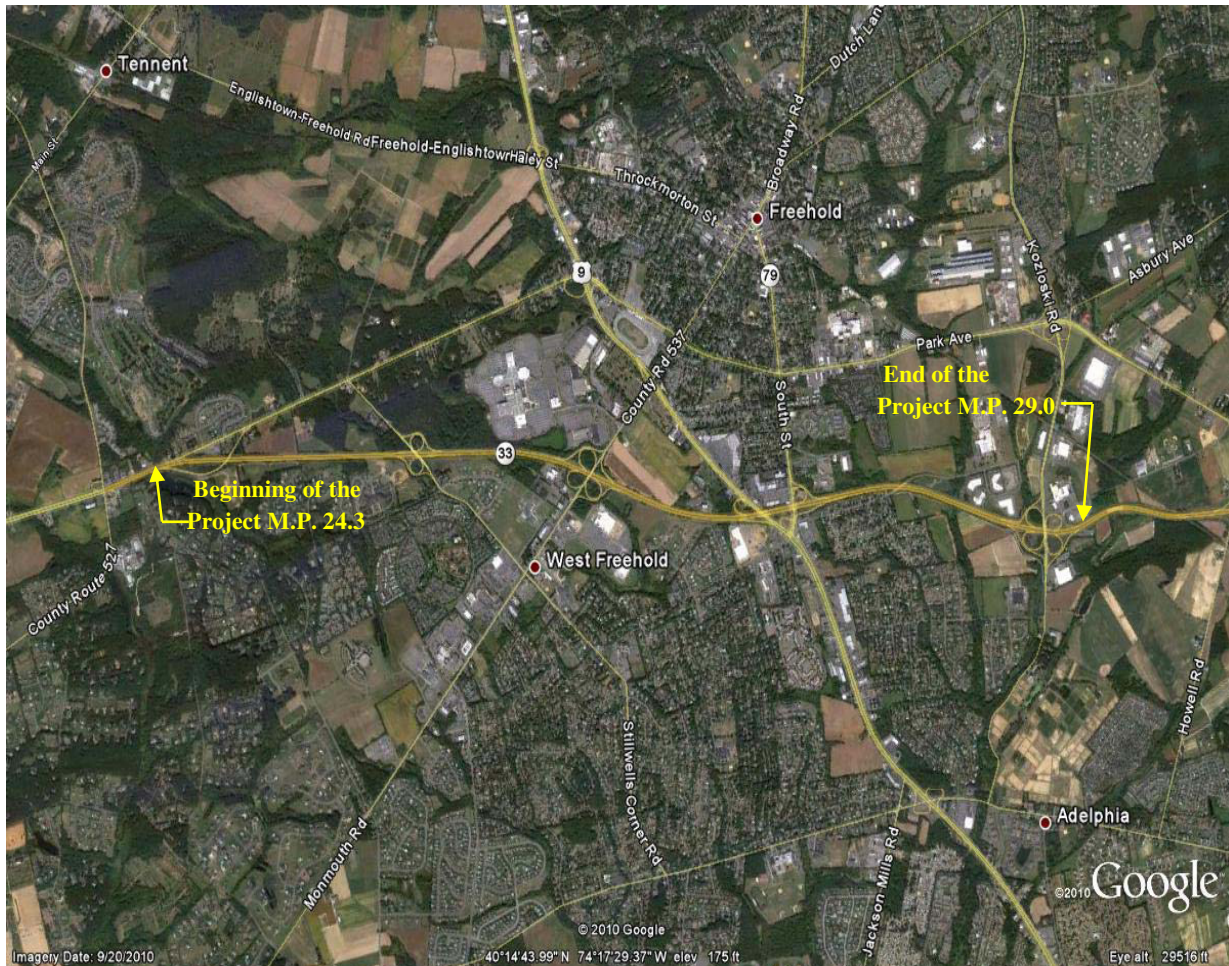


Concept Development Report

NJ Route 33 Pavement Resurfacing

Manalapan & Freehold Townships, Monmouth County



NEW JERSEY DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

March 2011

PREPARED BY: WAGDI W. GOBRIAL



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I- Introduction

This project is consistent with the Department's Asset Management Tactical Level Plan for Pavements in that it addresses deficiencies in the pavement network of the state highway system and aids in preserving and maintaining this system in a state of good repair.

A. Background:

The Division of Project Devolvment (DPD) has been assigned to develop Concept Development (CD) and Preliminary Engineering (PE) for pavement resurfacing projects. Route 33 is one of these projects. Within the project limits Route 33 functions as an urban freeway and generally consists of two main-line lanes, a narrow inside shoulder and a wide outside shoulder in each direction within the project limits. A third acceleration/deceleration lane exists in the vicinity of the interchanges and there is only one travel lane in each direction in the vicinity of the Halls Mill Road interchange. This section of Route 33 is a freeway segment with no at- grade local street intersections. However, the old Route 33 splits and merges with the new alignment of the freeway at M.P. 24.40 and 24.68 respectively.

B. Project Need:

Within the limits of the project, in both the eastbound and westbound directions, the pavement exhibits various types of cracking and deterioration. However, the shoulders are generally in “Fair” to “Good” condition, containing scattered cracking.

C. Project Limits:

The project extends from M.P. 24.2 to 29.00 in the eastbound direction and from M.P. 24.30 to 29.00 in the westbound direction. The project limits are located in Manalapan and Freehold Townships, Monmouth County.

