

| | | |
|-------------------------------------|-----------------------------------|---------|
| NTTA Projects | Original Issue Date: 06/05/2008 | SP-01 |
| Resource: NTTA System Planning | Revision 0 Issue Date: 06/05/2008 | 4 pages |
| Title: NTTA System Planning Process | | |

1.0 PURPOSE:

The purpose of this procedure is to define the process utilized by Project Delivery to support the NTTA Project Evaluation department in system planning efforts for potential future corridor development.

2.0 GUIDING PRINCIPLE:

The Project Delivery department shall support all NTTA system planning efforts by contributing technical resources for financial pro forma analysis and the MV process determination and complying with the procedure herein.

3.0 RESPONSIBILITIES:

- 3.1 Assistant Executive Director (AED) of Project Evaluation – The AED shall be responsible for negotiating with TxDOT during the MV process.
- 3.2 Assistant Executive Director (AED) of Project Delivery – The AED shall be responsible for reviewing and approving the schedules and cost estimates prior to release to Project Evaluation.
- 3.3 PD Transportation Planner – The transportation planner shall be responsible for coordinating all data collection, running the viability analysis, interaction and communication with NCTCOG, and coordinating the system-wide financial pro forma.
- 3.4 Consultant Staff – The various consultants (i.e. – WSA, PMO, RBC, etc.) shall be responsible for supplying the PD transportation planner with the required data inputs necessary to run the viability analysis and the system-wide financial pro forma.

4.0 SCOPE/APPLICABILITY:

This procedure shall apply to all NTTA projects and corridors.

5.0 REFERENCES:

- NCTCOG 2030 Metropolitan Transportation Plan (MTP): <http://www.nctcog.org/trans/mtp/2030/>

6.0 DEFINITIONS & ACRONYMS

7.0 PROCEDURES:

- 7.1 **List of Priced Facilities** – Using the MTP, a list of regional priced facilities shall be developed. The transportation planner shall assist NTTA executive staff in identifying priced facilities that facilitate connectivity for the expanding NTTA system or for the outlying areas of the region where the demographics support toll road construction.

| | | |
|-------------------------------------|-----------------------------------|---------|
| NTTA Projects | Original Issue Date: 06/05/2008 | SP-01 |
| Resource: NTTA System Planning | Revision 0 Issue Date: 06/05/2008 | 4 pages |
| Title: NTTA System Planning Process | | |

- 7.2 **Viability Analysis** – The transportation planner shall perform a viability analysis on all the corridors listed using the NTTA Viability Analysis Tool. The tool uses over 300 data inputs to calculate an output (i.e. – score) for each corridor. The output allows for a prioritization of corridors and a cursory identification of mitigating factors within each corridor. The transportation planner shall collect all data required to run the analysis from the various consultants, site visits, and website investigations.
- 7.3 The transportation planner shall also retrieve, as appropriate, results from other analyses, such as: sketch level traffic and revenue study (WSA); Level F cost estimate (PMO); sketch level financial analysis (RBC); operations and maintenance cost estimate (PMO); as well as a cursory environmental analysis to determine required documentation and identify significant mitigating factors to support the viability analysis.
- 7.4 **Estimated Delivery Schedule** – The transportation planner shall develop a rough delivery schedule from the results of the viability analysis. This delivery schedule provides each corridor an estimated open to traffic date.
- 7.5 **PD Review and Approval** - The AED of PD shall review and approve all project schedules and cost estimates prior to entry into the pro forma.
- 7.6 **System-Wide Financial Pro Forma** – The transportation planner shall enter the estimated open to traffic dates and cost estimates into the pro forma to provide management with a picture of the NTTA financial structure for the next 50 years adjusting for multiple scenarios of project implementation. The scenarios vary based on open to traffic dates, so that NTTA's decision-making process includes financial constraints, commitment thresholds, and construction materials availability at less than peak prices.
- 7.7 **Market Valuation (MV)** – The MV process shall be conducted by the AED of Project Evaluation and staff. This team shall use all the above referenced information to negotiate with TxDOT during the MV process. The PMO shall provide all project capital and O&M costs for the MV inputs.

8.0 REGULATORY REQUIREMENTS:

- Texas Legislation SB 792

9.0 RELATED BOARD POLICY:

N/A

10.0 COMPONENT DOCUMENTS:

- [SP-01-A1](#) SB 792 Interpretation by LLS

| | | |
|-------------------------------------|-----------------------------------|---------|
| NTTA Projects | Original Issue Date: 06/05/2008 | SP-01 |
| Resource: NTTA System Planning | Revision 0 Issue Date: 06/05/2008 | 4 pages |
| Title: NTTA System Planning Process | | |

11.0 REVISION HISTORY:

| Revision | Revised by: | Date Issued | Reason for Revision |
|----------|-----------------|-------------|---------------------|
| 0 | Sabine Schleigh | 06/05/2008 | Original Issue |

| | | |
|-------------------------------------|-----------------------------------|---------|
| NTTA Projects | Original Issue Date: 06/05/2008 | SP-01 |
| Resource: NTTA System Planning | Revision 0 Issue Date: 06/05/2008 | 4 pages |
| Title: NTTA System Planning Process | | |

12.0 FLOWCHART: MV Process Flowchart (Adjust zoom to enlarge flowchart)

