Public Information Meetings

NOTICE OF PUBLIC INFORMATION MEETINGS



You are invited to attend one of the following Public Information Meetings for the Danbury Branch Electrification Feasibility StubjR □ J E □ T

Dates, Times, and Places: Tues., September 30, 2003 5:30 to 8:30 PMEW MILEGRO

Ridgefield Community Center 316 Main Street OBER 28,

Ridgefield, CT 06877

Thurs., October 2, 2003 5:30 to 8:30 P.M. Norwalk Gity Hall, Community Room 529 Uset Avenue Norwalk, CT 06851



Each meeting will be an Open Mouse, and no formal presentation will take place, allowing you to come <u>anytime</u> between 5:30 and 8:30 P.M. Graphic boards presenting an overview of the study will be displayed for your review. Connecticut Department of Transportation (ConnDOT) and Washington Group representatives will be on hand to take your comments and answer your ouestions.

Persons unable to attend may provide comments to ConnDOT through Washington Group by mailt 30 Christian Lane, Newington, CT 06111, by tax: (860) 667-7002, or by e-mailt https://documents.org/lice/wyint.com. For more information, please call Steve Gazillo, Project Manager of Washington Group, at (860) 667-7622. Persons requiring assistive facilities should call by September 29th. You may also access information about the project from the study website at: https://www.danburybranchstudy.com.



CONNECTIGUT DEPARTMENT OF TRANSPORTATION
JAMES F, BYRNES, JR., COMMISSIONER OF TRANSPORTATION
JAMES A. ADAMS, DEPUTY COMMISSIONER OF TRANSPORTATION
http://www.ddt.state.ct.us

PROJECT
UPDATE FOR THE
NEW MILFORD
RAIL SERVICE
RESTORATION
SOCIETY
OCTOBER 28, 2003









- CONNECTICUT DEPARTMENT OF TRANSPORTATION
 - RESPONSIBLE FOR STUDY; DIRECTS THE FOLLOWING TEAM:
- WASHINGTON GROUP INTERNATIONAL (PRIME CONSULTANT)
 - SUBCONSULTANTS
 - GANNETT FLEMING TRANSIT & RAIL SYSTEMS
 - URBITRAN ASSOCIATES
 - MULTISYSTEMS
 - JAC PLANNING
 - PROJECT PLANNING AND ANALYSIS



STUDY PURPOSE & GOALS AND OBJECTIVES

- STUDY PURPOSE
 - EVALUATE A RANGE OF INFRASTRUCTURE AND SERVICE
 IMPROVEMENTS
 - DETERMINE POTENTIAL TO ENHANCE THE BRANCH'S ATTRACTION
 - ALTERNATIVE TO DRIVING ROUTE 7
 - ALTERNATIVE TO COMMUTING ON THE HARLEM LINE
- GOALS AND OBJECTIVES
 - INCREASE UTILITY OF THE BRANCH, ALLOWING FOR REDUCED TRAVEL TIME AND MORE FREQUENT SERVICE
 - EXPLORE FEASIBILITY OF PASSENGER SERVICE,
 DANBURY TO NEW MILFORD
 - HELP REDUCE AUTOMOBILE CONGESTION IN THE ROUTE 7 CORRIDOR AND OTHER ADJACENT NORTH/SOUTH CORRIDORS
 - IMPROVE ATTRACTIVENESS OF THE DANBURY BRANCH
 AS AN ALTERNATIVE TO THE HARLEM LINE IN NEW YORK
 STATE FOR CONNECTICUT RAIL COMMUTERS





- DATA COLLECTION, REVIEW, PUBLIC OUTREACH
- EVALUATION OF ENGINEERING ALTERNATIVES
- RIDERSHIP FORECASTING
- EVALUATE THE IMPACT OF ELECTRIFICATION
- FINAL REPORT



Danbury Branch Study - Phase I Project 302-008 - Work Schedule Revised Prepared by Washington Group - September 18, 2003

| | M = = 00 | A 00 | N4 00 | l 00 | 1.1.00 | A 00 | 0 00 | 0-1-00 | NI00 | D 00 | I 0.4 | F-1- 04 |
|--|----------|--------|--------|--------------------|--------|--------|-------------|--------|--------|--------|--------|----------|
| Task or Activity | Mar-03 | Apr-03 | May-03 | Jun-03 | Jul-03 | Aug-03 | Sep-03 | Oct-03 | Nov-03 | Dec-03 | Jan-04 | Feb-04 |
| Task 1 - Data Collection & Public Outreach Plan | | | | | | | | | | | | j |
| 1.0 Review Previous Studies, Reports, Plans | | | | | | | | | | | | |
| 1.1 Review Existing Rail Schedules/Service Patterns | | | | | | | | | | | | |
| 1.3 Review Freight Service Sched./Service Patterns | | | | | | | | | | | | |
| 1.4 Review Transit Interface | | | | | | | | | | | | ļ |
| 1.5 Review Existing Road Network | | | | | | | | | | | | ļ |
| 1.6 Review Existing Rail Ridership | | | | | | | | | | | | <u> </u> |
| 1.7 Public Outreach Plan | | | | | | | | | | | | <u> </u> |
| Advisory Committee Meetings | | | | \rightarrow | | | • | | • | • | | |
| Public Meetings | | | | | | | | | | | | |
| Purpose and Needs Report | | | | | | | - | | | | | <u> </u> |
| Study Web Page Placed on Line/Updated | | | | | | | | | | | | |
| | | | | placed onl | ne | ope | n to public | | | | | i I |
| Task 2 - Evaluation of Engineering Alternatives | | | | | | | | | | | | |
| 2.1 Review Branch Line Rights of Way Boundaries | | | | | | | | | | | | 1 |
| 2.2 Evaluate Track geometry Improvements | | | | | | | | | | | | 1 |
| 2.3 evaluate Feasibility of Double Tracking | | | | | | | | | | | | 1 |
| 2.4 Evaluate Feasibility of Pasing Sidings Alternative | | | | | | | | | | | | |
| 2.5 Evaluate Innovative Technologies | | | | | | | | | _ | | | |
| Prepare Draft Task 2 Report | | | | | | | | | | | | |
| Review and Comment Period | | | | | | | | | | | | |
| Prepare Final Task 2 Report | | | | | | | | | | | | |
| | | | | | | | | | | | | 1 |
| Task 3 - Ridership Forecasting | | | | | | | | | | | | |
| Interface with DOT Forecasting Unit | | | | | | | | | | | | |
| Ridership Forecast Model Runs by DOT | | | | | | | | | | - | | |
| , | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | |
| Task 4 - Evaluate the Impact of Electrification | | | | | | | | | | | | |
| Capital Cost Estimates | | | | | | | | | | | | |
| Effect of Electrification on Running Time | | | | | | | | | | | | |
| Prepare Draft Task 4 Report | | | | | | | | | | | | |
| Review and Comment | | | | | | | | | | | | |
| Prepare Final Task 4 Report | | | | | | | | | | | | |
| Tropale Final Taok Freport | | | | | | | | | | | | |
| | | | | | | | | | | | | <u> </u> |
| Task 5 - Phase I Final Report & Presentation | | | | | | | | | | | | |
| Prepare Phase I Final Report | | | | | | | | | | | | |
| Prepare Phase I Presentation | | | | | | | | | | | | |
| Presentations to Public | | | | | | | | | | | | |
| | | | | | | | | | | | | <u> </u> |