D. Location Map:

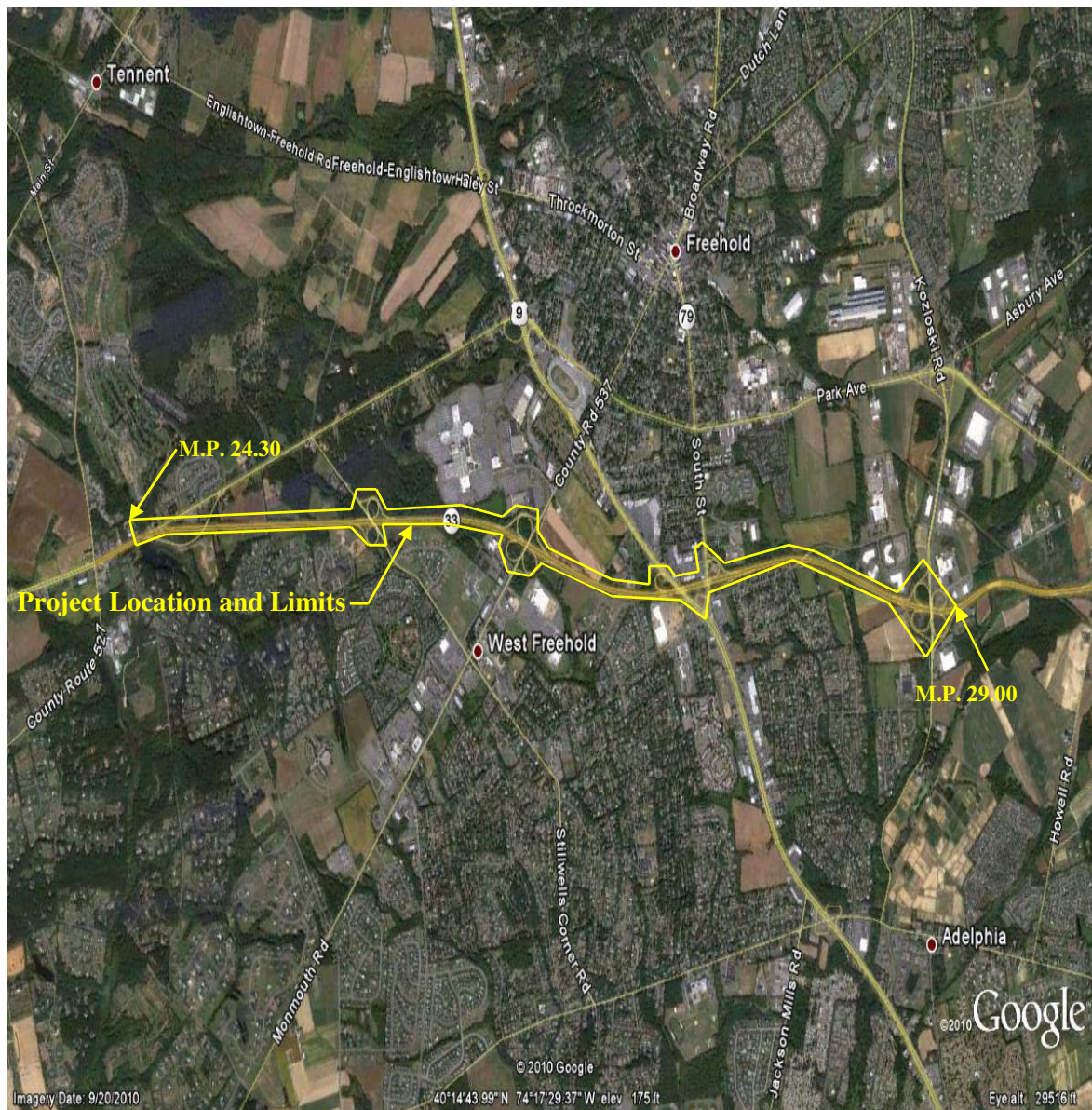


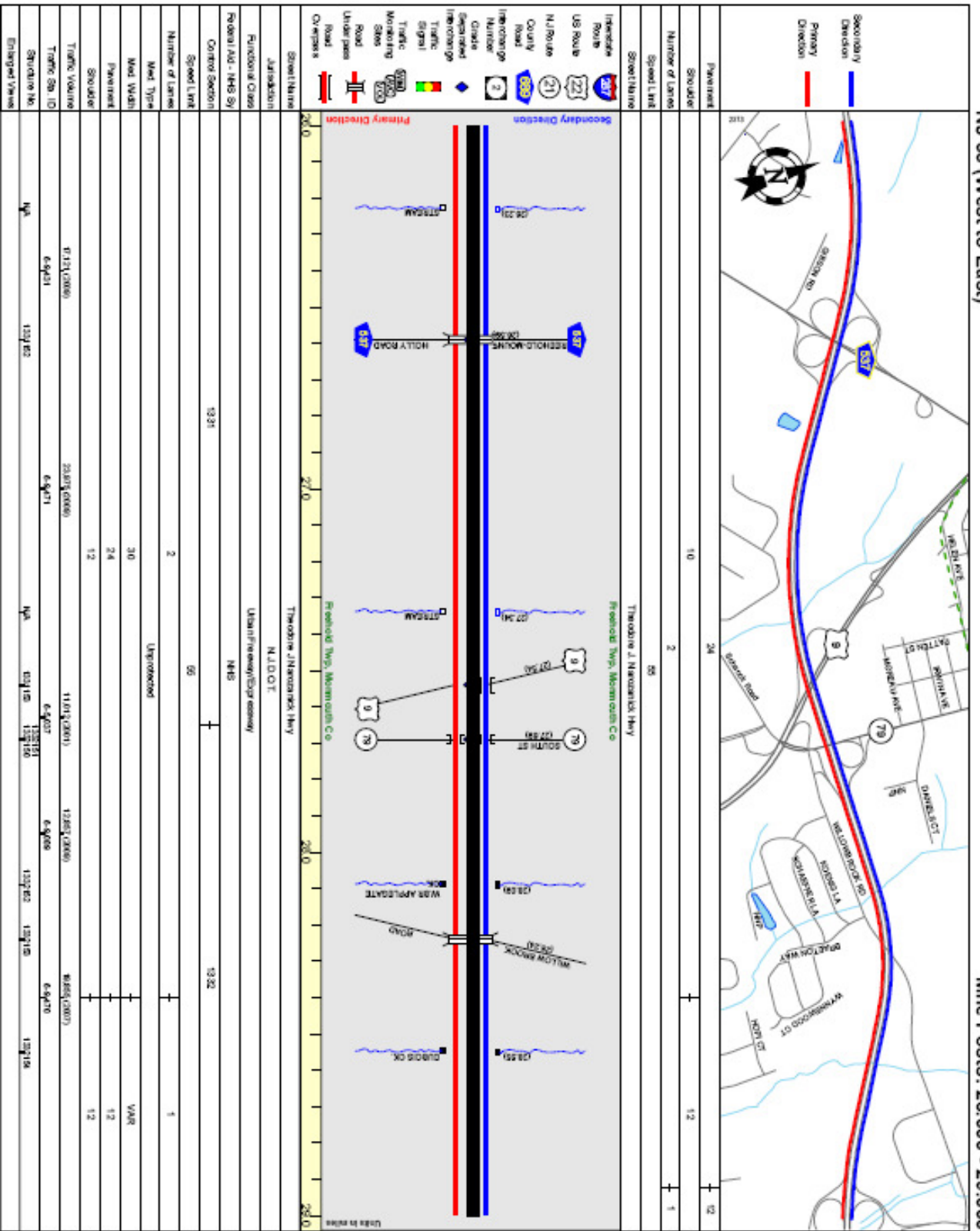
Figure 1

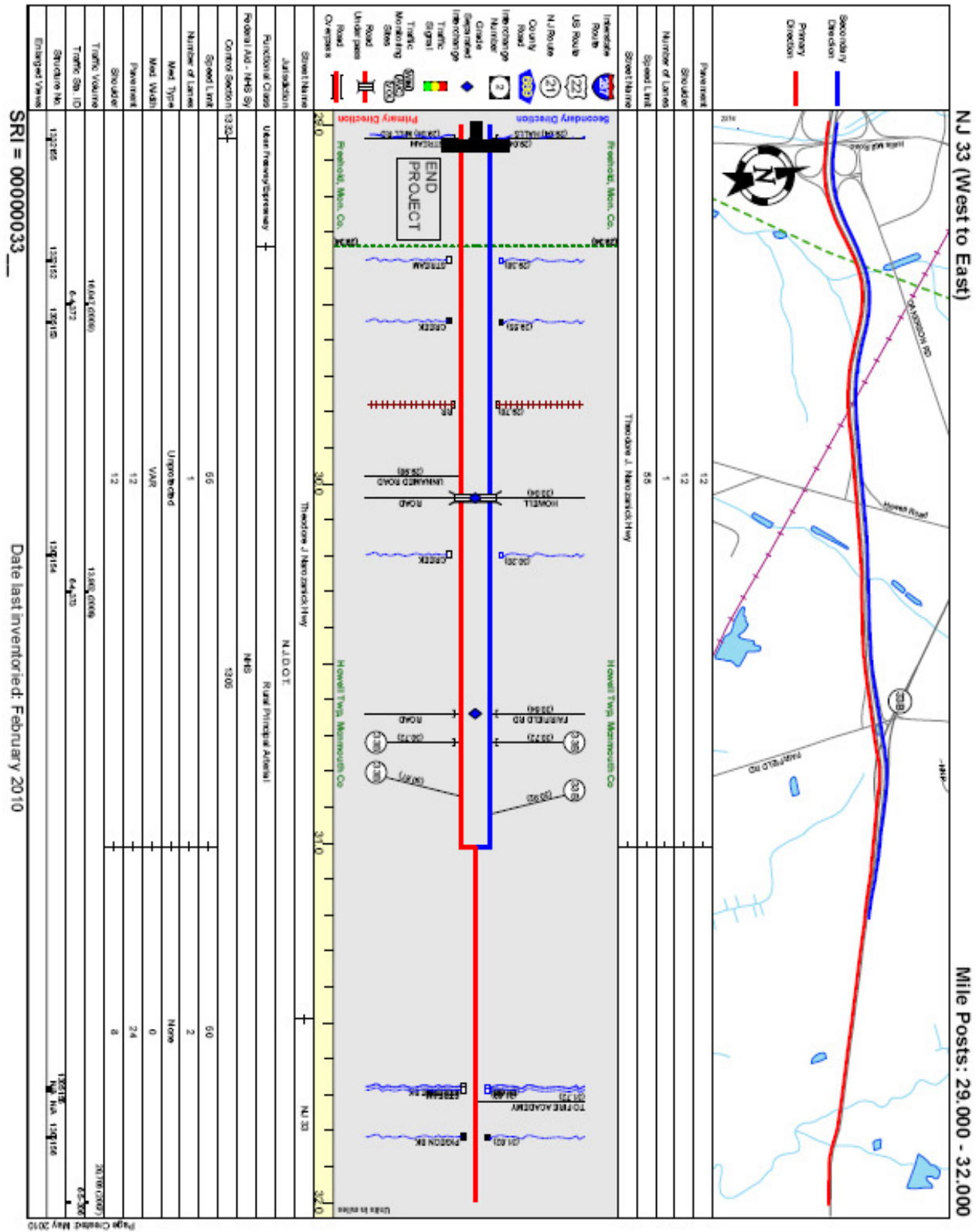
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Mile Posts: 23.000 - 26.000



