

FORM A: PROPOSAL
(See B8)

1. Contract Title PROVISION OF SOFTWARE AND SERVICES FOR A CITY-WIDE DATA SHARING SOLUTION

2. Bidder

Name of Bidder

Usual Business Name of Bidder as it appears on Invoice (if different from above)

Street

City

Province

Postal Code

(Mailing address if different)

Facsimile Number

Street or P.O. Box

City

Province

Postal Code

GST Registration Number (if applicable)

Province

Postal Code

The Bidder is:

(Choose one)

a sole proprietor

a partnership

a corporation

carrying on business under the above name.

3. Contact Person

The Bidder hereby authorizes the following contact person to represent the Bidder for purposes of the Proposal.

Contact Person

Title

Telephone Number

Facsimile Number

4. Definitions

All capitalized terms used in the Contract shall have the meanings ascribed to them in the General Conditions and D3.

5. Offer

The Bidder hereby offers to perform the Work in accordance with the Contract for the Price(s), in Canadian funds, set out on Form B: Prices, appended hereto.

6. Execution of Contract The Bidder agrees to execute and return the Contract no later than seven (7) Calendar Days after receipt of the Contract, in the manner specified in C4.1.
7. Commencement of the Work The Bidder agrees that no Work shall commence until he is in receipt of a notice of award from the Award Authority authorizing the commencement of the Work.
8. Contract The Bidder agrees that the Request for Proposal in its entirety shall be deemed to be incorporated in and to form a part of this offer notwithstanding that not all parts thereof are necessarily attached to or accompany this Proposal.
9. Addenda The Bidder certifies that the following addenda have been received and agrees that they shall be deemed to form a part of the Contract:
- | | | | |
|-----|-------|-------|-------|
| No. | _____ | Dated | _____ |
| | _____ | | _____ |
| | _____ | | _____ |
10. Time This offer shall be open for acceptance, binding and irrevocable for a period of ninety (90) Calendar Days following the Submission Deadline.
11. Signatures The Bidder or the Bidder's authorized official or officials have signed this _____ day of _____, 20_____.

Signature of Bidder or
Bidder's Authorized Official or Officials

(Print here name and official capacity of individual whose signature appears above)

(Print here name and official capacity of individual whose signature appears above)

FORM B: PRICES
(See B9)

PROVISION OF SOFTWARE AND SERVICES FOR A CITY-WIDE DATA SHARING SOLUTION

UNIT PRICES

| ITEM NO. | DESCRIPTION | QUANTITY | UNIT PRICE | AMOUNT |
|--------------------------------------|---|----------|------------|--------|
| ONE-TIME IMPLEMENTATION COSTS | | | | |
| 1. | Software supplied by Bidder | | | |
| | | | | |
| 2. | Labour – development and customization | | | |
| | | | | |
| 3. | Labour – implementation and knowledge transfer | | | |
| | | | | |
| 4. | Other one-time costs | | | |
| | | | | |
| 5. | Total implementation costs payable to Bidder (1-4): | | | |
| 6. | Software required for the proposed solution, but not supplied by Bidder (costs to be determined independently by the City) | | | |
| | | | | |
| 7. | Total implementation costs incurred by the City (subtotal of 5-6) | | | |
| ONGOING COSTS (PER YEAR) | | | | |
| 8. | Software licenses, maintenance, and support supplied by Bidder | | | |
| | | | | |
| 9. | Software licenses, maintenance, and support required for the proposed solution, but not supplied by Bidder (costs to be determined independently by the City) | | | |
| | | | | |
| 10. | Total ongoing cost per year incurred by the City (subtotal of 8-9) | | | |

Name of Bidder

FORM N: BIDDER QUALIFICATIONS

1. Name of organization
Click here to enter text.
2. Overview and history of organization
Click here to enter text.
3. Strategic plan and industry outlook for firm
Click here to enter text.
4. Subsidiary offering solution, if any
Click here to enter text.
5. Total employees in organization
Click here to enter text.
6. Project team to be assigned to Project
Click here to enter text.
7. List and briefly describe any threatened, pending or past legal proceeding and judgment or any contingent liabilities in which the Bidder is a party.
Click here to enter text.
8. Has the Bidder failed to complete any contract or has any contract been terminated? If so, provide explanation.
Click here to enter text.
9. Does Respondent have one customer that accounts for more than 50% of gross sales?
Click here to enter text.