PROJECT MILESTONES

- TASK ONE DATA COLLECTION, PUBLIC OUTREACH PLAN (JUNE, 2003); PURPOSE AND NEEDS REPORT (SEPTEMBER, 2003)
- TASK TWO EVALUATION OF ENGINEERING ALTERNATIVES (JANUARY, 2004)
- TASK THREE RIDERSHIP FORECASTING (SPRING, 2004)
- TASK FOUR EVALUATION OF IMPACTS OF ELECTRIFICATION (FEBRUARY, 2004)
- TASK FIVE FINAL REPORT & PRESENTATION (SPRING, 2004)





- GOAL 1 ESTABLISH EFFECTIVE COMMUNICATION WITH THE PUBLIC
- GOAL 2 ENCOURAGE EARLY AND CONTINUING PUBLIC PARTICIPATION
- GOAL 3 PRESENT COMPLETE INFORMATION TO THE PUBLIC
- GOAL 4 DETERMINE PUBLIC SENTIMENT



HTTP://WWW.DANBURYBRANCHSTUDY.COM



HOME

STUDY INFORMATION

GET INVOLVED

STUDY DOCUMENTS

Welcome To Danbury Branch Electrification Feasibility Study Website

STUDY AREA

STUDY MEDIA RELATED

LINKS

Study News

August 28, 2003 Three upcoming meetings scheduled for ConnDOT's Danbury Branch Electrification Feasibility Study.

More Info











Welcome

To the Danbury Branch Electrification Feasibility Study Website. The Connecticut Department of Transportation (ConnDOT) launched this Study in March 2003 to evaluate the feasibility of electrification of the Danbury Branch and other possible alternatives to improve service on the Branch. This website provides important information about the development of this study, as well as the opportunity for the public to get involved. ConnDOT is committed to a collaborative planning process with the public and considers the public's input to be important and crucial to its decision-making.

Learn About the Study

Use the links above to access information regarding the Study. You can learn about the history of the Study, an overview of the Study, the schedule and upcoming meetings. You may also browse official Study Documents.

Get Involved

Click on Get Involved to learn about public participation components. On this link you can contact the Study Team, join the Study Mailing List and find out about our outreach meetings and planned activities. Your questions and comments are very important to us and we look forward to hearing from you. We encourage you to visit the site often to share your thoughts, stay informed and learn about this important Study.

Stay Informed

This website is part of the Public Participation Plan being conducted for the Study and is being facilitated by the ConnDOT. This web site was launched on August 22, 2003, and is updated regularly, so come back often to stay informed!

Website is being developed for Connecticut Department of Transportation by Washington Group International, Inc., Newington, Connecticut.







PUBLIC MEETINGS

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Location for the control of the cont

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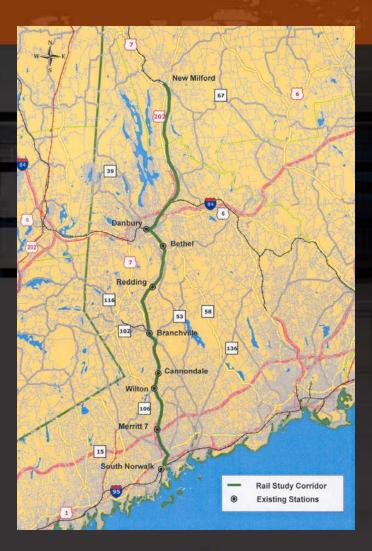
HTTP://www.dot.state.ct.us





DANBURY TO NEW MILFORD

EXTENSION OF PASSENGER
SERVICE







- STUDY OF THIS SECTION RESULTING FROM
 TRANSPORTATION STRATEGY BOARD PRIORITY
- STUDY OF THIS SECTION FOLLOWS COMPLETION OF BRANCH LINE REVIEW IN TASK 2
- INVOLVES THOROUGH ON-SITE INVESTIGATION
- * WILL INVOLVE DISCUSSIONS BETWEEN HOUSATONIC RAILROAD, CONNDOT, METRO-NORTH, HVCEO, STUDY TEAM AND LOCAL REPRESENTATIVES



DANBURY TO NEW MILFORD SECTION

- MAYBROOK LINE (DANBURY TO BERKSHIRE JUNCTION) 2.9
 MILES
- BERKSHIRE LINE (BERKSHIRE JUNCTION TO NEW MILFORD) 1 1.5 MILES
- 9 GRADE CROSSINGS
- 7 OVERHEAD BRIDGES
- 3 SIDINGS (NEW MILFORD STATION, KIMBERLY-CLARK, BERKSHIRE JUNCTION)
- ROW OWNED BY HOUSATONIC RAILROAD CO.



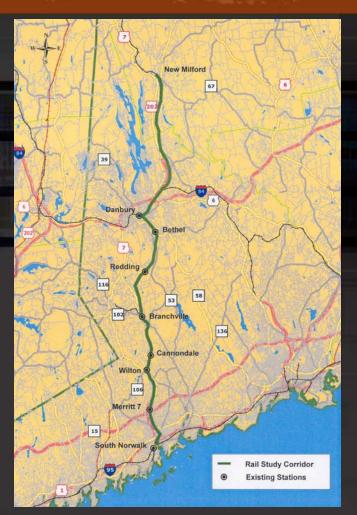
DANBURY TO NEW MILFORD ISSUES IMPLEMENTING PASSENGER SERVICE ON EXISTING FREIGHT LINES

- COMPENSATION
- LIABILITY INSURANCE
- GRADE CROSSING SAFETY
- SIGNALING AND TRAIN CONTROL REQUIREMENTS
- RIGHT-OF-WAY CAPACITY CONSTRAINTS
- MAINTAINING INTEGRITY OF FREIGHT SERVICE
- TRACK UPGRADE REQUIREMENTS
- FREIGHT CLEARANCES (ELECTRIFICATION)

