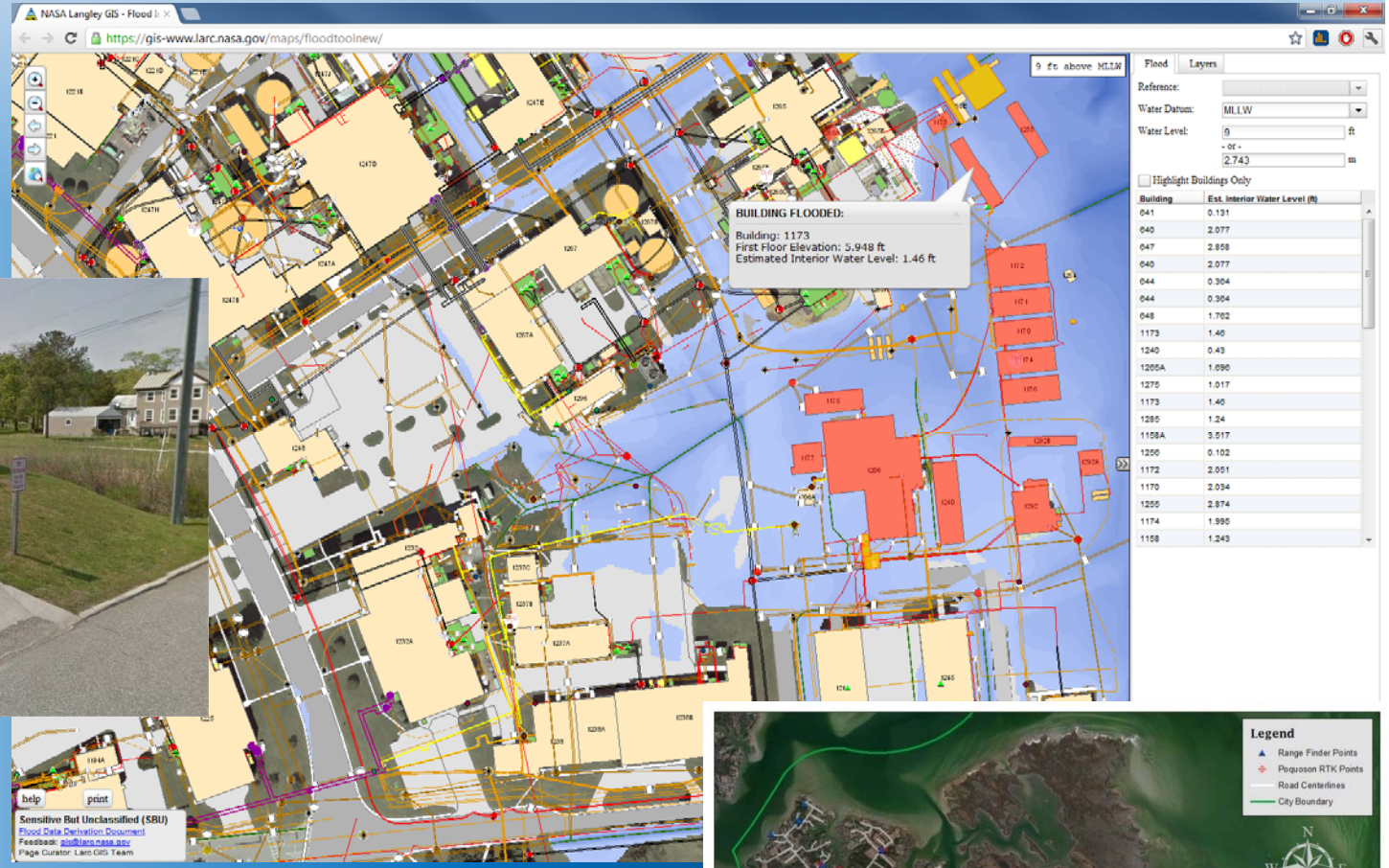
- Outfall drainage boundaries describe final point of containment before dispersing into environment
- Petroleum tanks labeled by volume and oil type
- Tanks symbolized by container type