FORM P: PROPOSAL DETAILS

BUSINESS NUMBER PROJECT REQUIREMENTS SATISFACTION

Items in this section should be completed in the following manner. The Bidder shall read the requirement listed in the shaded box, which refers back to one of the specifications in E2.2. Below the shaded box, in the field marked "Click here to enter text," the Bidder shall indicate, in any fashion appropriate to the Bidder's Proposal, how the Proposal satisfies the requirement. This should include:

- what feature(s) of the proposed solution(s) satisfy the requirement;
- how the City would make use of the feature(s) to satisfy the requirement in operational use;
- what customizations or configurations would be required to satisfy the requirement;
- what user interface(s), if applicable, are present to allow the user control of the feature(s);
- what limitations, in any, are present in the feature(s).

Once this is complete, the Bidder must place an "X" in the checkbox marked "This functionality is included in the Proposal for the implementation price specified in Form B" if the functionality specified is included in the Proposal for the implementation price specified in Form B. If this checkbox is not marked for any mandatory requirement (one using the word "will") the Proposal may be considered non-compliant.

1. Demonstrate how the solution proposed satisfies requirement E2.2.2:

The Hub will provide a repository for the persistent storage of master data entities. These data entities, along with metadata relevant to the operation of the Hub, will be stored in a relational database.

Click here to enter text.

- This functionality is included in the Proposal for the implementation price specified in Form B.

2. Demonstrate how the solution proposed satisfies requirement E2.2.3:

The Hub will expose its data and functionality to other systems through the means of Software Services. At a minimum the services will be exposed through web services over HTTP. These web services will implement standard design patterns such as SOAP or REST, and will be secured using standard methods such as SSL or TLS.

Click here to enter text.

- This functionality is included in the Proposal for the implementation price specified in Form B.

3. Demonstrate how the solution proposed satisfies requirement E2.2.4:

The Hub should provide the ability to expose its data and functionality through other types of Software Services. For example, asynchronous messaging (such as the Java Message Service), or extract, transform and load services.

Click here to enter text.

- This functionality is included in the Proposal for the implementation price specified in Form B.

4. Demonstrate how the solution proposed satisfies requirement E2.2.5(a), dealing with the software services to be provided by the Hub:

“Get” services that allow systems to retrieve individual data entities or groups of data entities from the Hub. Get services will allow for time and / or version parameters to be specified so that data appropriate to the time period being queried would be returned.

Click here to enter text.

- This functionality is included in the Proposal for the implementation price specified in Form B.

5. Demonstrate how the solution proposed satisfies requirement E2.2.5(b), dealing with the software services to be provided by the Hub:

“Add” services that allow systems to add new instances of data entities to the Hub. Add services will potentially result in data governance workflows allowing data confirmation to take place by data stewards. In addition Add services will also potentially initiate identity management procedures that allow for potential duplicates to be identified. In such cases the appropriate workflow will be initiated to deal with duplicate data.

Click here to enter text.

- This functionality is included in the Proposal for the implementation price specified in Form B.

6. Demonstrate how the solution proposed satisfies requirement E2.2.5(c), dealing with the software services to be provided by the Hub:

“Update” services that allow systems to modify data entities in the Hub. Update services will potentially result in data governance workflows allowing data confirmation to take place by data stewards. In addition, Update services will also potentially initiate conflict management workflows that allow for updates that conflict with updates made by other systems or by central data stewards to be identified. In such cases the appropriate workflow will be initiated to deal with conflicts. Update services will allow for time and / or version parameters to be specified so that data appropriate to the time period being specified will be modified.

Click here to enter text.

- This functionality is included in the Proposal for the implementation price specified in Form B.

