New York State Department of Transportation
Request for Proposals for Contract #C037711 for
Right of Way and Real Estate IT System Services

Attachment 1A
Technical Proposal Response: Interface Requirements

Proposer’s Name: Enter Proposer Name Here
Date: ____________

Instructions:
1. For each requirement contained within this document a response is required.
2. If additional space is needed then each Proposer should clearly label their response with the requirement identifier.
3. NYS reserves the right to allow itself and/or the Proposer to correct obvious errors of omission.
4. Within each of the responses, and as applicable, identify which requirement(s) from Attachment 1 Functional Requirements will be met.

For each of the following business challenges, provide detailed responses as to how the offered solution meets the requirement.
Overview:
The proposed OROW solution must include the following interfaces. The selected Consultant shall be responsible for documenting and implementing the methods for incorporating and disseminating all data that is required by the OROW application on an ongoing basis. The methods established to incorporate data from other NYSDOT applications into the OROW application and to distribute OROW application information to other NYSDOT applications must align with NYS ITS technical requirements where possible (see Attachment 20 ITS Technical Services and Standards Overview).
The detailed interface requirements for each of the following will be identified, documented and agreed to during the Design Phase of the resulting Implementation project where sufficient detail is not known at this time.

A. **NY.GOV ID (Identify Verification)**
   The NY.GOV ID Services provides a centralized user identity and access management solution for NYS Internet and Internet applications.

B. **FileNet (Document Management)**
   The FileNet document management application will be used to store and retrieve all documents and images required to support the work performed by the NYS DOT staff and documents and images provided by external users (public permit applicants and Consultants) in support of the OROW. OROW users must be able to search the FileNet repository contents to locate specific information. Links to documents stored in the repository must be supported within the solution user interface. Historic OROW documents must be migrated from shared network drives into the repository during initial configuration. This capability must support the CMIS standard (Content Management Interoperability Services) and the application must use this interface for ALL document storage needs. Interface will be a bi-directional webservice. The FileNet metadata will be defined during the design phase of the project. The content will include forms, maps, photos, or other types of documentation as needed.

C. **NYS GIS**
   The NYS ITS GIS Program office provides GIS spatial data layers across NYS Agency offices. This information includes both State level and Local level layer information that should be retrievable from within the solution. Local information includes Tax Maps that must be available as a layer of information for users to view property boundaries when planning and executing projects. Files provided by the NYS ITS GIS Program Office are retrieved using web services.

D. **NYS DOT Esri ArcGIS**
   The Esri ArcGIS platform is used within the NYS DOT to manage geographic data about roadways and projects managed by the Department. The ability to view and capture information about Maps and Parcels involved in OROW projects and Surplus Property must be supported. Users should be able to draw and save shapes on roadways and right of way parcels for analysis and planning purposes. Users should be able to view Sign locations along the roadway using captured spatial coordinates assigned to Sign Permits.

E. **SMTP**
   The ITS Enterprise SMTP gateways will be utilized for sending email notifications and alerts related to project execution tasks and monitoring. The email functionality will be supported using email addresses for system users and email addresses for public users that are entered with their applications for permits. This is a one-way interface capable of sending email.

F. **PSS/OPPM Data Warehouse**
The PSS/OPPM (Program Support System)/Oracle Primavera Portfolio Management) system is used to manage NYSDOT’s Capital Program and related projects. Information from this system is fed into a Data Warehouse that is used for reporting and interfacing with other applications. This interface will be one-way to allow the solution to query Capital Project information for display and capture. The exact method for this interface will be determined during the design phase of this project.

**G. Mobile Access**
Mobile access is a desired feature of the solution. This interface should support the capture of images/photos and data while solution users are operating in the field. Also desired is the capability to display maps and associated spatial data within the mobile features while in the field. The exact method for this interface will be determined during the design phase of this project.

**H. Public Portal**
The solution must be able to integrate with a portal to support public requests for permits and rentals/leases.

**I. Reporting**
The solution should support the establishment of business intelligence schemas and enable the creation and updating of management reporting data structures.

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<tr>
<th>Rqmt. No.</th>
<th>Requirement Description – Interfaces</th>
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<tbody>
<tr>
<td>IF1</td>
<td>Proposers shall describe how their proposed solution shall meet each of the above NYSDOT interface requirements. Describe how your system would interface with each of these connection points.</td>
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IF1 - Proposer’s Response: