

Presentation To

HRTPO Board Meeting

Agenda Item #10



HRTPO Strategic Campaign and Vision Plan for Passenger Rail



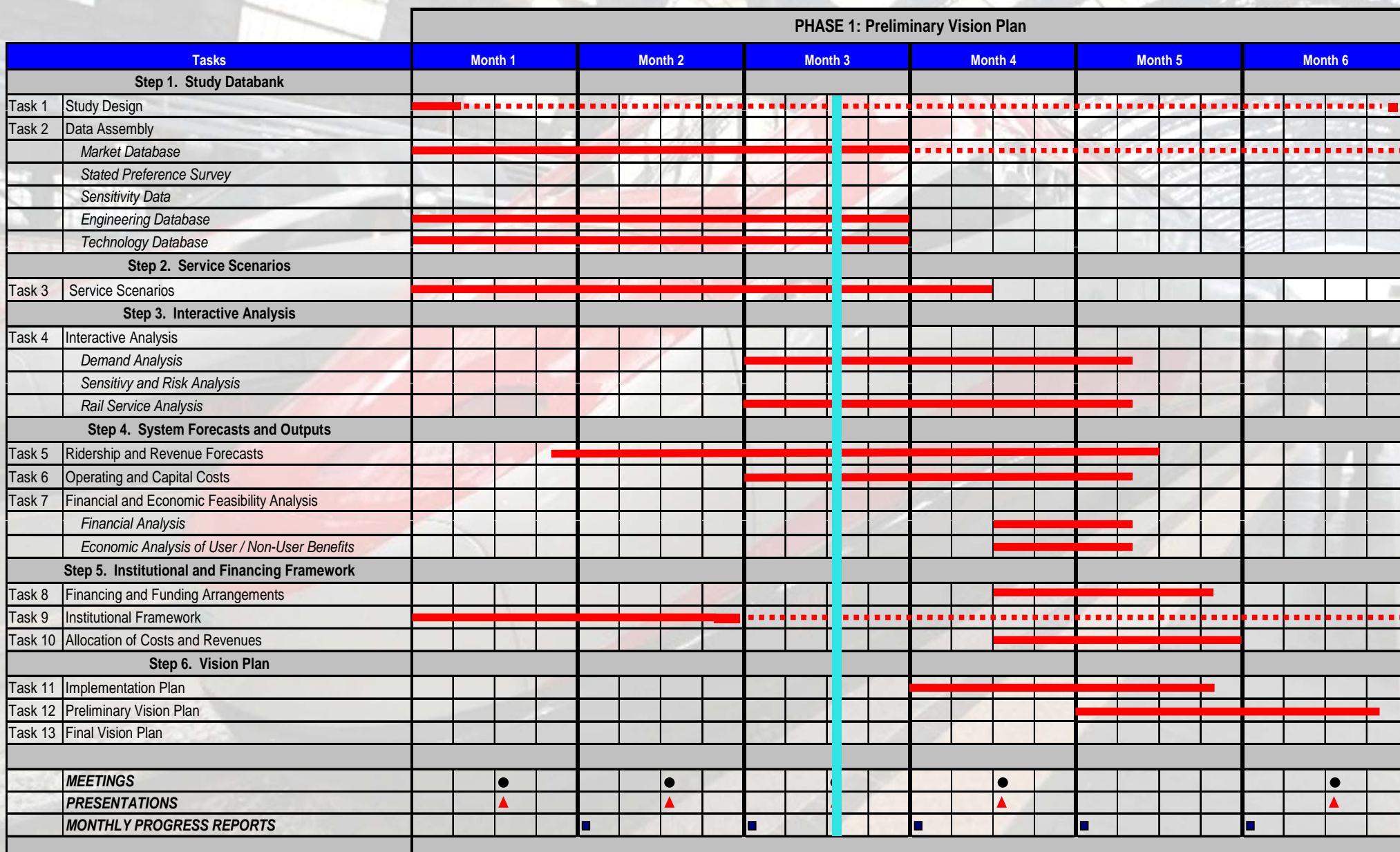
Presentation By

TEMS

Transportation Economics & Management Systems, Inc.