7. Demonstrate how the solution proposed satisfies requirement E2.2.5(d), dealing with the software services to be provided by the Hub:

“Search” services that allow systems to find the unique identifiers of individual data entities or groups of data entities matching criteria supplied by the search request. Search services will allow for time and / or version parameters to be specified so that data appropriate to the time period being queried would be returned.

Click here to enter text.

- This functionality is included in the Proposal for the implementation price specified in Form B.

8. Demonstrate how the solution proposed satisfies requirement E2.2.6(a), dealing with the Master Data Management features to be provided by the Hub:

Identity Management. The Hub will provide facilities for the specification of the methods by which the uniqueness of master data entities may be established, allowing for these methods to differ depending on the type of entity in question. Identity management will enable duplicate and possible duplicate detection by determining if two entities share the same uniquely identifying characteristics. Identity management will be used operationally, but also during the data cleansing and aggregation process that will be initiated prior to operational use.

[Click here to enter text.](#)

- This functionality is included in the Proposal for the implementation price specified in Form B.

9. Demonstrate how the solution proposed satisfies requirement E2.2.6(b), dealing with the Master Data Management features to be provided by the Hub:

Effective Date / Versioning functionality. Master data will have effective dates attached to it such that the Hub will have a full record of the changes in state of an entity and its attributes over time. When data is accessed, the Hub will retrieve the appropriate data (potentially constituting multiple "snapshots" of the data) for the period of time being specified by the data access request. Preference will be given to a solution that provides a means of visually exploring the history of a master data entity or multiple entities.

[Click here to enter text.](#)

- This functionality is included in the Proposal for the implementation price specified in Form B.

10. Demonstrate how the solution proposed satisfies requirement E2.2.6(c), dealing with the Master Data Management features to be provided by the Hub:

Candidate Management Functionality. Subject to governance rules established in the Hub, some data updates will be stored as candidate updates, which are not reflected in the master data until the candidate changes have been reviewed by data stewards. The appropriate user interface and workflow will be provided that will allow the data stewards to manage pending changes, and either accept, amend, or reject those changes. Notification mechanisms will also be present so that the party or system submitting the original change can discover the status of submitted candidate changes.

[Click here to enter text.](#)

- This functionality is included in the Proposal for the implementation price specified in Form B.

11. Demonstrate how the solution proposed satisfies requirement E2.2.6(d)(i), dealing with the specific Conflict Management features to be provided by the Hub:

Merge. The submitting party will have the opportunity to merge changes with the conflicting change, selecting which elements of the conflicting change to incorporate into the master data.

Click here to enter text.

- This functionality is included in the Proposal for the implementation price specified in Form B.

12. Demonstrate how the solution proposed satisfies requirement E2.2.6(d)(ii), dealing with the specific Conflict Management features to be provided by the Hub:

Override. The submitting party will have the ability to indicate that the change that is being submitted supersedes the conflicting change and constitutes an accurate representation of the master data.

Click here to enter text.

- This functionality is included in the Proposal for the implementation price specified in Form B.

13. Demonstrate how the solution proposed satisfies requirement E2.2.6(d)(iii), dealing with the specific Conflict Management features to be provided by the Hub:

Accept. The submitting party will have the ability to indicate that the conflicting change supersedes the change being submitted and constitutes an accurate representation of the master data. This will allow the submitting system to update any local information with the master data if necessary.

Click here to enter text.

- This functionality is included in the Proposal for the implementation price specified in Form B.

14. Demonstrate how the solution proposed satisfies requirement E2.2.6(d)(iv), dealing with the specific Conflict Management features to be provided by the Hub:

Send to Candidate Management. If the submitting party is not sure how to resolve the conflict, he or she (or the system, if this is an automated process) will be able to mark the conflict as a candidate change, which will initiate a workflow as described in (c).

Click here to enter text.

- This functionality is included in the Proposal for the implementation price specified in Form B.