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E. Concurrent and Adjacent Projects:

Based on the input from the in-house subject matter experts (SME'S), there is only one minor concurrent project of replacing overhead sign structure (OHSS) on Route 33 WB at MP 25.77. No other projects are underway in the vicinity of this resurfacing project.

II- Existing Conditions Analysis

A. Pavement:

The Route 33 main line lanes exhibit 0.25 to 0.50 in. rutting, L/M block cracking, scattered fatigue cracking, transverse cracking and L/M longitudinal cracking between lanes. The pavement conditions along the main- line lanes vary from “Very Poor” to “Good”. The shoulders are generally in “Fair” to “Good” condition, containing scattered L/M transverse, longitudinal, fatigue and block cracking.

The entireties of the Route 33 lanes do not require any structural improvements to attain a 10-year life. (See Appendix A)

B. Structures:

Within the project limits there are ten (10) structures. Rt. 33 overpasses local roads at three (3) of the structures, and underpasses US Route 9, and NJ Route 79 at two (2) structures. The other five structures are culverts. The deficiencies in most bridge structures ranges from: Spalling in the headers with deteriorating asphalt patches, missing of sections of deck joint steel angles, missing guide rail, no guiderail attached to parapet, and damaged or missing spacers. In addition to the bridges and culverts there are six (6) sign structures, two (2) on the eastbound and four (4) on the westbound of the freeway. One structure at M.P. 25.77 westbound is currently being replaced.

C. Traffic Management and Operations:

Within the Route 33 resurfacing project there is no related issues of traffic management and operations.

D. Bicycle and Pedestrian Facilities:

At the vicinity of the project and due to the fact that this section of Route 33 is a freeway segment, no such facilities exist within the limits of the project.

E. Utility Facilities:

Above ground utility facilities exist at the beginning of the project and at the entrance/ exit ramps. At M.P. 24.30 a mix of utility poles and street lights exist. In the vicinity of the ramps to and off C.R. 537, US Route 9, and NJ Route 79 only street light exists.

F. Access:

There are no businesses or residential access points or driveways along this segment of the freeway within the limits of the project.

G. ITS:

ITS components do not exist within the project limits.

H. Drainage:

Records submitted by the Drainage Unit indicated there were five incidents of flooding – within the past five (5) years- due to clogged inlets. Inlets were cleared and the problem was resolved.

I. Geometrics:

This section of Route 33 Freeway does not have any substandard geometric features. This was confirmed through review of as built plans.

Eastbound and westbound each have 2 lanes of 12' wide and outside shoulder of 12'. The main line of Route 33 is separated with a wide grass median of 30', and in a few locations there is a median guiderail.

J. Community Impacts:

This Freeway section of Route 33 has no adjacent residential or business properties; therefore there is no impact associated with the project.

K. Environmental Impacts and Concerns:

Adjacent to the roadway there is a service station which may have soil contamination due to leaking storage tanks. The project as proposed will remain within the existing pavement causing no disturbance to other properties. The only potential environmental impacts could be in the floodplain of Manalapan Brook Trip A (M.P. 24.32) and Debois Creek (M.P. 28.55).

L. Stakeholders Consultation and Management System Cross Check:

Pavement: The project is solely listed on the Pavement Management System.

Safety: The crash rate for this section of Route 33 exhibits relatively safe crash record (1.46 crash/mvm) as it is below the 2009 statewide average (2.12 crashes/mvm) for roadway similar cross section. (See Appendix H)

Drainage:

The project has no ranking in the Drainage Management System of the drainage unit's 2010 list.

Congestion: The priority rating for the length of the project on the Congestion Management System (CMS) is “Low” except at M.P. 24.40, which is rated “Medium”.

The project is listed in the STIP; and it will be funded by the Resurfacing Program (DB# X03E) line item.

III- Preliminary Preferred Alternative (PPA)

A. Pavement Recommendation:

The pavement recommendation of the main- line of Route 33 eastbound and westbound varies from milling 2” to 4” and resurfacing 2” to 4” for the limits of the project. The outside shoulders recommendation is mill 2” resurface 2”. The pavement recommendation of the ramps also varies from mill 2” to 3” and resurfaces 2” to 4”. The pavement design recommendation is summarized in the draft memorandum of the Pavement Unit. (See Appendix B)

Details of the pavement evaluation, design and recommendation are included in a report entitled “Pavement Evaluation and Design Report – Route 33: EB &WB (M.P. 24.3-29.0)” and dated December of 2010, prepared by the Pavement Unit’s consultant (Advanced Infrastructure Design, Inc.).

B. Cost Estimate:

The cost estimate of the pavement-related work for the recommended pavement restoration is approximately \$4.15 million (estimated by the Pavement Unit’s consultant) (See Appendix D). In addition, costs associated with additional roadway improvements, are approximately: \$2.00 million for Over Head Sign Structures, \$1.50 million for ITS components, and \$1.2 million for Median Cross Over Protection (guiderail).

C. Structures:

The two (2) structures carrying US Route 9 and NJ Route 79 over Route 33 are excluded from the analysis of the total number of structures. However, Central

Region Maintenance and Construction recommended rehabilitation of the decks for both overpasses. (See Appendix B)

Only minor repair work is proposed for the eight (8) structures within the project limits.

The structure (culvert) at the beginning of the project at M.P. 24.32 has a sufficiency rating of 31.80. However, the in-house structure unit advised that the structure is not deficient and there is no need for rehabilitation. (See Appendix B)

Five (5) Sign structures, within the project limits were recommended for replacement. (See Appendix B)

D. Drainage:

No proposed drainage work will be constructed based on the input from the Drainage Unit. No flooding problems have been reported, and the Drainage Management System does not indicate any flooding problems within the project limits. Minor flooding due to clogged drains was reported to Regional Maintenance and resolved by the same.

E. Traffic Operation and Construction:

Traffic Operation South recommended the use of Variable Message Sign (VMS), and incorporates Corrective Action Notice (CAN) -069 of traffic impacts and lane closure into Traffic Control Plan (TCP). Also, the region office recommended that any Route 33 lane closures must be performed in accordance with a lane closure schedule. (See Appendix B)

F. Utility Facilities:

It is anticipated that no proposed utility work will be included based on the fact that all utilities listed under “E. Utility Facilities” in the prior section of the report titled “Existing Conditions Analysis” are outside the edge of pavement.

Further investigation of underground utilities will be conducted in the next phase of the project Preliminary Engineering (PE).

G. Access:

This resurfacing project is on a freeway section. Therefore, work associated with access or driveways is not anticipated.

H. ITS:

As per the in-house ITS Unit, the Preliminary Preferred Alternative (PPA) should provide 2 ground - mounted Dynamic Message Signs (DMS) and 2 Closed Circuit Television Cameras (CCTV), and fiber optic connection between ITS locations and Freehold from Route 33B to Route 9 (approx. 3.2 miles).