April 21, 2010

Study Timeline



The background of the slide is a photograph of a high-speed train, likely a Shinkansen, at a station platform. The train is white with a red stripe and is moving towards the right. The platform has a yellow safety line and several people are standing on it. The station has a large, arched glass and steel roof.

Task 1: Project Management

- **Continued development of project work plan**
- **Meeting with DRPT to agree project development steps**
- **Meeting with NS and CSX to discuss project development steps**



Task 2: Data Assembly

- **Database development is under way**
- **Market Database**
 - Finalize zone system
 - Review and update of DEIS O/D data
 - Development of Socioeconomic profiles for 2010-2040 including employment, income, and population
- **Operating Database**
 - Assessment of appropriate technology for each development step
 - Developing speed profiles for technology options – 79, 90, 110, 150-mph
- **Engineering Database**
 - Review of routes to provide an understanding of existing conditions

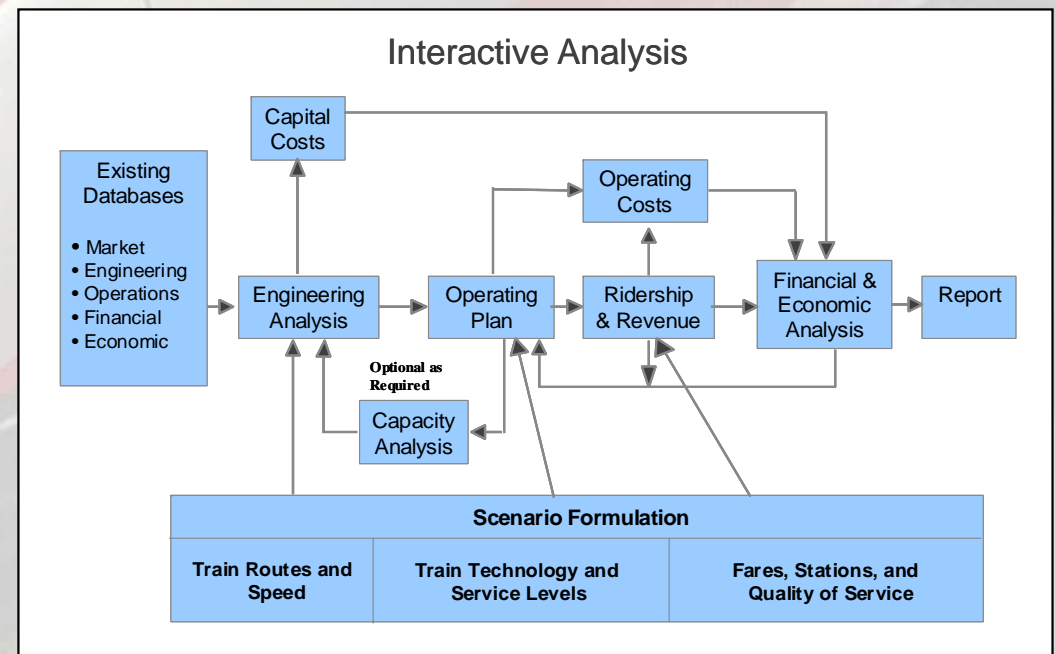
Task 3: Development Steps

- The potential Development Steps have been presented to DRPT, NS and CSX. Await comments from CSX.

Steps	Route	Max Speed	No. of Trains	Infrastructure	Station
Step 1	I-64/CSXT	79 mph	2	Shared Track Schedule Enhancement	Main Street Newport News (existing)
	Route 460/ Norfolk Southern	79 mph	1-3	Shared Track NS	Staples Mill Only Norfolk
Step 2 (DEIS Alt 1)	I-64/CSXT	79 mph	3	Shared Track	Main Street Newport News (existing)
	Route 460/ Norfolk Southern	79-90 mph	4-6	Shared Track V Line	Main Street Bowers Hill
Step 3	I-64/CSXT	90 mph	4-6	Shared Track	Main Street Newport News Downtown/Airport
	Route 460/ Norfolk Southern	110 mph	8-12	Dedicated Track V Line	Main Street Bowers Hill
Step 4	I-64/CSXT	110 mph	6-9	Dedicated Track	Main Street Newport News Downtown/Airport
	Route 460/ Norfolk Southern	150 mph	12-16	Dedicated Electric Track V Line	Main Street Bowers Hill