15. Demonstrate how the solution proposed satisfies requirement E2.2.6(e), dealing with the Master Data Management features to be provided by the Hub:

Audit. The Hub will create and retain a comprehensive record of all accesses of and changes to master data. This will include when the access or change was made, the system of origin, the user of origin, and what attributes were accessed or changed. The Hub will include a user interface to allow data stewards to explore the access and change history of a master data entity. The Hub will allow for entities to be rolled back to a previous state based on the change history. The Hub will also provide reporting features that leverage the audit trail, so that summary information about accesses of and changes to the Hub's master data can be provided to coordinators of the system.

[Click here to enter text.](#)

- This functionality is included in the Proposal for the implementation price specified in Form B.

16. Demonstrate how the solution proposed satisfies requirement E2.2.6(f), dealing with the Master Data Management features to be provided by the Hub:

Correlation Identifiers. The Hub will be able to store multiple correlation identifiers against any master data entity. These identifiers are references to unique identifiers in client systems that supply data to the Hub and consume data from the Hub. This allows client systems to reference master data by their own unique identifiers.

[Click here to enter text.](#)

- This functionality is included in the Proposal for the implementation price specified in Form B.

17. Demonstrate how the solution proposed satisfies requirement E2.2.6(g), dealing with the Master Data Management features to be provided by the Hub:

Change Notification. The Hub will provide some facility to allow client systems to be notified of changes in data in which they have an interest registered. For example, such a change notification system could be implemented through syndication-style web services, or broadcast messaging. Some client systems may require business processes to be initiated when certain master data is changed. Change notification functions will allow client systems to promptly initiate those business processes.

[Click here to enter text.](#)

- This functionality is included in the Proposal for the implementation price specified in Form B.

18. Demonstrate how the solution proposed satisfies requirement E2.2.7:

The Hub should provide data modelling functions to allow master data entities' structure to be modelled as necessary. These data modelling functions should be accessible by non-technical staff to facilitate their involvement in the modelling of the data.

[Click here to enter text.](#)

- This functionality is included in the Proposal for the implementation price specified in Form B.

19. Demonstrate how the solution proposed satisfies requirement E2.2.8:

The Hub should provide transformation services to allow master data formats to be translated in real time to and from other defined formats. These other formats may be industry-standard formats, or they may be custom-designed formats. Formats may be specified when submitting data to the Hub, or may be specified when extracting data from the Hub.

[Click here to enter text.](#)

- This functionality is included in the Proposal for the implementation price specified in Form B.

20. Demonstrate how the solution proposed satisfies requirement E2.2.9(a), dealing with the governance functionality to be provided by the Hub:

A repository and a user interface for the specification of rights of access and modification for master data entities at a user and group level. The Hub will provide the facilities to establish, view, and maintain the rights definitions, and will enforce the definitions any time an attempt is made to extract or modify master data. Provision will be made to establish rights definitions at a level more granular than that of entity type. The Hub will have the ability to establish access and modification rights definitions at the individual entity instance level and at the individual entity attribute level.

[Click here to enter text.](#)

- This functionality is included in the Proposal for the implementation price specified in Form B.

21. Demonstrate how the solution proposed satisfies requirement E2.2.9(b), dealing with the governance functionality to be provided by the Hub:

The specification of data quality standards. The Hub will provide the facilities to establish, view, and maintain data quality standards, and will enforce the standards any time an attempt is made to modify master data.

[Click here to enter text.](#)

- This functionality is included in the Proposal for the implementation price specified in Form B.

22. Demonstrate how the solution proposed satisfies requirement E2.2.9(c), dealing with the governance functionality to be provided by the Hub:

The specification of responsibilities for data stewards. The Hub will provide the facilities to establish, view, and maintain assignments of responsibility for sets of master data to individual users or groups. The responsibilities will be used in the data governance workflows provided by the Hub.

[Click here to enter text.](#)

- This functionality is included in the Proposal for the implementation price specified in Form B.

23. Demonstrate how the solution proposed satisfies requirement E2.2.9(d), dealing with the governance functionality to be provided by the Hub:

The specification of data governance workflows. The Hub will provide a user interface to be used by data stewards to perform the following functions as determined by their roles and responsibilities:

- *Review of changes.*
- *Management of candidate changes.*
- *Notification of interested parties.*

[Click here to enter text.](#)

- This functionality is included in the Proposal for the implementation price specified in Form B.