I. Geometric:

The Preliminary Preferred Alternative (PPA) does not include any major geometric revisions. However, it was noticed during the video log session the absence of median cross over protection. It is recommended that median guiderail should be added to the PPA as per in house Design. (See Appendix B)

J. Public Involvement Action Plan:

A Public Involvement Action Plan will be developed in coordination with the Office of Community Relations. The plan will address the communication with the resident and the business owners in the surrounding area of the project prior to and during construction.

K. Environmental Concerns:

The Preliminary Preferred Alternative will remain within the existing edges of pavement, and will not increase the profile of the mainline causing no environmental disturbance. Therefore no environmental impacts are anticipated including section 106. It is anticipated that the project will be classified as a CED.

L. Bicycle and Pedestrian Facilities:

Because this section of Route 33 is a Freeway, pedestrian accommodations will not be added. The Freeway is fully bicycle compatible and will remain so after construction.

M. Coordination with Subject Matter Expert (SME) and Stakeholders:

Coordination with Subject Matter Experts (SME) was initiated at the beginning of the project. SME's have provided a wealth of information for existing conditions, and for developing the Preliminary Preferred Alternative (PPA). Their input is contained within the body of this report. Stakeholder coordination will be initiated during the next phase of work.

N. ROW:

The Preliminary Preferred Alternative (PPA), as proposed, is within the existing roadway; therefore there is no ROW impact.

It is anticipated that the PPA will not have any fatal flow.

The PPA alternative is developed using traffic data showing in appendix I.

Other Alternatives:

The no build alternative is unfavorable. This alternative will cause a rough ride for motorist traveling along this stretch of Route 33, and will cause more damage to the structure of the existing pavement.

It is anticipated that the project will advance as follow:

Preliminary Engineering July 2011

Final Design July 2012

Construction October 2013

Appendix A- Photo Log



EB MP: 24.21- M/H-Transverse & longitudinal reflection cracking.



EB MP: 24.50- M-Longitudinal & transverse cracking in Lane & Outside Shoulder.



EB MP: 24.51 M-Longitudinal cracking between lanes; L-Fatigue cracking



EB MP: 24.92- M-Block cracking



EB MP: 25.87- Sealed longitudinal & transverse cracking.



EB MP: 28.55- M-Block & fatigue cracking; M-Longitudinal cracking between lanes.



WB MP: 27.42- M-Transverse cracking.



WB MP: 26.69- H-Longitudinal cracking between lanes; M-Fatigue cracking.



WB MP: 26.43- H-Transverse cracking & L-longitudinal cracking; H-Longitudinal cracking with patching between lanes.



WB MP: 25.47- Fatigue cracking, rutting, & H-longitudinal cracking with patching between lanes.



WB MP: 25.04- Fatigue cracking in Lane 1; Transverse & longitudinal cracking; H-longitudinal cracking between lanes.



Ramp MP: 25.68- Minimal distress



Ramp MP: 27.54- Fatigue cracking.



Ramp MP: 25.68- Fatigue cracking.



Ramp MP: 26.59- Block cracking.



Wemrock Road Overpass MP: 25.68- Fatigue & block cracking.



CR-537 Overpass MP: 26.59 - L-longitudinal cracking



Rt. 9 Underpass MP: 27.54- L-Longitudinal cracking between lanes.



Rt. 9 MP: 27.54- M-Longitudinal cracking between lanes.

Appendix B- Correspondence

NEW JERSEY DEPARTMENT OF TRANSPORTATION

MEMORANDUM

TO: Robert Marshall, Manager
Division of Project Development

FROM: Jafar Fares
Principal Engineer
Civil Engineering - Pavement Technology

DATE: January 14, 2011

PHONE: 5-3043

SUBJECT: Route 33 MP 24.2 to MP 28.9 EB, MP 24.31 to MP 28.9 WB
Manalapan & Freehold Townships, Monmouth County
Pavement Design Recommendation

This project consists of resurfacing Route 33 mainline and shoulder pavement from MP 24.2 to 28.88 in the eastbound direction and from MP 24.31 to MP 28.88 in the westbound direction.

Advance Infrastructure Design, Inc. conducted a pavement evaluation and service life analysis as part of the Pavement Projects and Scoping and Design. The GPR, FWD, Coring and Visual Survey were performed as part of the pavement evaluation efforts for this project. Pavement Design data was provided by the NJDOT Division of Data Development.

Typically, Route 33 consists of two mainline lanes, a narrow inner shoulder and a wide outside shoulder in each direction within the project limits. A third acceleration/ deceleration lanes exists in the vicinity of the interchanges and only one travel lanes in each direction in the vicinity of the Halls Mill Road interchange. The mainline lanes consist of flexible pavement throughout the project limits with the exception of short sections at the western end of the project. The composite pavement sections include the eastbound lanes from MP 24.20 to 24.31 and the westbound lanes from MP24.34 to 24.40 and consist of 6 inch asphalt over 8-inch thick PCC. The asphalt thickness of flexible pavement is in range of 8.5 inch to 12 inch in both directions. The asphalt thicknesses in outside shoulders are in range of 3 inch to 4.8 inch and 4 inch to 5 inch in east and west directions respectively. The 20-year ESALs are approximately 4.25 millions.

Based on field testing, analysis and visual inspection in the field, we recommend as below:

Route 33 Mainline and inside shoulder

East Bound – From mile post 24.2 to mile post 25.4

Mill 3" depth and resurface with the following:

3" HMA 12.5 M64 Surface Course

East Bound – From mile post 27.2 to mile post 28.9

West Bound- From mile post 24.3 to 28.9

Mill 4" depth and resurface with the following:

2" HMA 12.5 M64 Surface Course

2" HMA12.5M64 Intermediate Course

East Bound – From mile post 25.4 to mile post 27.2

West Bound – From mile post 28.9 to mile post 29.4

Mill 2" depth and resurface with the following:

2" HMA 12.5 M64 Surface Course

Outside Shoulder

Mill 2" depth and resurface with the following:

2" HMA 12.5 M64 Surface Course

Ramps

X102580, Y102570, X102670, Y111270 (Rt. 9), Y111290 (Rt. 9), Y111270 (Rt. 9) Y202770, Y102770,

X102790, Y102630, X102650, Underpass NJ-79 (Per As-built, ramps comprise of 4 to 5-inch thick asphalt over 6-inch gravel base course)

Mill 3" and resurface with the following:

2" HMA 12.5 M64 Surface Course

2" HMA12.5M64 Intermediate Course

A102560, B102570, B102650, A102660, B102680, B102780, B202780, A102880, B102890, A102910,

B102920, Y102880, X102890, Y102910, X202920, overpass Wemrock Road and Halls Mill Road

Mill 2" and resurface with the following:

2" HMA 12.5 M64 Surface Course

We recommend sealing of cracks in HMA surface course on those ramps within the project limits that will be not resurfaced.

Incidental Recommendations

1. The surface course Ride Quality requirements for Route 33 mainlines will be forwarded separately before PS&E submission.
2. Include the item Hot Mix Asphalt Pavement Repair (item # 401021M) and an "If and where directed" quantity for flexible pavement section. After milling, repair any asphalt pavements which exhibit high severity cracking, potholes or other damage in accordance with 401.03.01.D.
3. We recommend including item # 202009P i.e. Excavation, Unclassified and "if and where directed" quantity for ramps. This item may be needed in some ramps if asphalt thickness at isolated locations is less than milling depth. We envision 10% of milling area of ramps X102580 and Y102570 and 1-inch depth may be considered for estimate. Also in case of undercutting (removing unbound material in excess of specified milling depth), replace with HMA12.5M64 Intermediate Course. Include additional quantity of HMA in the estimate quantities.

If you have any questions please contact Narinder S Kohli of this office at 530-8140.