LaRC Impervious Surface Analysis



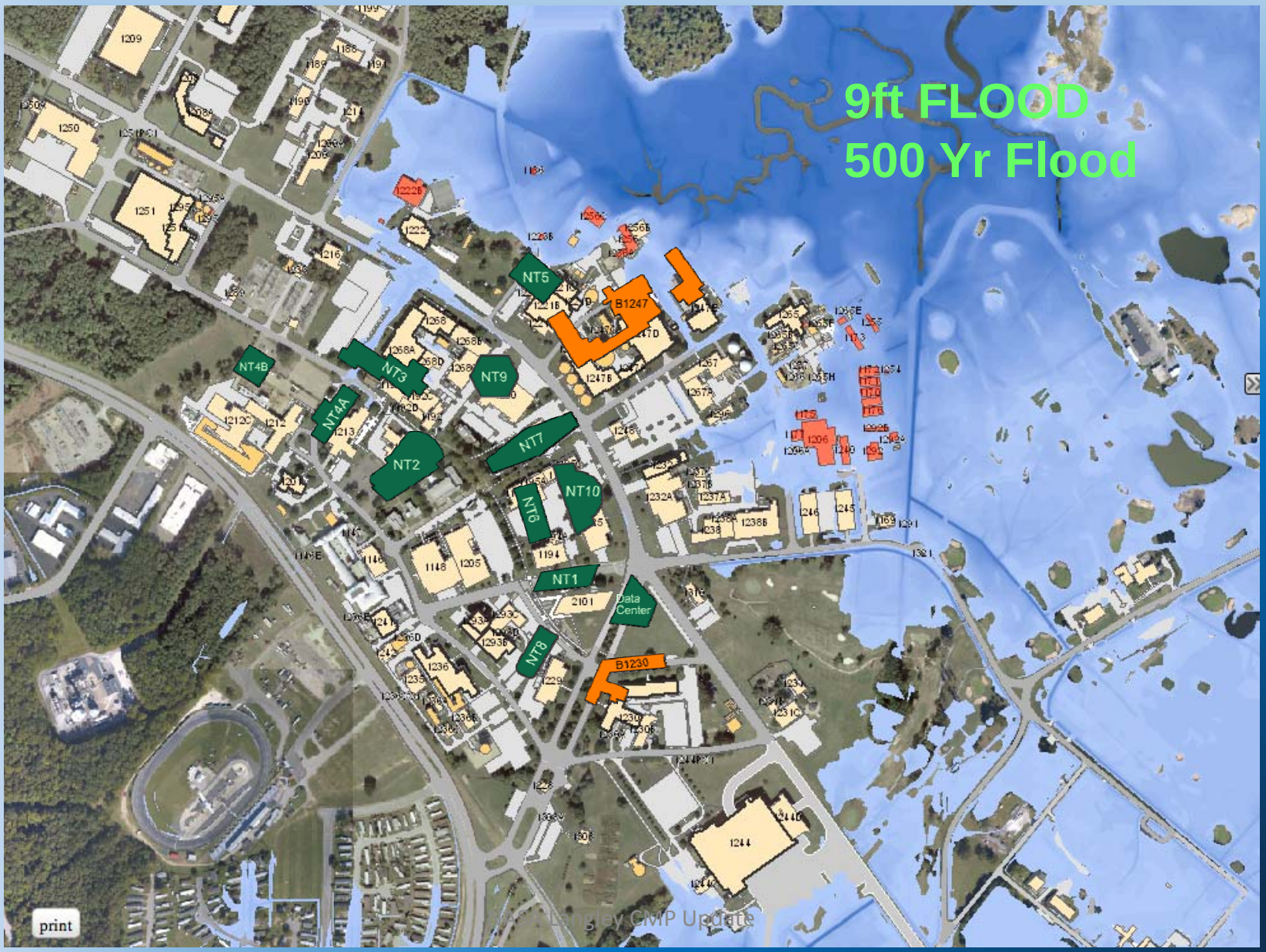
Each drainage boundary can be selected for a more detailed breakdown.

LaRC Flood Impact Analysis



Flood analysis tool predicts flooding impact on buildings and utilities based on local tidal surge predictions. Tidal datums directly related to vertical NAVD88 datum. Capability replicated for Langley AFB, City of Poquoson & Fort Monroe Authority.

Flooding and the Core Campus



Parking Optimization

New Data Center will be placed in triangle space near LaRC HQ

Impact:

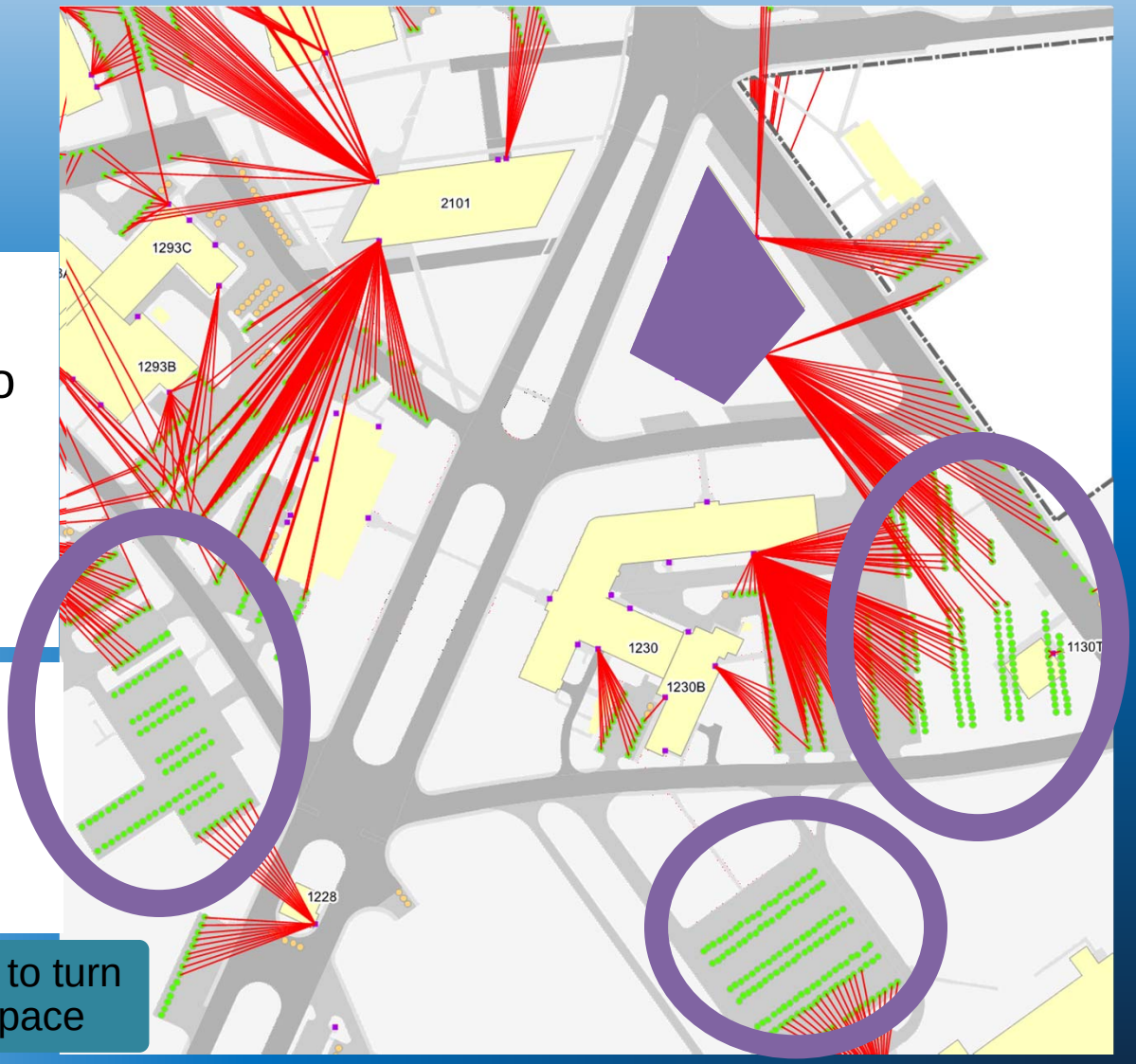
Forces many employees to traverse Langley Blvd

(Center's busiest street)

Solution:

Add additional parking spaces near B1230

Tool will also identify opportunities to turn unused parking lots into green space

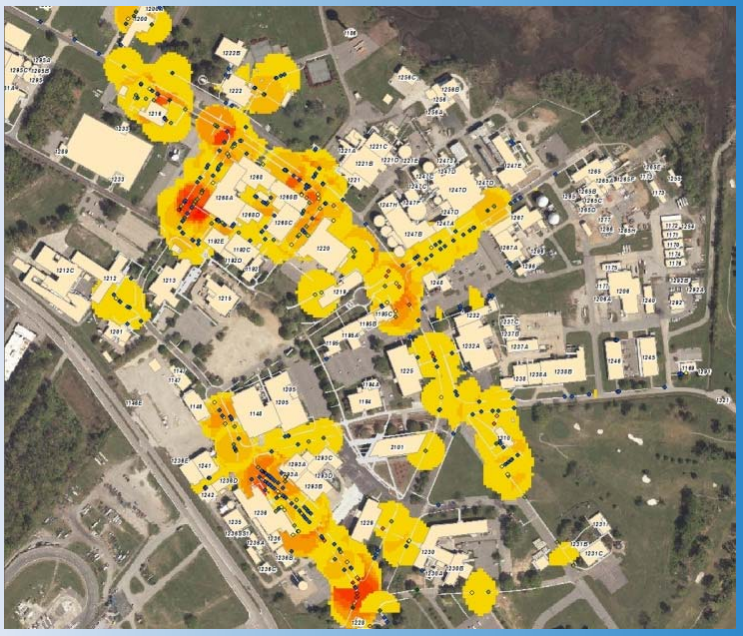


Baseline: Area near LaRC HQ (New Town 1)

Sidewalk Safety Survey

- Identifying deficiencies and safety hazards on sidewalks/walkways across the center
- Used handheld devices to GPS locations on LaRC center map. Marked with pink paint.
- Heat map identifies major areas of concern