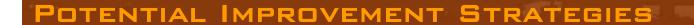


OVERVIEW OF ENGINEERING TASK 2

POTENTIAL IMPROVEMENT
STRATEGIES



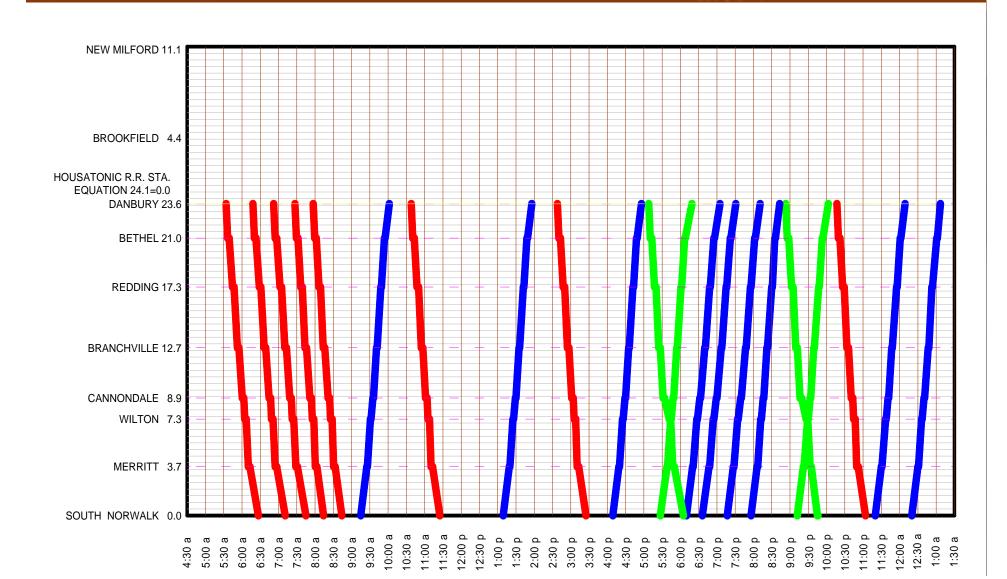


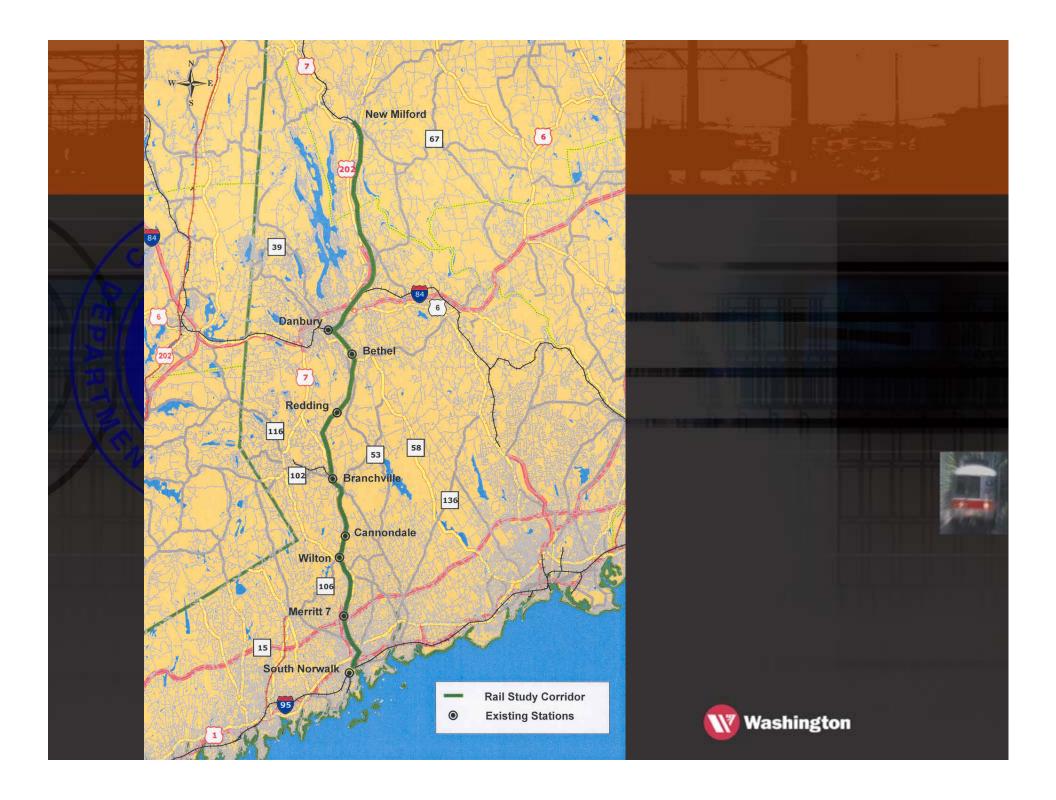


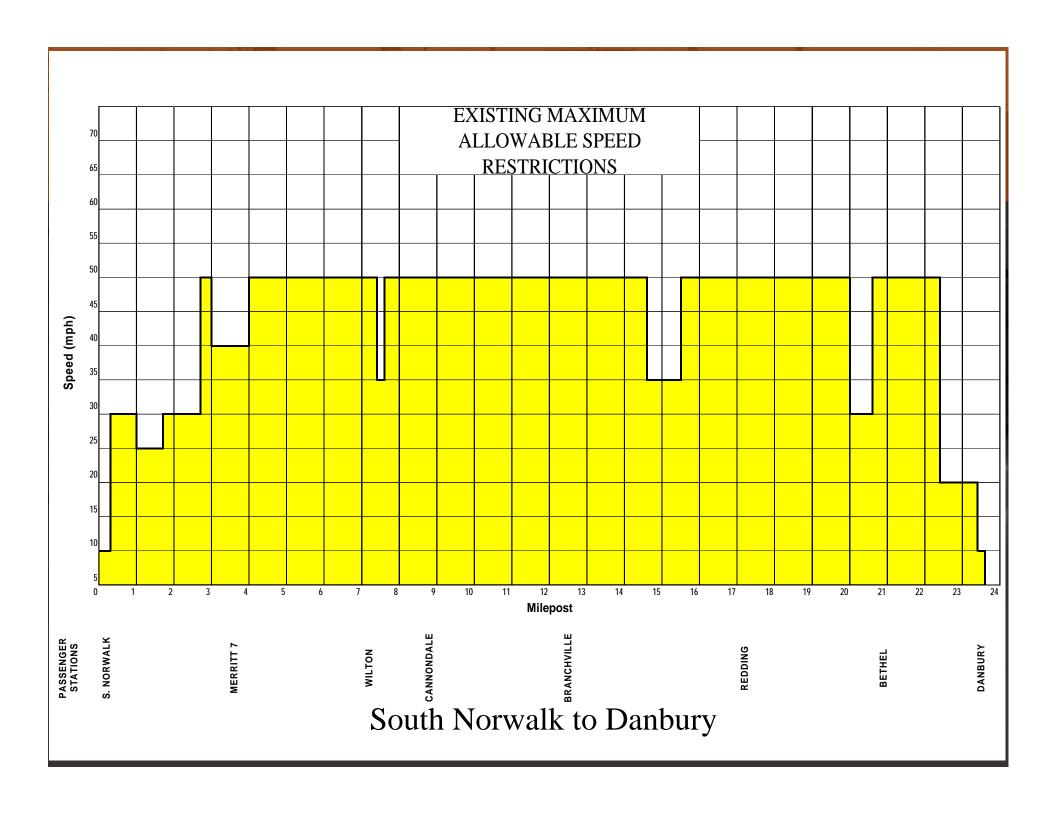
- TRACK GEOMETRY IMPROVEMENTS CURVATURE, GRADES, SUPER
 ELEVATIONS, CLEARANCES, GRADE CROSSINGS
- POTENTIAL FOR DOUBLE TRACKING
- FEASIBILITY OF PASSING SIDINGS
- ELECTRIFICATION
- APPLICATION OF INNOVATIVE TECHNOLOGIES