C: File

From: Clint Griggs
To: Gobrial, Wagdi
CC: James, Bernard; Tavares, Al
Date: 2/15/2011 7:32 PM
Subject: Re: Rt. 33 Resurfacing

Here are the comments received from the field regarding your request for comments.

Some areas we should get included in this resurfacing is:

- 1) - The Eb. & Wb. on & off ramps for Wemrock Rd. (mp. 25.7 Freehold Twp.)
- 2) - Our jurisdiction on top of Wemrock Rd. overpass (mp. 25.7 Freehold twp.) this area is very bad and should be addressed
- 3) - The Eb. & Wb. on & off ramps for Rt. 537 (mp. 26.6 Freehold twp.)
- 4) - Our jurisdiction on top of Rt. 537 overpass (mp. 26.6 Freehold twp.) is not nearly as bad as Wemrock Rd., but is starting to fail, and will be our problem in the near future.
- 5) - If bridge deck repair can get included in this job both of the bridge decks at Wemrock Rd. & Rt. 537 needed concrete repair on top. The decks over Rt. 79 & Rt. 9 also needs some concrete repair.

Please contact me if you need any additional information. Sorry for the delay in responding.

>>> Wagdi Gobrial 02/09/11 11:48 AM >>>

Back on January 24, 2011, I contacted you via email soliciting your valuable input reference Rt. 33 resurfacing project. Our Division of Project Development (DPD) has initiated the CD phase of work for the above captioned project. The project limits are from M.P. 24.31 to M. P. 28.9 both direction east and west bound and is located in the Manalapan and Freehold Townships.

We are awaiting your input for any information you have pertaining this project. Thank you in advance for your cooperation.

Wagdi W. Gobrial
NJDOT- DPD
Phone: (609)- 530- 2741
Fax: (609)- 530- 3595
e-mail: Wagdi.Gobrial@dot.state.nj.us

From: Nat Kasbekar
To: Gobrial, Wagdi
CC: Forero, Jairo; Hall, Alanson; Tavares, Al
Date: 1/25/2011 11:33 AM
Subject: Re: Rt. 33 Resurfacing

Wagdi;

Based on attached SI&A sheet even though SR rating is low due to low Inventory Load Rating, the structural conditional rating (Item 62) of culvert is listed as 6 i.e. deterioration/initial disintegration. Also, the culvert is not Structurally Deficient. There is more than 6 ft of fill over the culvert i.e. culvert is buried. Based on this I would not recommend doing anything to this culvert especially as part of resurfacing scope of work. Thanks

Nat

>>> Wagdi Gobrial 1/24/2011 2:46 PM >>>

DPD has initiated the CD phase of work for the above captioned project. The project limits are from M.P. 24.31 to M. P. 28.9 both directions east and west bound.

We obtained a list of structures along the limits of the job and also the SI&A sheets.

The first one is structure # 1304157; it is a culvert at M.P. 24.32. The SI&A sheet indicated a sufficient rating of 31.80.

At this time we asking your recommendation for dealing with such structure.

Thank you in advance for your cooperation.

Wagdi W. Gobrial
NJDOT- DPD
Phone: (609)- 530- 2741
Fax: (609)- 530- 3595
e-mail: Wagdi.Gobrial@dot.state.nj.us

Hi Lynn,

Thanks for inquiring about the sign structures that should be considered for replacement as part of your upcoming pavement projects. The following is the list (sorted by structure number) of all structures, within the limits you described, that should be replaced in the near future. Some of the structures may already have been targeted for replacement; however a federal Funds project is always the preferred vehicle if the option is available.

Thanks,

Jack Evans

5-2547

Structure _Number	St_Name	Status Description
0701206	Span Sign Structure on Route 1&9 NB at MP 47.56	Please consider this structure for replacement.
0701207	Span Sign Structure over US Route 1 & 9 Northbound Local & Ramp at MP 47.63	Please consider this structure for replacement.
0701208	Span Sign Structure on Route 1&9 NB Local at MP 47.70	Please consider this structure for replacement.
0703240	Span Sign Structure on Ramp from Route 1&9 NB at MP 48.01	Please consider this structure for replacement.
0703200	Span Sign Structure on Route 1&9 NB at MP 48.54	Please consider this structure for replacement. This structure was identified as a priority for replacement in 2009; please contact Structural Design for status. It should be replaced with Federal Funds if the option is available.
1304200	Span Sign Structure on Route 33 EB at MP 24.34	Please consider this structure for replacement.
1331200	Span Sign Structure on Route 33 EB at MP 25.56	Please consider this structure for replacement.
1331204	Span Sign Structure on Route 33 WB at MP 25.77	Currently being replaced.
1331203	Span Sign Structure on Route 33 WB at MP 26.72	Please consider this structure for replacement.
1331201	Multi-Span Sign Structure on Route 33 at MP 27.43	Please consider this structure for replacement. This structure was identified as a priority for replacement in 2009; please contact Structural Design for status. It should be replaced with Federal Funds if the option is available.
1332202	Span Sign Structure on Route 33 WB at MP 27.80	Please consider this structure for replacement. This structure was identified as a priority for replacement in 2009; please contact Structural Design for status. It should be replaced with Federal Funds if the option is available.
1606207	Overhead SignStructure at US 46 Eastbound, MP 55.94	Please consider this structure for replacement.
1606208	Overhead Sign Structure at US 46 Eastbound, MP 56.01	Please consider this structure for replacement.
1606209	Overhead Sign Structure at US 46 Westbound, MP 56.05	Please consider this structure for replacement.

1606213	Overhead Sign Structure at US 46 Westbound, MP 56.52	Please consider this structure for replacement.
0610200	Span Sign Structure on Route NJ 55 Southbound at M.P. 27.95	Please consider this structure for replacement.
0610201	Span Sign Structure on Route NJ 55 Northbound at M.P. 29.57	Please consider this structure for replacement.
1414205	Span Sign Structure on I-80 EB Express & Local at MP 45.51	Please consider this structure for replacement. This structure was identified for replacement in 2009 but is still pending. Please contact Structural Design for details and current status.
1414206	Span Sign Structure over I-80 Eastbound at MP 45.85	Please consider this structure for replacement. This structure was previously identified for replacement, but is still pending. Please contact Structural Design for details and current status.
1414207	Span Sign Structure over I-80 Eastbound Local Road at MP 45.89	Please consider this structure for replacement. This structure was previously identified for replacement, but is still pending. Please contact Structural Design for details and current status.
1414208	Span Sign Structure over I-80 Eastbound at MP 46.22	Please consider this structure for replacement. This structure was previously identified for replacement, but is still pending. Please contact Structural Design for details and current status.
1414210	Overhead Sign Structure at I-80 Westbound, MP 46.28	We believe this structure is in replacement Contract 2009-1
1610201	Span Sign Structure on I-80 Eastbound at MP 58.10	Please consider this structure for replacement.
1610213	Span Sign Structure on I-80 Westbound at MP 58.22	Please consider this structure for replacement.
1610202	Span Sign Structure on I-80 Eastbound at MP 58.28	We believe this structure is in replacement Contract 2009-1

Data: Pavement projects_2010-1

**NEW JERSEY DEPARTMENT OF TRANSPORTATION
MEMORANDUM**

TO: Wagdi W. Gobrial
NJDOT- DPD
Phone: (609) - 530- 2741
e-mail: Wagdi.Gobrial@dot.state.nj.us

FROM: Stan Worosz
Traffic Operations South

DATE: February 17, 2011

PHONE: (856) 486-6697

SUBJECT: Route 33 Pavement Resurfacing
MP 24.3 to 29.0
TOC-South lane closure hours
Manalapan & Freehold Twp's
Monmouth County

This is in reference to your February 14, 2011 e-mail requesting checklist review. Traffic Operations South has reviewed the subject location and we have the following comments:

- 1.) Include item for contractor portable Variable Message Sign (VMS)
Quantity 2
- 2.) Please incorporate CAN-069 into the TCP. All four items in "**Corrective Action Plan**". You can get a copy of CAN-069 from the following website: www.state.nj.us/transportation/eng/notices/CAN
- 3.) Any Route 33 lane closures must be performed in accordance with the lane closure schedule provided herein. Please include the following, **in bold**, into the TCP:

ANY SINGLE LANE CLOSURES ON ROUTE 33 MUST BE PERFORMED IN ACCORDANCE WITH FOLLOWING SCHEDULE:

MONDAY THRU THURSDAY: 9AM - 3:30PM AND 8PM - 6AM THE NEXT DAY
FRIDAY: 9AM - 3:30PM AND 8PM - 6AM MONDAY

SHOULDER CLOSURE WILL BE PERMITTED ANYTIME, WITH NO RESTRICTIONS DUE TO HOLIDAYS.

NO SINGLE LANE CLOSURES WILL BE PERMITTED ON THE FOLLOWING HOLIDAYS:

EASTER SUNDAY	(INCLUDING 6:00 AM SATURDAY UNTIL NOON MONDAY)
MEMORIAL DAY	(SEE NOTE BELOW)
JULY 4th	(SEE NOTE BELOW)
LABOR DAY	(SEE NOTE BELOW)
ELECTION DAY	(6:00 AM UNTIL 8:00 PM THE DAY OF)

THANKSGIVING DAY	(SEE NOTE BELOW)
CHRISTMAS DAY	(SEE NOTE BELOW)
NEW YEAR' DAY	(SEE NOTE BELOW)

NOTE:

<u>IF HOLIDAY FALLS ON</u>	<u>NO LANE CLOSURE PERMITTED</u>
-----------------------------------	---

SUNDAY OR MONDAY	6:00 AM FRIDAY UNTIL NOON TUESDAY
TUESDAY	6:00 AM FRIDAY UNTIL NOON WEDNESDAY
WEDNESDAY	6:00 AM TUESDAY UNTIL NOON THURSDAY
THURSDAY	6:00 AM WEDNESDAY UNTIL NOON MONDAY
FRIDAY OR SATURDAY	6:00 AM THURSDAY UNTIL NOON MONDAY

For any questions, please call me at (856) 486-6697

cc: File

From: Dave Bizuga
To: Median X Over Summary Group
Date: 1/21/2011 3:36 PM
Subject: Fwd: Summary of Median Cross Over Protection Program
Attachments: Median contracts summary.DOC; Remaining Unprotected Medians Revised.XLS

Ladies and Gentlemen,

Attached is the latest quarterly update of the Summary of Median Cross Over Protection Program. It contains locations, construction costs and latest status of construction for all of the Median Cross Over Protection projects that are under design or construction as of this date. It also contains resurfacing/reconstruction/safety projects that are also including median protection. This program involves installing median cross over protection (IE: Guide rail), on unprotected medians on Interstates, freeways and expressways where the median width is 60 feet or less.

PLEASE SHARE WITH YOUR STAFF AND DETERMINE IF ANY OF YOUR PROJECTS HAVE ANY CONFLICTS WITH THE MEDIAN CROSS OVER PROTECTION PROJECTS. If you believe you have a conflict, call me up so that we can come up with a solution.

Also attached is a spreadsheet that contains the remaining 26.70 miles of unprotected medians not covered by any project and a spreadsheet that indicates that the cable guide rail locations are all being converted to beam guide rail. Shaded areas of these two spreadsheet are for those locations that recently were placed in projects. Make sure to print out the two tabs in lower left corner of spreadsheet.

PLEASE SHARE WITH YOUR STAFF AND DETERMINE IF ANY OF YOUR RESURFACING, RECONSTRUCTION, AND/OR SAFETY PROJECTS CONTAIN AN UNPROTECTED MEDIAN LOCATION. IF THAT IS THE CASE, CALL ME TO LET ME KNOW THAT YOU ARE PROTECTING THE MEDIAN IN YOUR PROJECT. I WILL NEED THE PROJECT NAME AND LOCATION SO I CAN UPDATE THE SPREADSHEET. THIS WAY WE WILL NOT BE PROTECTING THE SAME MEDIAN LOCATION IN MORE THAN ONE PROJECT.

I will try to send you all updates on a quarterly basis.

We are protecting these Interstate, freeway and expressway medians with dual faced beam guide rail and/or dual faced modified thrie beam guide rail. If you need guidance on choosing which one to use, call me. The narrow medians on Rt. 29 and Rt. 19 may require concrete barrier curb.

It has been brought to my attention that there may be unprotected medians 60' or less in width on Route 80 around MP 40.2 to 40.5. We will field investigate and place these on list if appropriate.

I would like to thank you all for adding median cross over protection to your 3R projects. We have added roughly 38 miles of median cross over protection to your 3R projects since 2007. We have only 26.70 miles left to protect.

**David Bizuga
Manager 2
Roadway Design Group 1
609-530-5273**

Experimental Test Sections Constructed (February 2003)

Rt. 78 MP 23.3 to 24.48 = 1.18 miles with 3-Strand Cable Guide Wire

Rt. 80 MP 27.42 to 28.16 = 0.74 miles with Modified Thrie Beam Dual Faced

TOTAL LENGTH OF PROJECT OF 1.92 MILES WITH AWARD OF \$354,620

Approved Change of Plans

Rt. 295 Sec. 2E, 2F & 2J Construction Completed (Substantial Completion 10/28/2004 Actual)
MP 32.7 to 36.0 = 3.3 miles with Beam Guide Rail Dual Faced

Rt. 95 & Scotch Road Construction Completed (December 2003)
MP 2.22 to 3.54 = 1.32 miles of Beam Guide Rail Dual Faced

Route 295 MP 14.6 to 24.5, Repaupo Rd. to Route 45, Contract #015003721, Rehabilitation and Hyperbuild Project will add median protection as a change of plan from MP 24.3 to 24.5 = 0.2 miles, \$53,000 Construction Completed (Substantial Completion 6/18/2009 Actual.).

TOTAL LENGTH OF PROJECT OF 4.82 MILES WITH ESTIMATED COST OF \$1,073,477

Resurfacing, Reconstruction and/or Safety Projects

Route 3 MP 6.2 to 10.8, West of Rt. 17 to Rt. 1 & 9, Resurfacing project to protect median from MP 7.77 to 7.82 and 8.93 to 9.0 = 0.12 miles, \$34,512 Preliminary Cost. Project is under Final Design. Award is 12/19/2011 Tentative.

Route 18 SB MP 5.14 to 13.5, from Rt. 138 to South of Deal Rd., Resurfacing project to protect median from MP 5.38 to 5.90, 8.1 to 8.5, 11.90 to 13.16 and 13.43 to 13.46 = 2.21 miles, \$635,596 Preliminary Cost. Project is under Final Design.

Route 18 NB MP 18.9 to 29.5 & SB MP 21.86 to 30.5, from South of Rt. 34 to Rt. 9, Resurfacing project to protect median from MP 19.2 to 24.3 and 25.2 to 28.7 = 8.6 miles = \$2,473,360 Preliminary Cost. Added via addendum. Awarded 11/16/2010.

Route 29 Sullivan Way to West Upper Ferry Road Safety Improvements (Substantial Completion 11-30-07 Actual)

MP 6.2 to 8.5 (median protection only) = 2.3 miles of Beam Guide Rail Dual Faced, \$644,000 Estimated Cost

Route 33 MP 24.3 to 29.0, from Manalapan Brook to Halls Mill Road, Pavement Rehabilitation project to protect median from MP 24.4 to 25.53, 25.8 to 26.55, 26.73 to 27.39 and 27.84 to 29.28 = 3.98 miles, \$1,144,648 Preliminary Cost. Project is in Concept Development.