Trip Hazards



Equipment Location

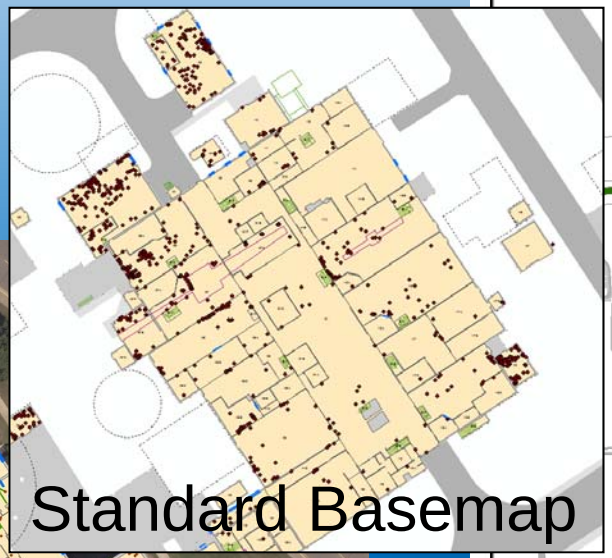
- ~45k assets managed in IBM Maximo database
- ~21k assets have been located in GIS thus far
- Data collection with ArcGIS mobile on a variety of devices
- Potential $3M savings

- Integrated camera and barcode scanner creates efficient work flow process and reduces potential errors
- Photographs linked to point locations
- Location estimated to be accurate within 10’

Equipment Location

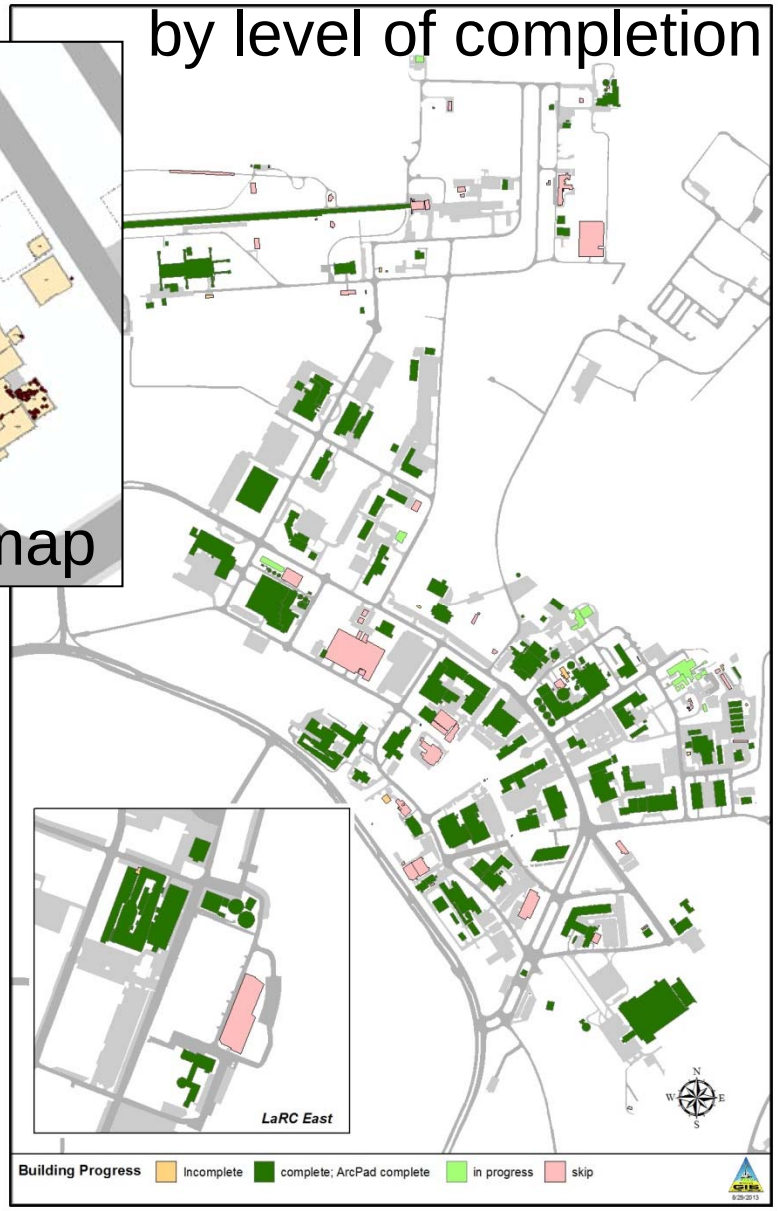
- All equipment locations available on a single map
- Web enabled