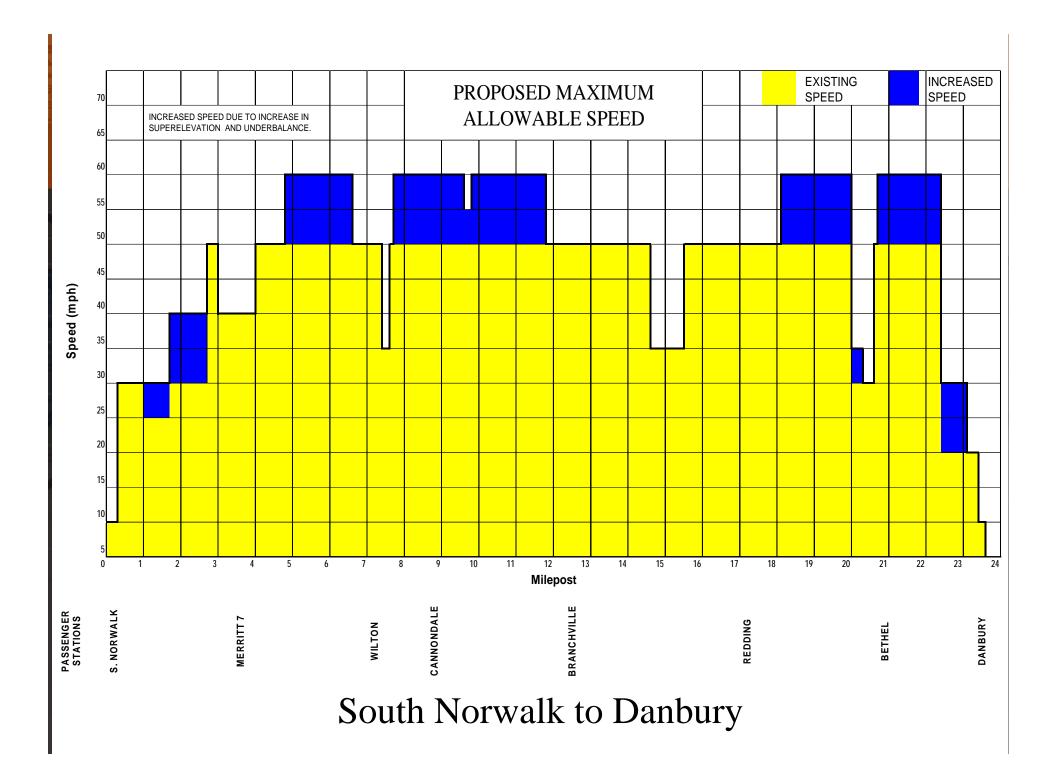


DANBURY BRANCH CURRENT MNR WEEKDAY SCHEDULE SOUTH NORWALK TO DANBURY

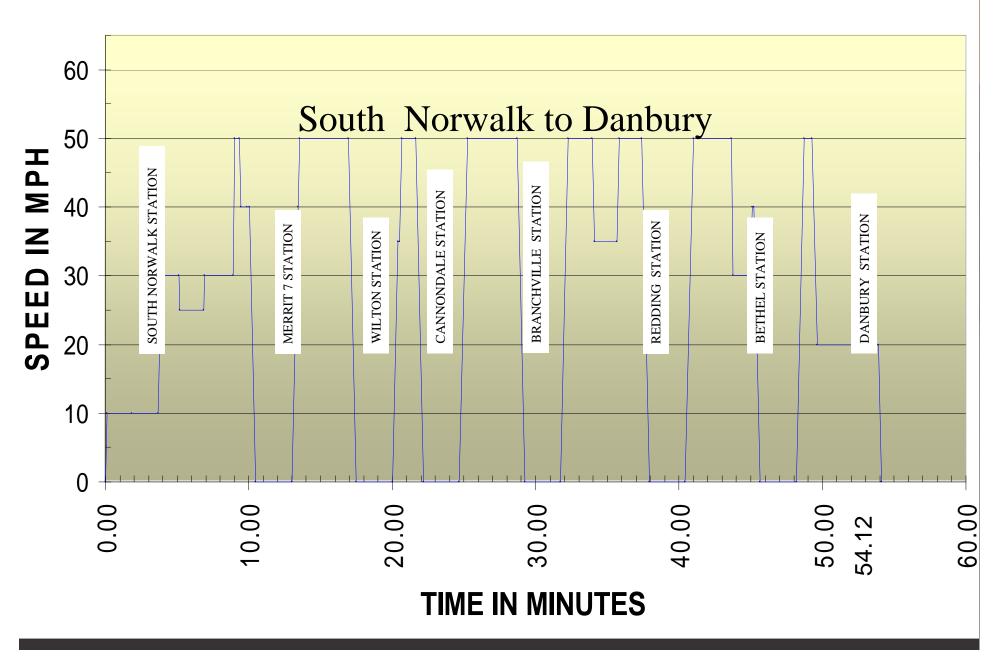




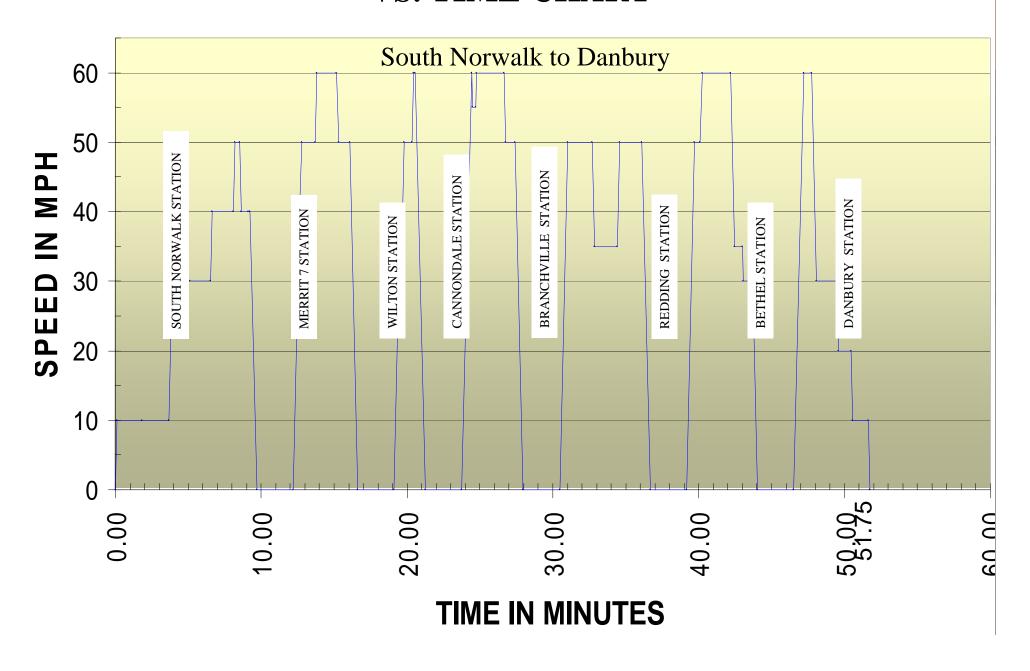




EXISTING SPEED VS. TIME CHART

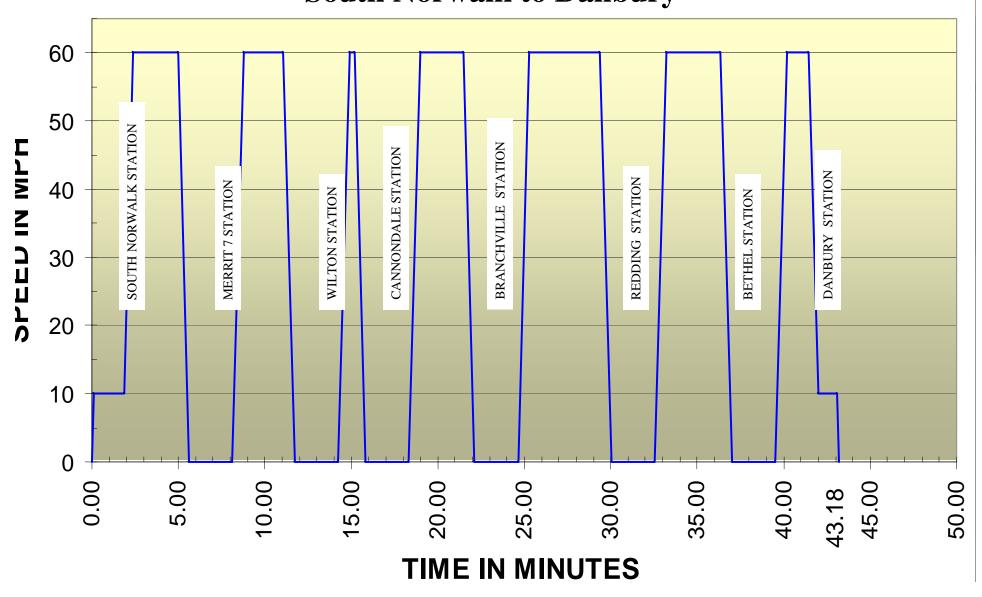


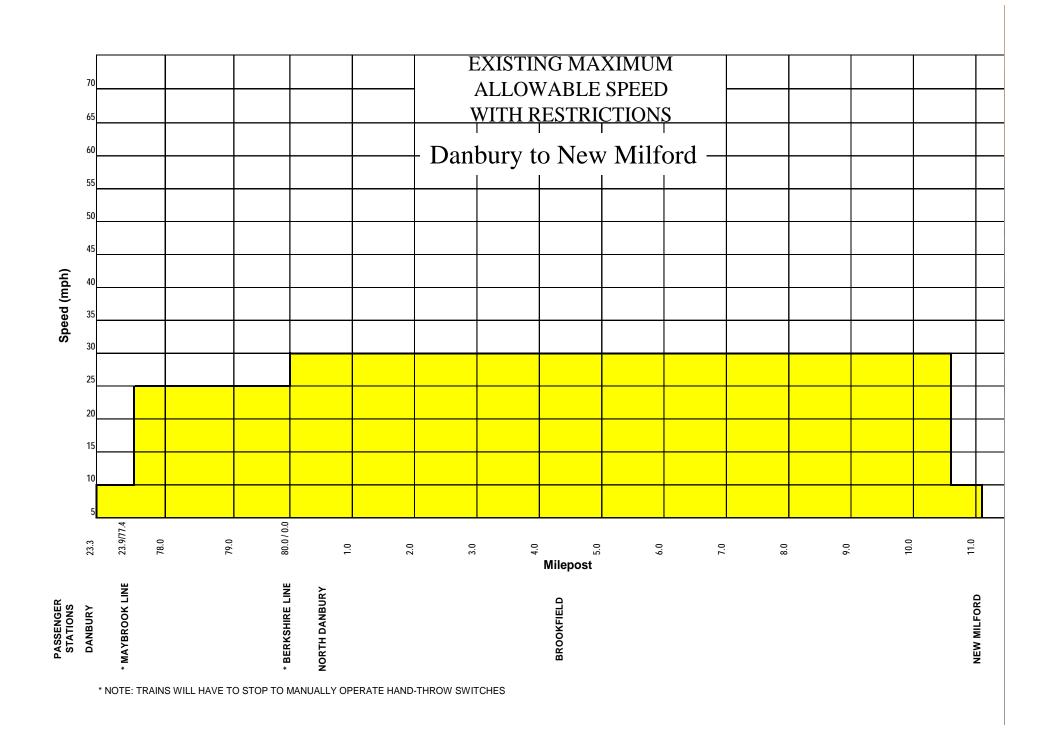
INCREASED SPEED VS. TIME CHART



UNRESTRICTED SPEED VS. TIME CHART

South Norwalk to Danbury





ESTIMATED RUN TIMES VERSUS SPEED SOUTH NORWALK TO DANBURY