24. Demonstrate how the solution proposed satisfies requirement E2.2.10(a), dealing with the third-party integration functionality to be provided by the Hub:

Software Services exposed by the Hub will be able to delegate to the Software Services provided by other, third-party systems, forwarding the results of those third-party services as the results of their own services.

[Click here to enter text.](#)

- This functionality is included in the Proposal for the implementation price specified in Form B.

25. Demonstrate how the solution proposed satisfies requirement E2.2.10(b), dealing with the third-party integration functionality to be provided by the Hub:

The Hub will be able to extract data from other sources at scheduled or specifically specified times and supplement its own master data from a third-party source. The third-party source may be accessed via direct database access, or through the invocation of some third-party Software Service.

[Click here to enter text.](#)

- This functionality is included in the Proposal for the implementation price specified in Form B.

26. Demonstrate how the solution proposed satisfies requirement E2.2.11:

The Hub will provide security against unauthorized access, eavesdropping, and other forms of attack. The authentication mechanism will integrate with the City's existing Active Directory implementation. Security will be enforced at all points of entry to the system's data, including the Software Services exposed, the user interface provided, and the Hub's database. All inbound and outbound communications to and from the Hub will be encrypted at industry standard levels.

[Click here to enter text.](#)

- This functionality is included in the Proposal for the implementation price specified in Form B.

27. Demonstrate how the solution proposed satisfies requirement E2.2.12:

The Hub will provide a high level of availability (uptime) such that it can be considered dependable for the City's 24/7 operations. The Hub will be scalable, such that it will be amenable to the City increasing performance, availability and failure tolerance as needed through replication and increased computing resource allocation.

[Click here to enter text.](#)

- This functionality is included in the Proposal for the implementation price specified in Form B.

28. Demonstrate how the solution proposed satisfies requirement E2.2.13(a), dealing with the integration of the Hub with Manitoba Business Links:

The Hub will integrate with the MBL hub via the SOAP web services API being offered by MBL to the City as a partner in the Manitoba Business Links program.

[Click here to enter text.](#)

- This functionality is included in the Proposal for the implementation price specified in Form B.

29. Demonstrate how the solution proposed satisfies requirement E2.2.13(b), dealing with the integration of the Hub with Manitoba Business Links:

The Hub will integrate data available from the MBL hub with the master data stored in the City's Hub. Given the current state of the API being provided by MBL, this will be accomplished by querying the MBL hub for changed or added business data, and then applying the new or changed information to the data stored in the City's Hub, subject to governance rules established by data stewards.

[Click here to enter text.](#)

- This functionality is included in the Proposal for the implementation price specified in Form B.

30. Demonstrate how the solution proposed satisfies requirement E2.2.13(c), dealing with the integration of the Hub with Manitoba Business Links:

When a new business is added to the City's Hub, the Hub will send a message to the MBL hub to request the creation of a BIN-15 to be used to refer to the business in its dealings with the City. The BIN-15, which will be returned from the MBL hub, will then be applied to the newly created business in the City's Hub.

[Click here to enter text.](#)

- This functionality is included in the Proposal for the implementation price specified in Form B.

31. Demonstrate how the solution proposed satisfies requirement E2.2.13(d), dealing with the integration of the Hub with Manitoba Business Links:

When a change has been made to a business's data in the City's Hub, the Hub will send a message to the MBL hub to inform Manitoba Business Links of the change.

Click here to enter text.

- This functionality is included in the Proposal for the implementation price specified in Form B.

FUTURE CONSIDERATIONS SATISFACTION

Items in this section should be completed in the following manner. The Bidder shall read the requirement listed in the shaded box, which refers back to one of the specifications in E2.3. Below the shaded box, in the field marked "Click here to enter text," the Bidder shall indicate, in any fashion appropriate to the Bidder's Proposal, how the Proposal either satisfies the requirement in its proposed form, or how the proposed solution(s) may be upgraded to support the requirement. This should include:

- what feature(s) of the proposed solution(s) satisfy the requirement;
- how the City would make use of the feature(s) to satisfy the requirement in operational use;
- what customizations or configurations would be required to satisfy the requirement;
- what user interface(s), if applicable, are present to allow the user control of the feature(s);
- what limitations, in any, are present in the feature(s).