Floorplan with Aerial Photography

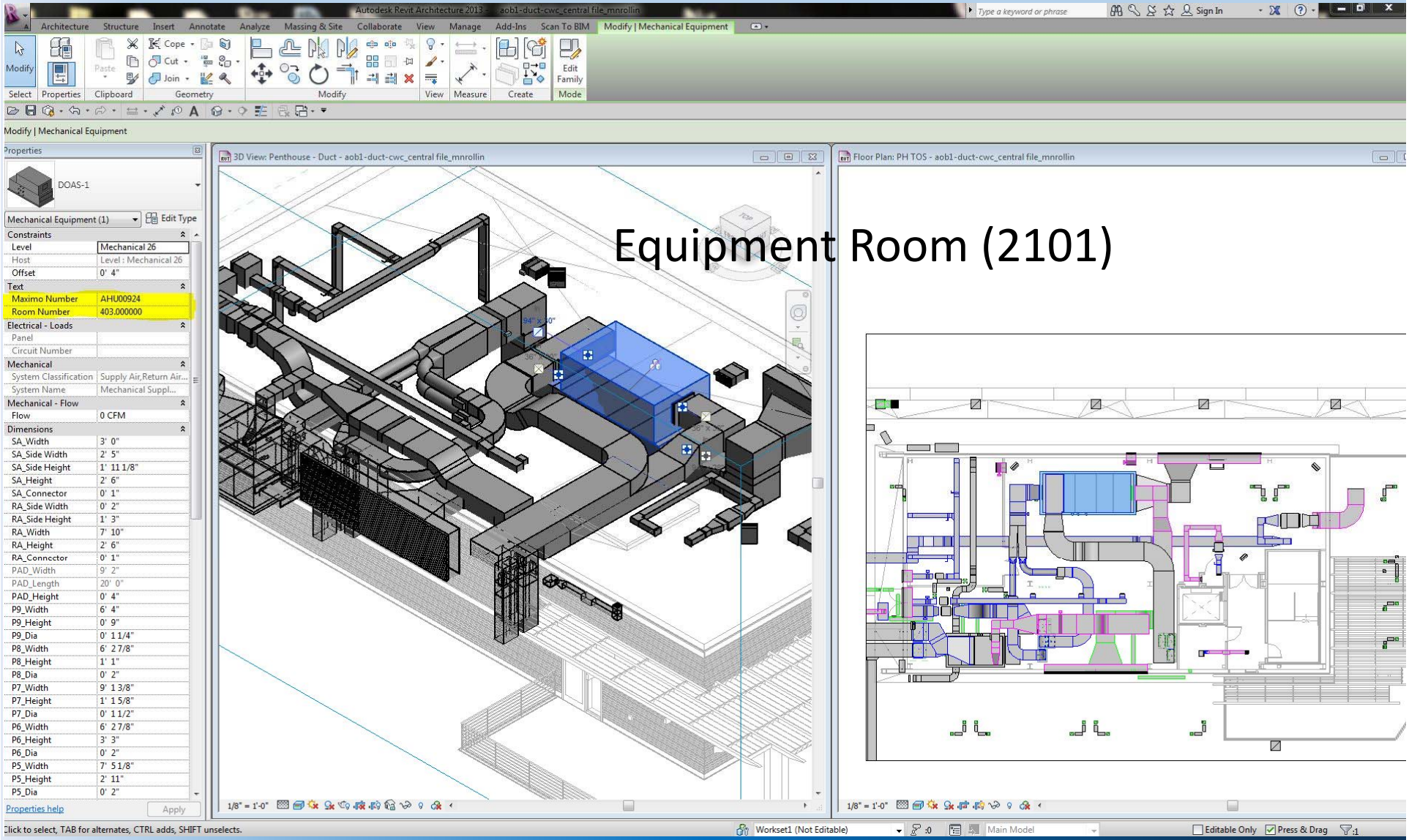


Standard Basemap

Buildings symbolized by level of completion

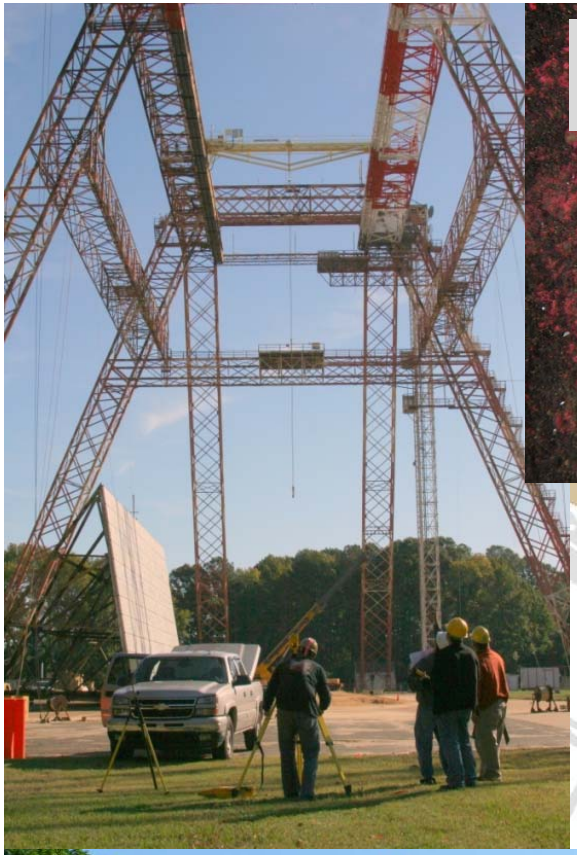


Equipment Location in BIM



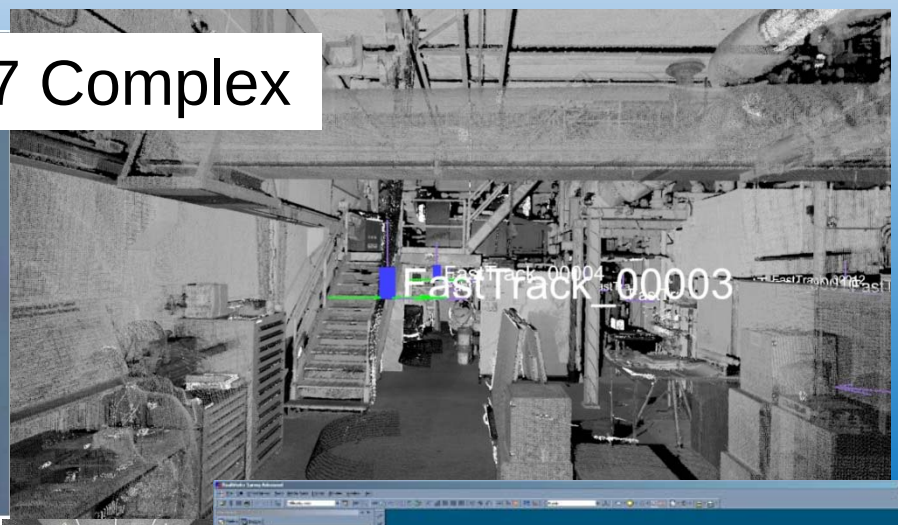
Equipment in Building Information Model (BIM) linked to Maximo & GIS databases