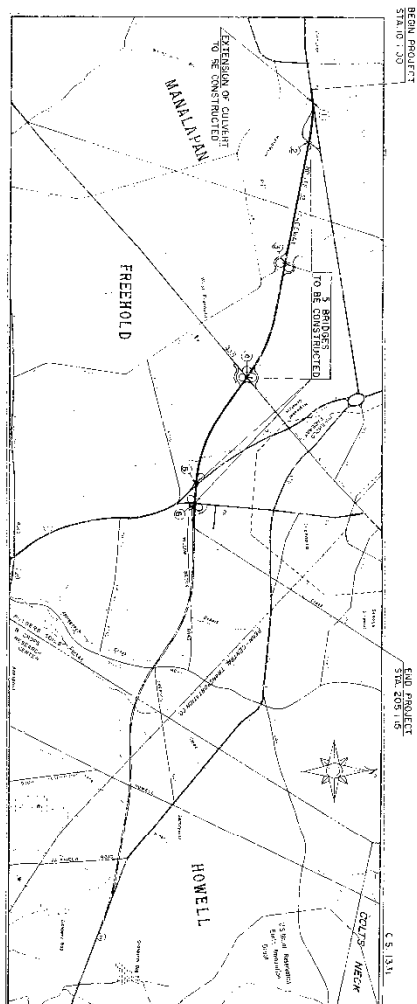
Route I-78 Local and Express Contract A, Construction Completed (Substantial Completion 10/26/07 Actual) MP 52.24 to 52.63 (median protection only) = 0.39 miles of Beam Guide Rail Dual Faced, \$157,840 Bid Cost

Appendix C- As- Built Plans

1331001404

PUBLIC UTILITIES
JERSEY CENTRAL POWER & LIGHT COMPANY
NEW JERSEY BELL TELEPHONE COMPANY
NEW JERSEY NATURAL GAS COMPANY
TOWNSHIP OF FREEHOLD - WATER
WYNNWOOD SEWAGE UTILITY
FREEHOLD SEWER COMPANY

State of New Jersey
Department of Transportation
AS-5012T PLANS OF
ROUTE 33 FREEWAY SECTIONS 1A & 2A
From Manalapan Brook to East of Route 79
GRABING, PAVING, and BRIDGE STRUCTURES
Township of Manalapan and Freehold Monmouth County
Scales as Indicated June 1972



KEY MAP

STANDARD HIGHWAY SPECIFICATIONS OF 1961 TO GOVERN
LENGTH OF PROJECT = 19.515 LIN. FT., = 3.656 MILES

DESIGN DATA
ROUTE 33 FREEWAY

ADT = (1985) 12WAY	1	8,000
DHW = (2WAY)	2	4,270
D	3	67%
T	4	5%
V	5	70 N.M.I.

NOTE
Driveways subject to the approval of the Engineer of repairs

- STRUCTURES IN THIS CIRCUIT
- 1) CULVERT, MANULPAN 1200X
 - 2) UNDERPASS, ROAD 12
 - 3) UNDERPASS, WENROC ROAD 12
 - 4) UNDERPASS, COUNTY ROUTE 504
 - 5) OVERPASS, US ROUTE 9
 - 6) OVERPASS, ROUTE 19

INDEX	
KEY	DESCRIPTION
1	KEY
2-4	ESTIMATE OF QUANTITIES
5-6	DISTRIBUTION OF QUANTITIES
7-19	TYPICAL SECTIONS
20-70	CONSTRUCTION PLANS
71-95	PROFILES
96-99	THE SHEETS
100-119	GRADE SHEETS
120	STAIR CONSTRUCTION
121-140	ELECTRICAL PLANS (Including a Summary)
141-147	ELECTRICAL DETAILS
148-151	SIGNING DETAILS
152-166	LANDSCAPE PLANS
167-200	METHOD OF CROSS SECTIONS
201-259	CROSS SECTION SHEETS
260	270
270	EARTHWORK SUMMARY
281-285	EARTHWORK CHARTS
286-295	SECTIONAL DETAILS
296-347	BRIDGE R. 41-45
348-350	BRICKWORK AND DETAILS

RECEIVED THE ARMY SIGN OFFALS

PART I
OF
PLANS

Submitted by _____ Date February Day 19

Approved by J. H. Fairclough 18-26-72
J. H. FAIRCLOUGH
Sgt.

Approved by _____ Date _____
_____ _____
Classmate of "_____" _____



Appendix D- Construction Cost Estimate

Cost Estimate

Route 33 EB & WB (M.P. 24.3 to M.P. 29.0)

ITEM	COST
Planning & Scoping	\$75,000
Preliminary Design	\$65,000
Final Design	\$120,000
Pavement	\$4,150,000
Over Head Sign Structures (OHSS)	\$2,000,000
ITS Components	\$1,500,000
Median Cross Over Guiderail	\$1,200,000
TOTAL	\$9,110,000

Appendix E- Environmental Screening Report

NEW JERSEY DEPARTMENT OF TRANSPORTATION

ENVIRONMENTAL SCREENING

Revised April 27, 2006

Date:	February 11, 2011
Request for this screening made by:	Wagdi Gobrial
Project Name:	Rt. 33 Resurfacing M.P. 24.2 to M.P. 28.9
Project Description:	Resurfacing
County and Municipality:	Monmouth County/Manalapan and Freehold Townships

ENVIRONMENTAL CONSTRAINTS/OPPORTUNITIES:

Cultural Resources	Yes / No
Are there any 50+ year old structures in the project study area?	Y
Are there known buildings or structures on or eligible for the State and /or National Register of Historic Places in the project study area?	N
Is there involvement with a historic bridge or culvert?	N
Is the project located in a known or potential Historic District?	Y
Are there any undisturbed areas, old foundations or building rubble in the project study area?	N/A
Are there any known archaeological sites or potential underground cultural resources within the project study area?	N/A
Enhancement Opportunities:	
Comments: The project as proposed (milling and resurfacing within the existing roadway) falls on the No Effects list per DOT/SHPO agreement of 5/14/09	

Section 4(f) Properties	Yes / No
Are there any recreational facilities within the project study area?	N
Is there publicly owned open space in the project study area?	N
Is there a Wildlife Refuge or Wildlife Management Area in the project study area?	N
Is there a school or school athletic fields in the project study area?	N
Is there a community park or parkland within the project study area?	N
Enhancement Opportunities:	
Comments:	

Air/Noise	Yes / No
Are there any sensitive receptors (i.e. residences, schools, hospitals, and churches) within 300 feet of the project?	Y
Will the project change the vertical or horizontal alignment of the roadway?	N
Does the project provide for a significant increase in vehicle operating speeds of roadway capacity?	N
Is the project in a non-attainment area for Carbon Monoxide?	unknown
Is an intersection Carbon monoxide analysis required?	N
Is the project in a non-attainment area for PM2.5?	unknown
Is a PM2.5 hot-spot analysis required?	N
Is the project in a non-attainment area for PM10?	unknown
Is a PM10 hot-spot analysis required?	N
Mitigation Opportunities:	
Comments: The project as proposed is exempt from conformity requirements.	