If the Proposal does not satisfy the requirement in its proposed form, but may be upgraded to support it in the future, the Bidder shall indicate how the proposed solution(s) may be upgraded to support the requirement. This should include:

- what features, versions, add-on packs, or similar must be purchased to satisfy the requirement;
- what one-time and ongoing costs would be incurred by the City in order to satisfy the requirement.

The costs specified in this section will not be added to the implementation costs of the Proposal for the purposes of evaluation. The costs specified in this section will be used to evaluate the overall appropriateness of the Proposal in satisfying the City's long term goals as specified in E1.2.

32. Demonstrate how the solution proposed satisfies requirement E2.3.2:

Any proposal submitted by the Bidder must not limit the implementation of Master Data Management to the data related to businesses outlined in this document. Whether by means of pluggable modules or by means of direct configurability, the Hub must be able to manage data in a number of different domains. At a minimum, this must include the data identified in the Data Sharing Initiative's Findings and Recommendations as Master Data, as follows:

Click here to enter text.

33. Demonstrate how the solution proposed satisfies requirement E2.3.3(a), dealing with the geospatial capabilities to be supported by the Hub:

The ability of the Hub to store geospatial data such as coordinate points and polygons.

Click here to enter text.

34. Demonstrate how the solution proposed satisfies requirement E2.3.3(b), dealing with the geospatial capabilities to be supported by the Hub:

The ability of the Hub to convert coordinates from one projection to another projection. For example, the Hub must be able to translate between Universal Transverse Mercator (UTM) coordinates and latitude / longitude coordinates.

[Click here to enter text.](#)

35. Demonstrate how the solution proposed satisfies requirement E2.3.3(c), dealing with the geospatial capabilities to be supported by the Hub:

The ability of the Hub to query data via spatial parameters. For example, the Hub will be required to retrieve all instances of a data entity whose location falls within a specified coordinate region. Such queries must be efficiently spatially indexed.

[Click here to enter text.](#)

36. Demonstrate how the solution proposed satisfies requirement E2.3.3 (d), dealing with the geospatial capabilities to be supported by the Hub:

The ability of the Hub to input and output data in industry-standard geospatial formats. At a minimum, this must include the Open Geospatial Consortium's Geography Markup Language (GML) and Web Feature Service (WFS).

[Click here to enter text.](#)

MANAGEMENT SUMMARY

37. Resourcing Summary. List all resources to be assigned to the Project here, and for each resource assigned to the Project, provide a completed Form U.

[Click here to enter text.](#)

38. Indicate any resourcing expectations the Bidder has of the City, beyond those outlined in E1.3.7. Any City resources required for coordination, knowledge transfer, training, testing, infrastructure deployment, or other purposes should be detailed here:

[Click here to enter text.](#)

39. Project manager assigned to the Project, including credentials and relevant experience

[Click here to enter text.](#)

40. Project management methodology to be used

[Click here to enter text.](#)

41. Work breakdown of the work identified for the Project. If desired, this can be provided in the form of an attached document in Microsoft Project format or similar format.

[Click here to enter text.](#)

42. Timeline for the Project. If desired, this can be provided in the form of an attached Gantt Chart, or in the form of an attached document in Microsoft Project format or similar format.

[Click here to enter text.](#)

43. Milestones for the Project. If desired, this can be provided in the form of an attached document in Microsoft Project format or similar format.

[Click here to enter text.](#)

44. Resource assignments for the Project. This should relate the resources listed in 37 to the tasks identified in 41, indicating time frames for assignments where applicable. If desired, this can be provided in the form of an attached document in Microsoft Project format or similar format.