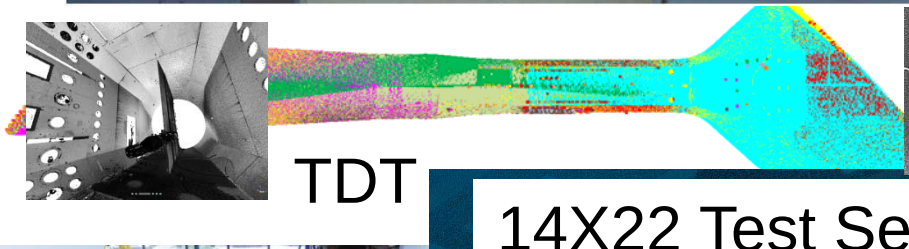
Survey/Measure/Layout



3D Laser Scanning

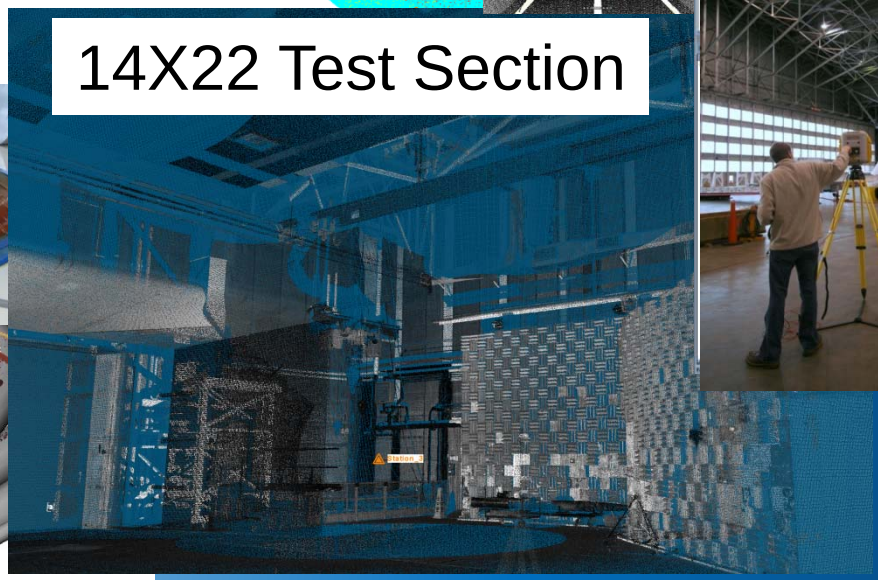
1247 Complex

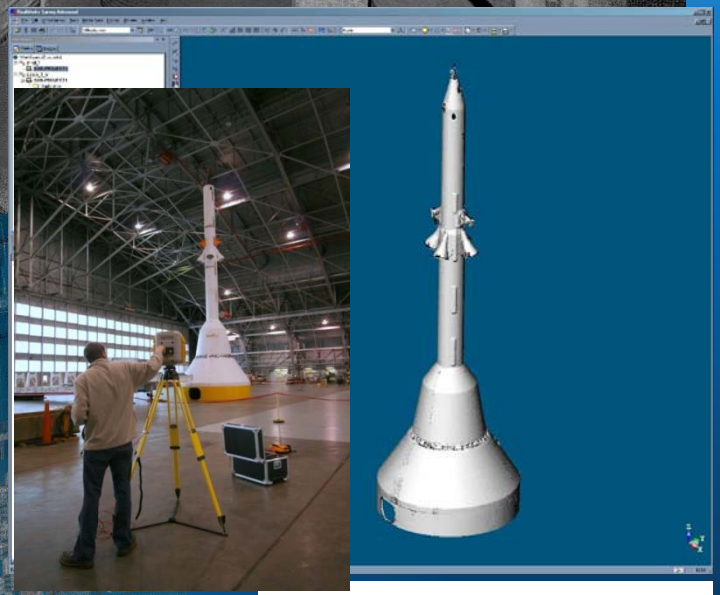




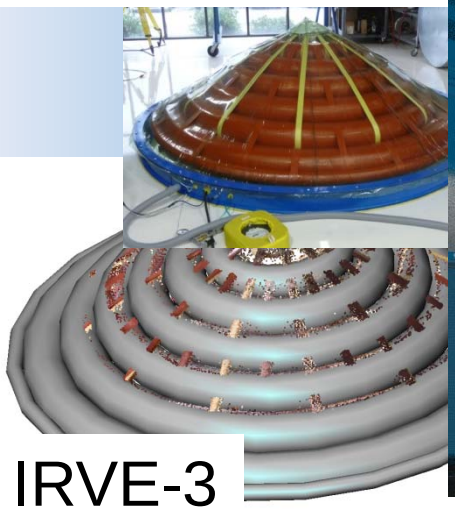
TDT

14X22 Test Section





Orion LAS/CM



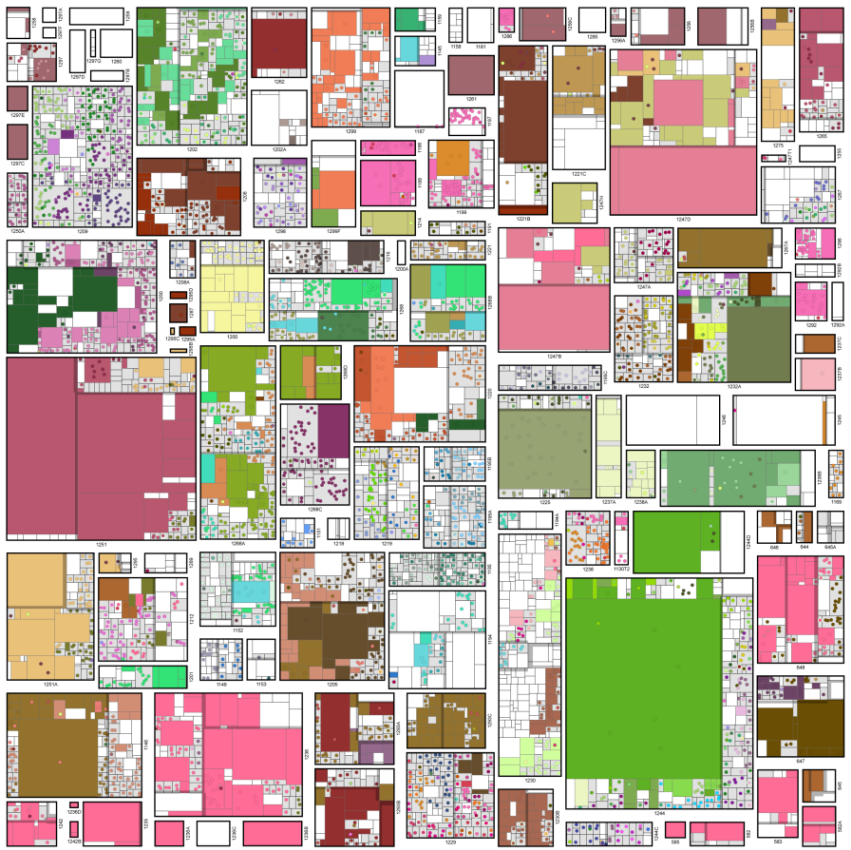
IRVE-3

1247E COMPRESSOR STATION
3D POINT CLOUD

1247E COMPRESSOR STATION
PHOTO

Space Planning

- Visualize assets
- Model organizational synergy, operational costs
- Plan complex move constraints
- Optimize solutions to save money and improve effectiveness



Langley Research Center Geospatial Support Services
Solicitation NNL15ZB1004R
SIGN-IN SHEET

