

North Tarrant Express (NTE) PROJECT Concession CDA

List of Software used by TxDOT

The engineering software used by TxDOT that is available to the Developer free of charge is contained at the following listed TxDOT web site. The list of software used by the TxDOT Fort Worth District, supplementing the website list, is as follows:

Available TxDOT software

Refer to the following TxDOT website:

http://www.dot.state.tx.us/services/technology_services/engineering_software.htm

General

- a) Microsoft Word 2003 (for word processing); and
- b) Microsoft Excel 2003 (for spreadsheet processing).
- c) Quark V6.0 or latest version
- d) Adobe Acrobat V7.0
- e) Microsoft PowerPoint 2003

Computer-Aided Drafting and Design (CADD)

- a) Bentley MicroStation. (Version 08.05.02.35)
- b) Bentley ProjectWise for drawing management.
- c) Axiom (Microsoft Office Importer for V8)

Electronic Document Management System (EDMS)

- a) FileNet is a pre-approved software package by the TXDOT.

Project Scheduling

- a) Primavera Project Planner V3.1 (by Primavera Systems)
- b) Primavera for Engineering and Construction P3ec V6.0

Environmental Document

- a) ESRI ArcMap 9.2 (ArcView and ArcINFO);
- b) 3D Analyst;
- c) Spatial Analyst;
- d) Bentley MicroStation J, V7 (Exhibits), V8.5 (Traffic Noise Analysis).
- e) TNM 2.5 (Traffic Noise Analysis)

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- f) MOBILE 6.2 (input and output files – Mobile Source Air Toxics (MSAT) Analysis);

Geotechnical Design

- a) COM-624;
- b) DRIVEN;
- c) WINCORE. V3.1
- d) GSTABL 7 V2.0
- e) Goldnail V3.11

Pavement Design

- a) DARWin (pavement design software) V3.1
- b) TSLAB86
- c) FPS 19W V1.1.36978
- d) Modulus V6.0
- e) TRAFFIC6

Roadway Geometrics

- a) Bentley GEOPAK (Version 08.05.02.37)

Drainage Design

- a) HEC-1;
- b) HEC-11;
- c) HEC-12;
- d) HEC-13;
- e) HEC-14,
- f) HEC-15;
- g) HEC-18;
- h) HEC-2/HEC-RAS (Version 3.1.3);
- i) WSPRO;
- j) GEOPAK Drainage (version 08.05.02.37);

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- k) HY-8;
- l) SCS TR-55; and
- m) THYSYS.
- n) HEC-HMS (version 2.1.3)

Structural Design

- a) B30 V5.2
- b) STLBRIDGE V4.2
- c) PCACOL V3.0
- d) STAAD V23W
- e) PGSuper V2.0.5

Traffic Signals Design

- a) Highway Capacity Software (by McTrans);
- b) PASSER II-90 (by McTrans);
- c) Traf Netsim (by McTrans);
- d) HCM/Cinema (signal capacity, cycle length, split timing, and LOS);
- e) TRANSYT-7F (signal coordination timing, incl. cycle length, phase sequence, and offsets); and
- f) CORSIM (complex signal coordination, queuing, and turn bay storage).

Illumination

- a) AGI32 Lighting Design Program from Lighting Analysts, Inc.

Advanced Traffic Management System (ATMS) Design

- a) MINUTP (by Comsis);
- b) FREQ;
- c) Integration.