DOIT OPTIONS PAPER

NAME: Connecticut Department of Transportation - ECMS	DATE: 05-29-09

ISSUE TO BE RESOLVED:	EVALUATION CRITERIA USED TO ASSESS THE PROBLEM:
Allowing CTDOT to proceed to the Design Phase assuming a Vendor Hosted Solution.	POC (DOT Hosted Solution) – Evaluation Form Attached.

RECOMMENDATION - OPTION NO> **(2 – Proceed to the Design Phase)**

OPTION 1	OPTION 2	OPTION 3
Description: **DOT/DOIT (web) Hosted ProjectWise Solution**	**Description:** **Bentley Hosted Solution*** *** Network Arch./Bandwidth Requirements TBD**	**Description:** **Bentley Hosted Solution – File Storage(caching) at DOT*** *** Network Arch./Bandwidth Requirements TBD**
Pro's: • Performance • Data is located at CTDOT	**Pro's:** • System hardware, application, back-up can be supported by the vendor. • Specialized and knowledgeable staffs are available to support the product. • Cost structure and budgeting can be planned easier for long term system maintenance • Versioning cycles more frequent • Project Schedules can be met with a Bentley System design and solution.	**Pro's:** • System hardware, application, back-up can be supported by the vendor. • Cost structure and budgeting can be planned easier for long term system maintenance • Versioning cycles more frequent • Since the vendor makes the software, they are the best to support the system. • Project Schedules can be met with a Bentley system design and solution. • Data is located at Bentley and CTDOT
Con's: • CTDOT IT does not have necessary resources to effectively support and maintain the system. • Desired versioning cycles not obtainable • Two dedicated IT Resources would be required to implement and maintain the system. They have not allocated to OIS (Approval has not been granted to hire) • Project Schedules would be impacted with a DOT System Design and Implementation. • Thick Client Software Distribution is still not	**Con's:** • Performance for dealing with larger files internally • Data is located at Bentley • Thick Client Software Distribution is still not automated at CTDOT • Bandwidth considerations between DOT and DOIT • Bentley uses MS SQL for database software, which could pose challenges with future desired system integration. CTDOT standard	**Con's:** • Performance for dealing with larger files internally • CTDOT IT would have to maintain an additional server. CTDOT IT may not have the necessary resources to effectively support and maintain the system. • Thick Client Software Distribution is still not automated at CTDOT • Bandwidth considerations between DOT and DOIT • Bentley uses MS SQL for database software, which could pose challenges with future desired system

automated at CTDOT	database platform is Oracle. • Security and Admin. Set-Up will not be turn-key transitioning from CTDOT's POC System to a Bentley Hosted Solution.	integration. CTDOT standard database platform is Oracle. • Security and Admin. Set-Up will not be turn-key transitioning from CTDOT's POC System to a Bentley Hosted Solution.
Cost & Benefit $ (if applicable): TBD	**Cost & Benefit $ (if applicable):** TBD	**Cost & Benefit $ (if applicable):** TBD