CURRENT SCHEDULE

• INBOUND: 47 MINUTES

• OUTBOUND: 47 – 54 MINUTES

BASELINE

- 50 MPH MAXIMUM ALLOWABLE SPEED WITH SPEED RESTRICTIONS
- 45.78 MINUTES

INCREASED SUPERELEVATION

- 60 MPH MAXIMUM ALLOWABLE SPEED WITH SPEED RESTRICTIONS
- 42.75 MINUTES

UN-RESTRICTED TIME

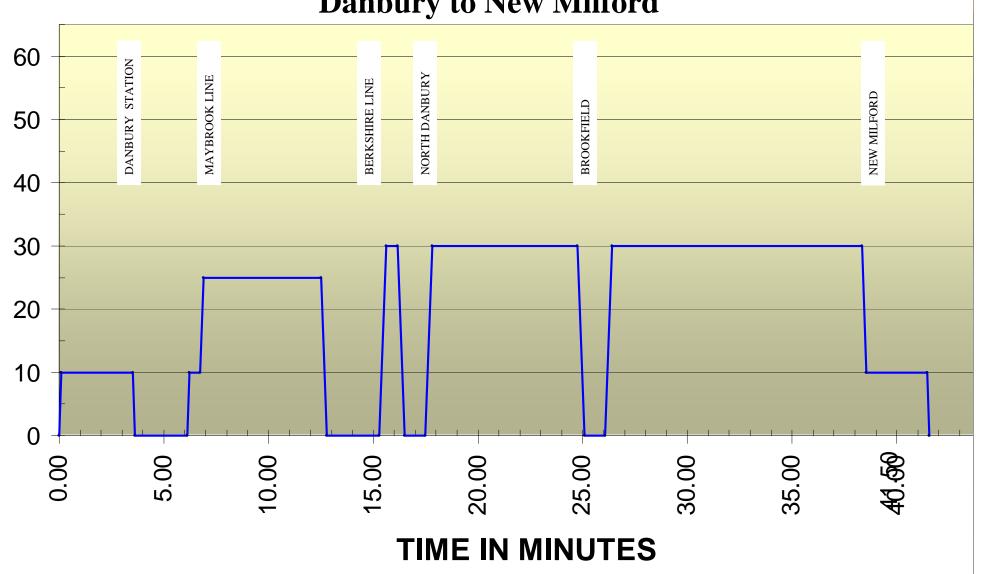
- 60 MPH MAXIMUM ALLOWABLE SPEED WITH SPEED RESTRICTIONS
- 34.18 MINUTES
- RIGHT-OF-WAY ACQUISITION REQUIRED