[Click here to enter text.](#)

45. Training and knowledge transfer activities to be undertaken by the Bidder such that any software deployed as part of the Proposal can be maintained by City staff on an ongoing basis

[Click here to enter text.](#)

SOFTWARE SOLUTIONS SUMMARY

46. List all software components that are proposed to become a part of the City's operational information systems environment in order to implement the Proposal. For each component, include a completed form of the appropriate type. For Commercial Off-The-Shelf (COTS) solutions, include a completed Form V. For Open Source Software (OSS) solutions, include a completed Form W. For custom developed or internally developed solutions, include a completed Form X.

[Click here to enter text.](#)

FORM U: RESOURCE DETAILS

1. Name

[Click here to enter text.](#)

2. Qualifications

[Click here to enter text.](#)

3. Experience

[Click here to enter text.](#)

4. Duration of engagement

[Click here to enter text.](#)

5. Cost per unit time

[Click here to enter text.](#)

FORM V: COMMERCIAL OFF-THE-SHELF SOLUTION SUMMARY

1. Name

[Click here to enter text.](#)

2. Developer

[Click here to enter text.](#)

3. History

[Click here to enter text.](#)

4. Examples of organizations where this solution is deployed

[Click here to enter text.](#)

5. Version number and release date of release of product being proposed

[Click here to enter text.](#)

6. Details of next release of product being proposed, including planned changes, planned release date, and planned upgrade price, if known

[Click here to enter text.](#)

7. If the Proposal calls for an internal deployment model (that is, the software solution will be deployed on infrastructure managed by the City, located in the City's facilities), complete the following (a, b, c, and d) and proceed ahead to 10.

a. Hardware environment requirements

[Click here to enter text.](#)

b. System software environment requirements

[Click here to enter text.](#)

c. Middleware environment requirements

[Click here to enter text.](#)

d. Potential for solution to be deployed to third-party infrastructure in the future

[Click here to enter text.](#)

8. If the Proposal calls for a Software As A Service (SAAS) deployment model (that is, the software solution will be managed by the Bidder and deployed on the Bidder's infrastructure), complete the following (a, b, c, and d) and proceed ahead to 10.

[Click here to enter text.](#)

a. Pricing and licensing model

[Click here to enter text.](#)

b. Description of Bidder's infrastructure

[Click here to enter text.](#)

c. Access restrictions and limitations

[Click here to enter text.](#)

d. Networking requirements for access (such as Virtual Private Networks)

[Click here to enter text.](#)

9. If the Proposal calls for a hosted or cloud-based deployment model (that is, the software solution will be managed by the City, but deployed on third-party infrastructure services), complete the following (a, b, c, d, and e) and proceed ahead to 10.

[Click here to enter text.](#)

- a. Pricing model

[Click here to enter text.](#)

- b. Description of infrastructure

[Click here to enter text.](#)

- c. Access restrictions and limitations

[Click here to enter text.](#)

- d. Networking requirements for access (such as Virtual Private Networks)

[Click here to enter text.](#)

- e. Potential for solution to be deployed internally in the future

[Click here to enter text.](#)

10. Required license(s) and details of licensing model(s)

[Click here to enter text.](#)

11. Upgrade entitlements granted with license(s)

[Click here to enter text.](#)

12. Can the Bidder supply the solution to the City? If yes, provide a detailed outline of the acquisition and licensing cost. The Bidder shall include this cost as a line item under 1. Software supplied by Bidder in Form B: Prices. If no, provide the detailed specifications for the required software that the City will need to acquire from authorized sources. The cost will be determined independently by the City, and added to the total costs specified by the Bidder for purposes of evaluation.

[Click here to enter text.](#)

13. Required configurations of the software product to satisfy the requirements of the Project

[Click here to enter text.](#)

14. Required code customizations required to satisfy the requirements of the Project

[Click here to enter text.](#)

FORM W: OPEN SOURCE SOFTWARE SOLUTION SUMMARY

1. Name

[Click here to enter text.](#)

2. History

[Click here to enter text.](#)

3. Development community (specify URL)

[Click here to enter text.](#)

4. Community activity level (for example, number of active contributors, number of commits to codebase over past year)

[Click here to enter text.](#)

5. Corporate sponsorship or involvement, if any

[Click here to enter text.](#)