PRE-PROPOSAL CONFERENCE – JUNE 3, 2015						
	Individual's Name	Organization	Phone Number	E-Mail Address	Attending Conference	Attending Site Visit
1	Robert Crutchfield	Masego Inc	702 812 8718	brcrutchfield@masego security.com	✓	✓
2	DENNIS ELLINGTON	WOOLPERT, INC.	937-531-1457	DENNIS.ELLINGTON@WOOLPERT.COM	✓	✓
3	Troy Hayes	Midland GIS Solutions	660-582-1633	tryhayes@midlandsurvey.com	✓	✓
4	MATT SORENSEN	MIDLAND GIS SOLUTIONS	660-853-1011	sorensen@midlandgis.com	✓	✓
5	Joe Hanley	Textron Systems	703-307-8754	Jhanley@textronsystems.com	✓	✓
6	LEE HOJNICKI	FWG Solutions	240-695-3364	Lee.Hojnicki@FWGSolutions.com	✓	✓
7	Russell Minich	Timmons Group	804 516 3926	russell.minich@Timmons.com	✓	✓
8	Jim Wright	ADS	757 705 7558	jwright@aerialdata.com	✓	✓
9	MIKE SMALLWOOD	PARALLEL INC	540-326-5264	msmallwood@parallel-inc.com	✓	✓
10	Sheila Steffenson	VSolvit	210-863-4948	sheila.steffenson@vsolvit.com	✓	✓
11	Aaron McMichael	GENEX Systems	757-838-5065	amcmichael@genexsystems.com	✓	✓
12	Min Kim	GENEX Systems	757-838-5065	mkim@genexsystems.com	✓	✓
13	Pete Kucera	GENEX Systems	757-838-5065	pkucera@genexsystems.com	✓	✓

PRE-PROPOSAL CONFERENCE – JUNE 3, 2015						
	Individual's Name	Organization	Phone Number	E-Mail Address	Attending Conference	Attending Site Visit
14	Kevin Siegel	Atkins	757-596-8650	Kevin.Siegel@atkinsglobal.com	✓	N
15	ZACHARY BACCALA	Sobis	410-251-4257	zack@enspatial.com	✓	✓
16	Bill Bohn	Sobis	703-655-4071	bbohn@sobisinc.com	✓	✓
17	Shawn Zhang	Spatial Front, Inc	240-498-2960	shawn.zhang@spatialfront.com	✓	✓
18	JONATHAN Soulen	Baker	757-631-5446	jsoulen@mbakercorp.com	✓	✓
19	ADRIAN Price	Dynamix	301-758-0451	price@dynamixgroup.com	✓	✓
20	Tracy Gregorio	G2 Ops Hub	757-965-8330	tracy@g2-ops.com	✓	✓
21	Robert Gregorio	G2 Ops Hub	571-830-0259	bobg@g2-ops.com	✓	✓
22	Annette Thereoux	Pro-West	218-556-4554	athereoux@prowestgis.com	✓	✓
23	Catherine Marshall	GISi	949-233-4182	cmarshall@gisinc.com	✓	✓
24	Anthony Brigantic	Booz Allen Hamilton	757 615 9026	brigantic_anthony@bah.com	✓	✓
25	Jonathan Bailey	America 4G	240-723-6324	jbailey@america4g.com	✓	✓
26	Elizabeth Powell	Marstel-Day	540-376-8680	epowell@marstel-day.com	✓	✓
27	Diego Negron	Marstel-Day	540-680-9394	dnegron@marstel-day.com	✓	✓
28	SEAN KYZAR	GISi	205-941-0447 x220	seankyzar@gisinc.com	✓	✓
29	Douglas Brown	Booz Allen Hamilton	757-952-6535	brown_douglas@bah.com	✓	✓
30	Sadanand Prabhu	Ardmore Consulting	404 ~~AAA~~ 214 ~~DDDD~~ 0457	sprabhu@ardmore28.com	✓	✓

PRE-PROPOSAL CONFERENCE – JUNE 3, 2015

	Individual's Name	Organization	Phone Number	E-Mail Address	Attending Conference	Attending Site Visit
31	Cris Benavides	BarBaricum	7034075186	cris.benavides@barbaricum.com	✓	✓
32	DEEPAK BELLANI	ONE WORLD	571 230 0542	dbellani@1worldsol.com	✓	✓
33	MANISH KHERA	HARMONIA	703-407-7051	mkhera@harmonia.com	✓	✓
34	TAN ASLAM	TCS	301-614-3789	tanaslam@TCSystems.net	✓	✓
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PRE-PROPOSAL CONFERENCE – JUNE 3, 2015						
	Individual's Name	Organization	Phone Number	E-Mail Address	Attending Conference	Attending Site Visit
48	Stephen Romeo	VHB, Inc	592-6300	sromeo@vhb.com	Y	Y
49	Michael Mastracci	Bosh Global Svcs.	771-8003	michael.mastracci@boshgs.com	Y	Y
50	Sheila Steffenson	VSolvit	210-863-4948	Sheila.Steffenson@VSolvit.com	Y	Y
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