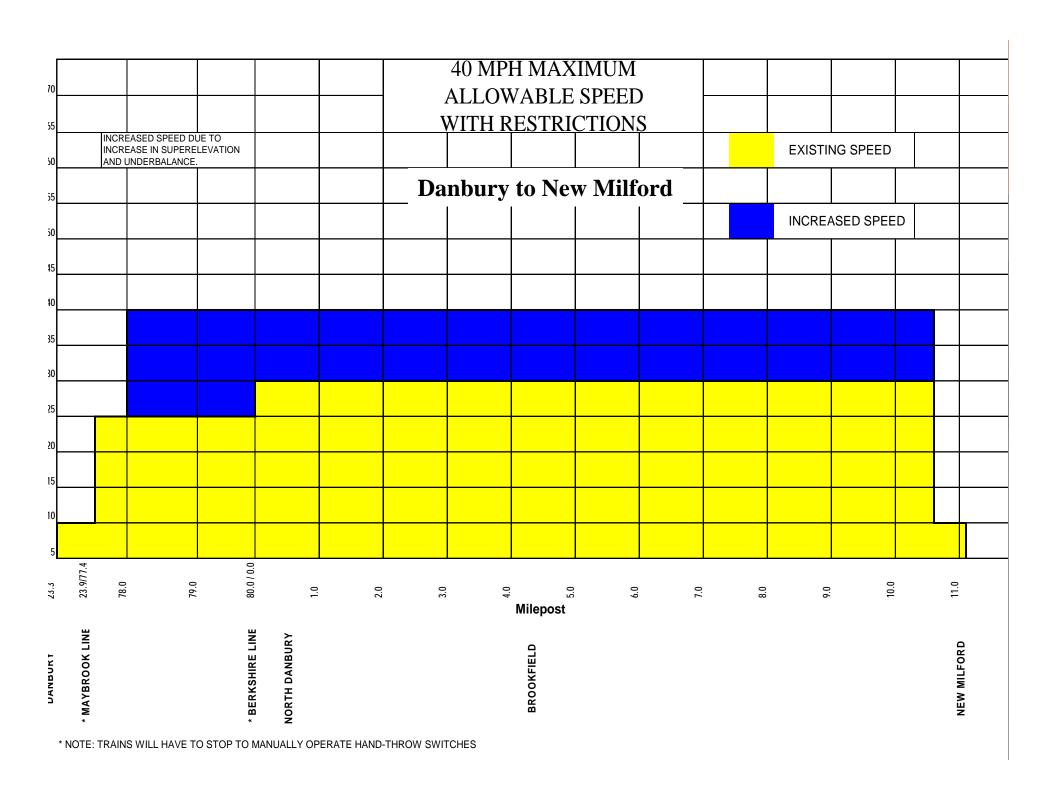
DWELL TIMES @ STATIONS - 60 SECONDS



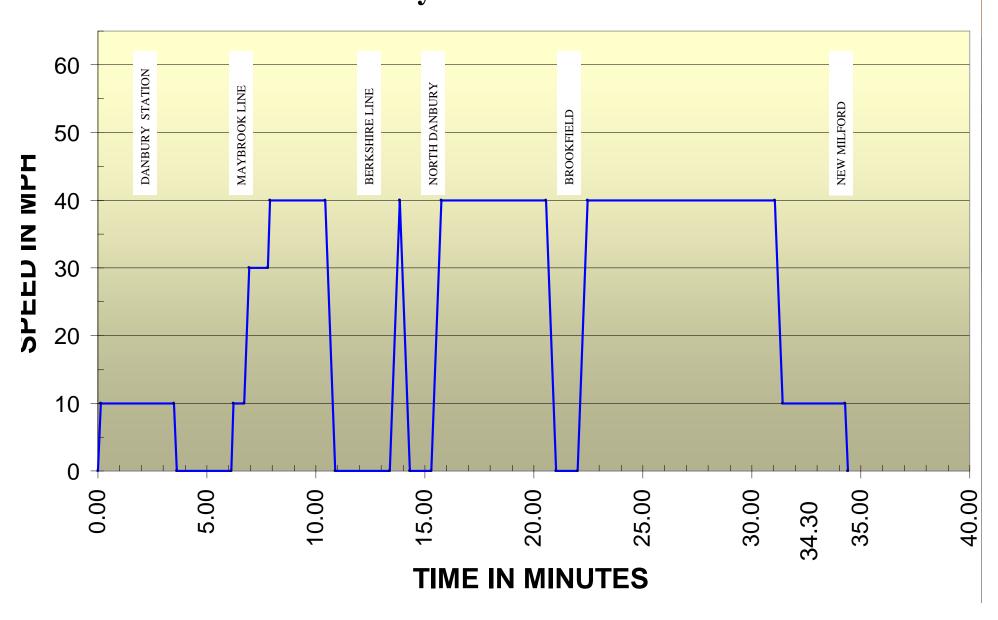
EXISTING SPEED VS. TIME CHART