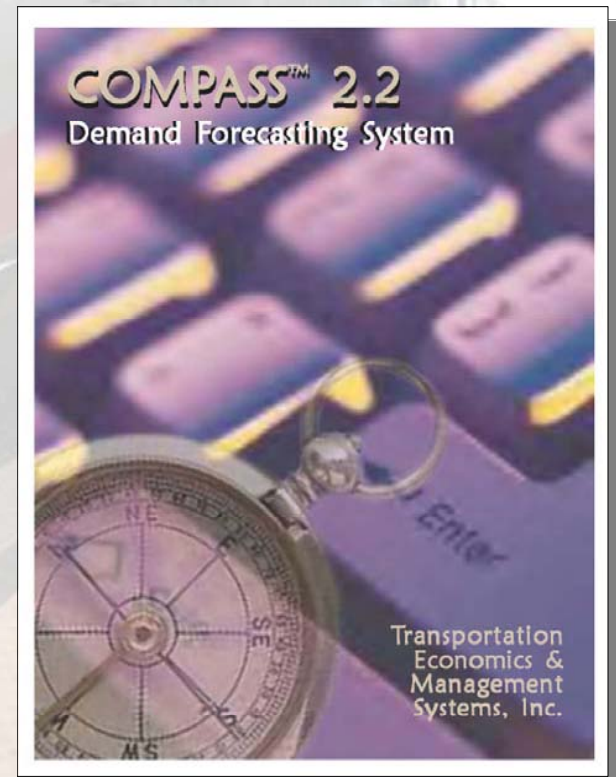
Task 4: Interactive Analysis

- This work is beginning and will be completed by the end of May.



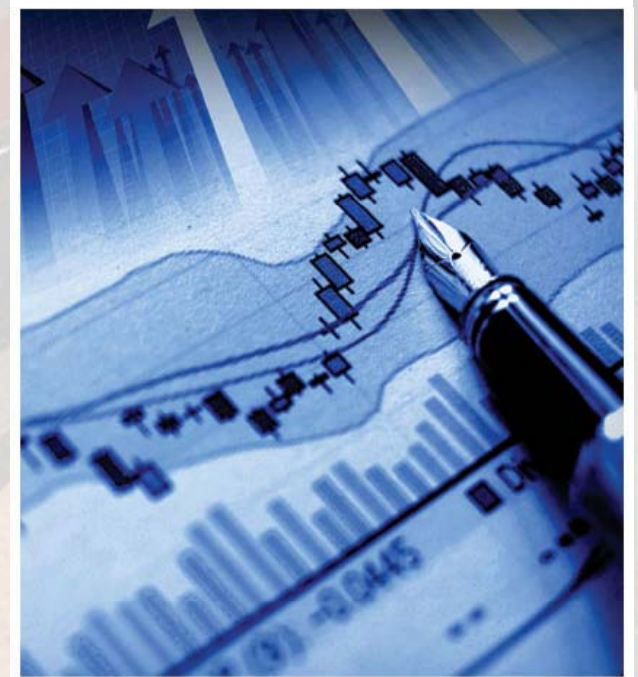
Task 5: Ridership and Revenue

- Work is beginning on the development of the Demand forecasting model.



Cost Analysis

- **Task 6: Operating Cost**
 - Work is beginning on developing 2010 unit costs
- **Task 7: Capital Cost**
 - Work is beginning on developing 2010 unit costs



Feasibility and Implementation

- Task 8 to 12 – Work has not yet begun on this task awaiting results of the Interactive Analysis



A photograph of a high-speed train, likely a Shinkansen, stopped at a station platform. The train is white with a prominent red stripe along its side and a red nose. The station has a large, arched glass and steel roof. Several people are standing on the platform to the right of the train. The text "Thank You" is overlaid in the center of the image.

Thank You