6. Examples of organizations where this solution is deployed

[Click here to enter text.](#)

7. Companies offering support for the product

[Click here to enter text.](#)

8. Version number and release date of release of product being proposed

[Click here to enter text.](#)

9. Details of next release of product being proposed, including planned changes, and planned release date, if known

[Click here to enter text.](#)

10. If the Proposal calls for an internal deployment model (that is, the software solution will be deployed on infrastructure managed by the City, located in the City's facilities), complete the following (a, b, c, and d) and proceed ahead to 12.

a. Hardware environment requirements

[Click here to enter text.](#)

b. System software environment requirements

[Click here to enter text.](#)

c. Middleware environment requirements

[Click here to enter text.](#)

d. Potential for solution to be deployed to third-party infrastructure in the future

[Click here to enter text.](#)

11. If the Proposal calls for a hosted or cloud-based deployment model (that is, the software solution will be managed by the City, but deployed on third-party infrastructure services), complete the following (a, b, c, d, and e) and proceed ahead to 12

- a. Pricing model
Click here to enter text.
 - b. Description of infrastructure
Click here to enter text.
 - c. Access restrictions and limitations
Click here to enter text.
 - d. Networking requirements for access (such as Virtual Private Networks)
Click here to enter text.
 - e. Potential for solution to be deployed internally in the future
Click here to enter text.
12. Required configurations of the software product to satisfy the requirements of the Project
Click here to enter text.
13. Required code customizations required to satisfy the requirements of the Project
Click here to enter text.

FORM X: CUSTOM DEVELOPMENT / INTERNALLY DEVELOPED PRODUCT SOLUTION SUMMARY

1. Overview and description of proposed solution

[Click here to enter text.](#)

2. If the solution is an existing product developed by the Bidder, complete the following (a, b, c, d, e, and f). If not, proceed to 3

a. History of product

[Click here to enter text.](#)

b. Examples of organizations where this solution is deployed

[Click here to enter text.](#)

c. Version number and release date of release of product being proposed

[Click here to enter text.](#)

d. Details of next release of product being proposed, including planned changes, planned release date, and planned upgrade price, if known

[Click here to enter text.](#)

e. Required configurations of the product to satisfy the requirements of the Project

[Click here to enter text.](#)

f. Required code customizations required to satisfy the requirements of the Project

[Click here to enter text.](#)

3. Source code ownership policy. Is there a provision for the City to retain source code for future modification or customization?

[Click here to enter text.](#)

4. Maintenance agreement details

[Click here to enter text.](#)

5. Development environment and toolset used to develop product

[Click here to enter text.](#)

6. If the Proposal calls for an internal deployment model (that is, the software solution will be deployed on infrastructure managed by the City, located in the City's facilities), complete the following (a, b, c, and d).

[Click here to enter text.](#)

a. Hardware environment requirements

[Click here to enter text.](#)

b. System software environment requirements

[Click here to enter text.](#)

c. Middleware environment requirements

[Click here to enter text.](#)

d. Potential for solution to be deployed to third-party infrastructure in the future

[Click here to enter text.](#)

7. If the Proposal calls for a Software As A Service (SAAS) deployment model (that is, the software solution will be managed by the Bidder and deployed on the Bidder's infrastructure), complete the following (a, b, c, and d).

a. Pricing and licensing model

[Click here to enter text.](#)

b. Description of Bidder's infrastructure

[Click here to enter text.](#)

c. Access restrictions and limitations

[Click here to enter text.](#)

d. Networking requirements for access (such as Virtual Private Networks)

[Click here to enter text.](#)

8. If the Proposal calls for a hosted or cloud-based deployment model (that is, the software solution will be managed by the City, but deployed on third-party infrastructure services), complete the following (a, b, c, d, and e).

a. Pricing model

[Click here to enter text.](#)

b. Description of infrastructure

[Click here to enter text.](#)

c. Access restrictions and limitations

[Click here to enter text.](#)

d. Networking requirements for access (such as Virtual Private Networks)

[Click here to enter text.](#)

e. Potential for solution to be deployed internally in the future

[Click here to enter text.](#)