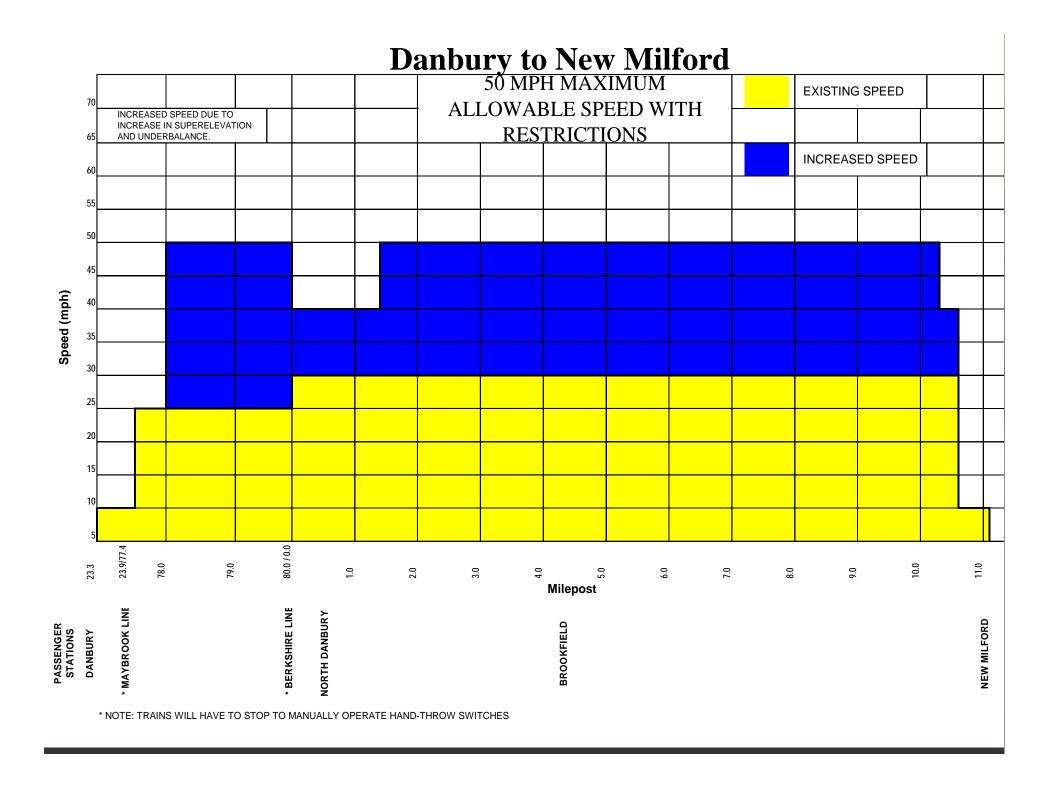
Danbury to New Milford





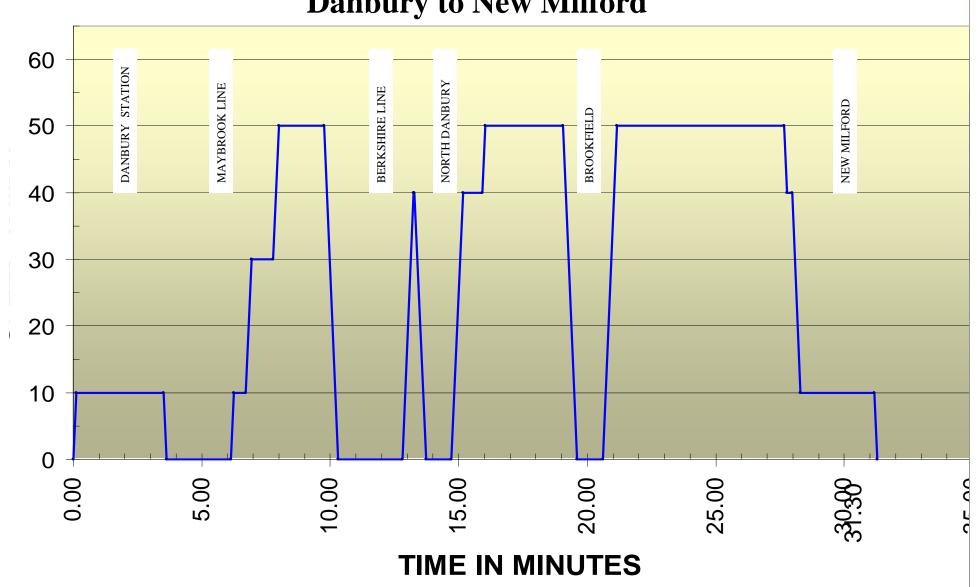
INCREASE MAS TO 40 MPH VS. TIME CHART Danbury to New Milford

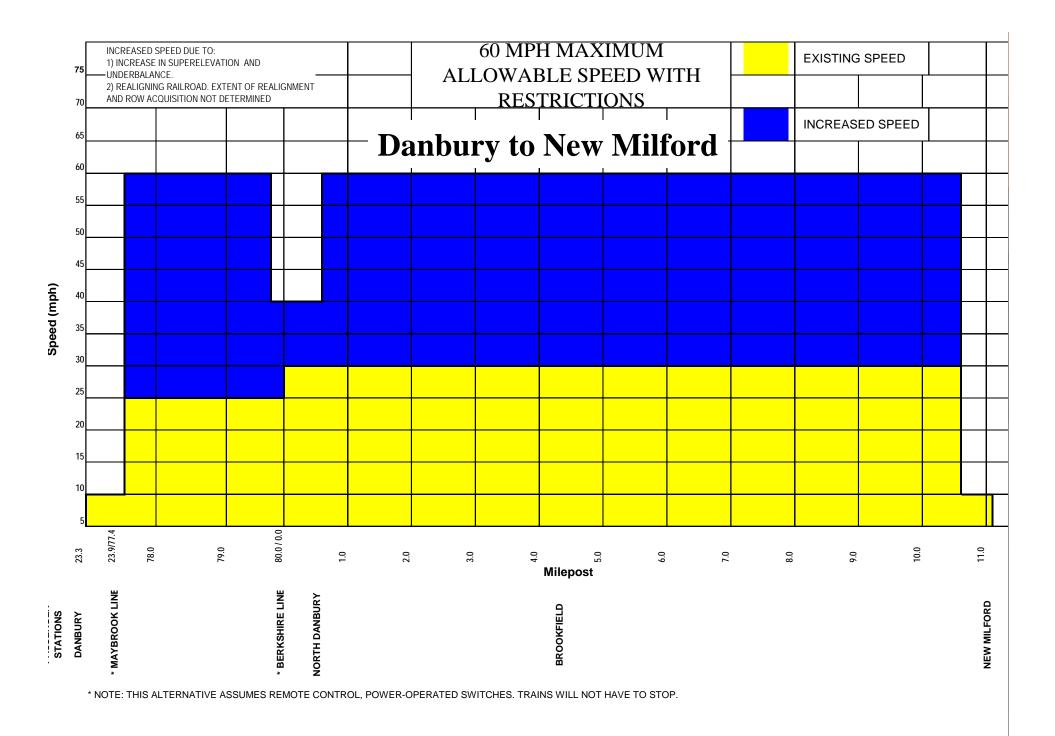




INCREASE MAS TO 50 MPH VS. TIME CHART

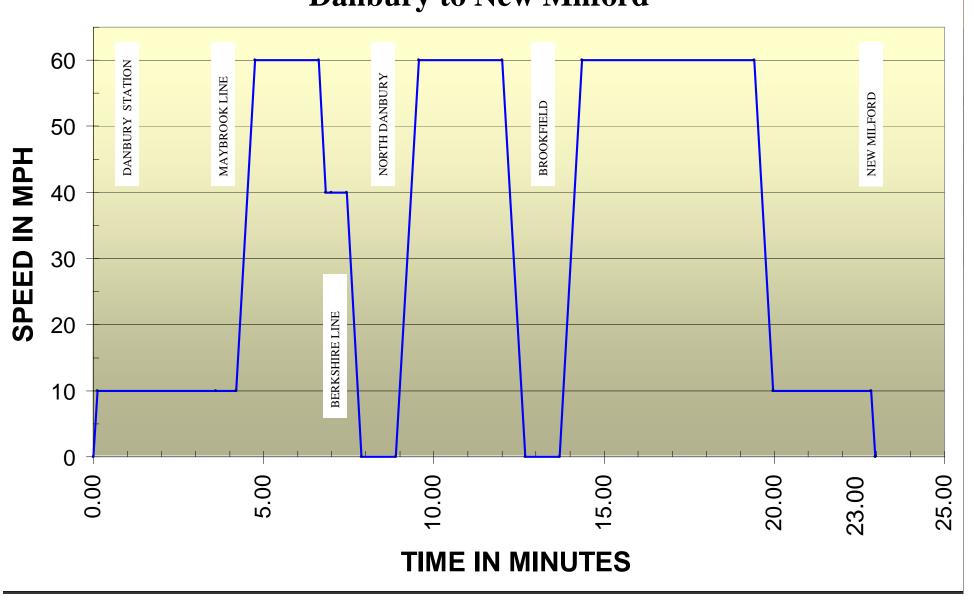
Danbury to New Milford





INCREASE MAS TO 60 MPH VS. TIME CHART

Danbury to New Milford



ESTIMATED RUN TIMES VERSUS SPEED DANBURY TO NEW MILFORD

ESTIMATED SCHEDULE

- EXISTING SPEEDS FROM HOUSATONIC RAILROAD TRACK CHARTS
- RUNTIME BASED ON MNR GENESIS LOCOMOTIVES
- DMU's CAN ACCELERATE FASTER, MAY REDUCE ANOTHER MINUTE OFF OF SCHEDULE

BASELINE

- 30 MPH MAXIMUM ALLOWABLE SPEED WITH SPEED RESTRICTIONS
- 41.4 MINUTES
- ESTIMATED RUNTIMES INCLUDE 5 MINUTES TO OPERATE HAND-THROW SWITCHES IN DANBURY AND AT BERKSHIRE JUNCTION
- DWELL TIMES @ STATIONS 60 SECONDS



ESTIMATED RUN TIMES VERSUS SPEED DANBURY TO NEW MILFORD

INCREASED SUPERELEVATION/UNDERBALANCE

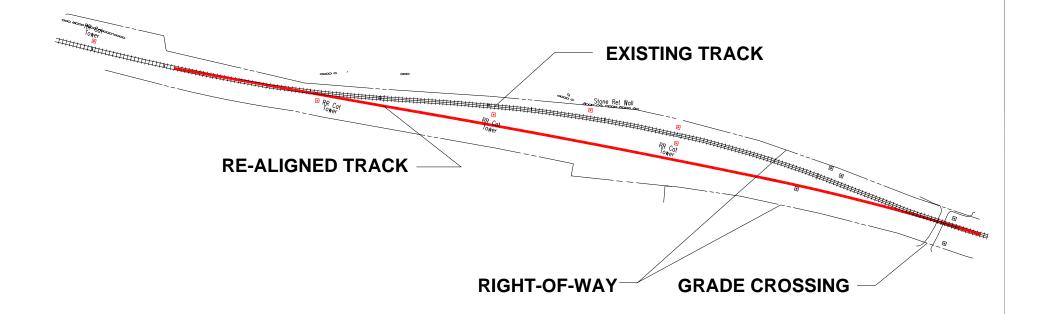
- 40 MPH MAXIMUM ALLOWABLE SPEED WITH SPEED RESTRICTIONS
- 34.3 MINUTES
- 50 MPH MAXIMUM ALLOWABLE SPEED WITH SPEED RESTRICTIONS
- 31.3 MINUTES
- ESTIMATED RUNTIMES INCLUDE 5 MINUTES TO OPERATE HAND-THROW SWITCHES IN DANBURY AND AT BERKSHIRE JUNCTION

UN-RESTRICTED SPEED

- 60 MPH MAXIMUM ALLOWABLE SPEED WITHOUT SPEED RESTRICTIONS
- 23.0 MINUTES
- RIGHT-OF-WAY AQUISITION REQUIRED
- WAYSIDE SIGNAL SYSTEM WITH POWER OPERATED SWITCHES REQUIRED
- DWELL TIMES @ STATIONS 60 SECONDS



CURVE RE-ALIGNMENT TO INCREASE SPEED



CURVE RE-ALIGNMENT TO INCREASE SPEED