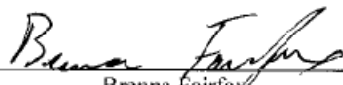
Ecology		Yes / No
Are there any wetlands, floodplains, sole source aquifer, stream crossings or wildlife habitat in the project study area?		Y
Are there any Category I waters or Wild and Scenic rivers in the project study area?		N
Are there any potential or know vernal pool habitats with the project study area?		N
Are there any trout maintenance or trout production streams within the project study area?		N
Is there any potential for rare, threatened or endangered species or their habitats within the project study area?		Y
Are there any environmentally-sensitive areas that are possible project design constraints?		Y
Are there any potential stormwater management mitigation areas in project area or upstream of project area?		N/A
Describe ecology in the project study area: (ie heavily forested, urban, residential, etcetera)		
The following environmental permits and interagency coordination may be necessary:		
U.S. Coast Guard (Bridge)		NJDEP Freshwater Wetlands
USACOE Section 404		P.L. 2001 Chapter 10 Reforestation
USACOE Section 10 (Navigable Waters)		NJDEP Waterfront Development
CAFRA		NJDEP Flood Hazard Act
NJPDES Construction Stormwater	X	NJDEP Riparian
NJDEP Coastal Wetlands		USEPA-Sole Source Aquifer
NJDEP Water Quality Certificate		Essential Fish Habitat
Pinelands Commission		Category One waters
D & R Canal Commission		NJDEP Stormwater Management Rules
Meadowlands Commission		Delaware River Bridge Commission
Comments: The proposed project crosses several streams and floodplains. The roadway profile can only be raised less than 3 inches or a FHA permit would be required.		
Socioeconomics		Yes / No
Will the project affect farmland or community facilities?		N
Based on the proposed improvements for this project, will there be possible displacement of businesses or residences?		N
Will the project affect access to community facilities, bus stop shelters, playgrounds or parks or gardens?		N
Are there any observable safety issues or concerns in the project study area?		
Does project have potential for Environmental Justice involvement?		N

Hazardous Waste	Yes / No
Are there any known or suspected hazardous waste sites (UST, landfills, known NJDEP Case, ECRA Case), within the project study area?	Y
Are there active or abandoned industries, service stations or repair shops within the project study area?	Y
Is there evidence of potential contamination (monitoring wells, stained soils, etc.)?	unknown
Are railroad or railyards located in the project study area?	N
Enhancement Opportunities:	
Comments: Although there is a service station on the known contaminates list adjacent to the roadway, the project as proposed will remain within the existing roadway and not cause ground disturbance to other properties.	

Environmental Screening Summary:

The greatest potential for environmental impacts for the project as proposed are in the floodplain Manalapan Brook Trib A and Debois Creek.

Prepared & Recommended By:

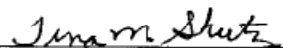

 Brenna Fairfax
 E-Team Screening Coordinator

2/11/11

Date

5-2501

Phone



Tina Shutz

Environmental Team Leader

2/11/11

Date

5-2543

Phone

Appendix F- Concept Development Check List

Concept Development Checklist Pavement Projects

Project Name:	Rt. 33 EB & WB from Manalapan Brook to Halls Mill Rd
Direction/Milepost limits:	M.P. 24.3 to M.P. 29.0
Pavement Type:	Flexible and composite Pavement
UPC #:	113060
Municipality(ies):	Manalapan and Freehold Townships
County (ies):	Monmouth
DPD Lead Engineer:	Wagdi W. Gobrial
DPM Project Manager:	Ahmad Qureshi
CD Designer:	Division of Project Development

Notes:

- **All checklist items** shall be briefly discussed in the section below the checklist items.
- **NFI: Needs Further Investigation in Preliminary Engineering/Design** (explain below).

Concept Development Checklist

A. Pavement

Y	N	N/A	NFI	
X				Pavement Recommendation provided by Pavement Management?
			X	Borings/Corings required during design?
X				Is the shoulder pavement box adequate to support traffic during staging?
X				Concrete Pavement Repair or Slab Replacement required?
	X			Does concrete slab repair/replacement recommendation need field verification?
		X		Is pre-cast slab replacement appropriate at this location?

Comments:

B. Structural

Y	N	N/A	NFI	
X				Are there any structures within project limits?
X				Is deck patching required?
	X			Is deck replacement required?
			X	Will the deck be overlaid with asphalt?
			X	Has Structures approved addition of asphalt dead load?
	X			Is a superstructure replacement required?
	X			Are approach/transition Slabs present and require attention?
X				Do structures cross over this roadway segment?
	X			Is the under-clearance adequate?
X				If no, can a Design Exception be obtained?
			X	Is a different pavement treatment needed to maintain under-clearance?
		X		Bridge drainage functioning?
		X		Bridge railing needed?
X				Are OHSS in need of replacement or repair?

Comments:
OHSS are old type SS Trylon Trusses.

C. Traffic Management/Operations

Y	N	N/A	NFI	
	X			Detour
X				Staged Construction
X				Lane Closure Hours provided (Traffic Ops Director Approval needed)

Comments:

D. Bicycle and Pedestrian

Y	N	N/A	NFI	
	X			Are there worn paths from pedestrian activity present?
	X			Are new Sidewalks needed?
	X			Are ADA curb ramps needed?
	X			Are new crosswalks needed?
	X			Are pedestrian countdown heads needed at signalized intersections?
				Is roadway bicycle compatible?

Comments:

E. Utility Facilities

Y	N	N/A	NFI	
X				Aerial Facilities
			X	Underground facilities
			X	Anticipated utility impacts – beyond resetting castings and heads
	X			Are any utility poles on the safety list for frequent crashes?

Comments:

F. Access

Y	N	N/A	NFI	
	X			Are driveways present within the project limits?
	X			Driveway review conducted?
	X			Will pavement recommendation require application of the Access Code? (Reconstruction)

Comments:

G. ITS

Y	N	N/A	NFI	
X				CCTV
X				DMS
X				<Other Components>

Comments:

2 DMS (ground - mounted) - 1 on Rt. 33 EB before Rt. 33B split and 1 on Rt. 33 EB before Rt. 9 and 2 CCTV - at same locations. Fiber optic connection between ITS locations and Freehold – Rt. 33B to Rt. 9 (approx. 3.2 miles)

H. Drainage, Safety and Miscellaneous

Y	N	N/A	NFI	
		X		Guide Rail
X				Guide Rail attachment to bridges; upgrade needed
		X		Lighting
		X		Fencing
		X		Substandard Geometric Features Identified
	X			Curbing, Signing, Pavement Markings

Comments:

I. Community Impacts

Y	N	N/A	NFI	
	X			Residential
	X			Business
	X			Schools
	X			Other (i.e., Malls, Entertainment Complexes, Churches, etc.)

Comments:

J. Public Involvement Action Plan

Y	N	N/A	NFI		30 days<FDS	30 days>Con.
		X		Officials Briefing		
		X		Public Information Center –Design		
		X		Public Information Center – Construction		
		X		Letters to Officials		

Comments:

K. Environmental Impacts/Concerns

Y	N	N/A	NFI	
	X			Historic Bridge/Corridor/District
	X			Wetlands Impact Possible
	X			Stream Encroachment Possible
	X			Hazardous Waste
	X			Other permits required
X				See attached environmental document for additional/more detailed impacts or concerns

Comments:

L. Consultation/Cross Check

Y	N	N/A	NFI	
X				Project Management
X				Maintenance and Operations
	X			Office of Community Relations
	X			Communications
X				PRS
				<Other>

Comments:

Appendix G- Technical Reports

StructNum: 1304157

NJDOT SI and A Sheet

Name: ROUTE NJ 33 OVER MANALAPAN BROOK				S.R.: 31.8				SD/FO: N							
IDENTIFICATION								INSPECTION							
1 State: 34 New Jersey		9 Street Num: 1364157		91 Frequency: 48 months		90 Inspection Date: 6/3/2009		Next Inspection: 06/03/2010							
7 Facility Carried: ROUTE 33		9 Location: 0.3 MI. E OF CR 527		92A FC Frequency: NA		95A FC Inspection Date: NA		Next FC Inspection: NA							
5A Rise (On/Under): Route On Structure		5B Rise, Signing Profile: 3-Store Hwy		92B UW Frequency: NA		99B UW Inspection Date: NA		Next UW Inspection: NA							
5D Level of Service: 1- Mainline		5D Rise Number: 00033		92C SI Frequency: NA		99C SI Date: NA		Next SI: NA							
5E Directional Suffix: 0- Not Applicable		5F Responsibility: NA		Element Frequency: 48 months		Element Inspection Date: 06/03/2009		Next Elem. Insp. Date: 06/03/2010							
2 SHD District: 00- Central		9 County Code: Nonmouth													
4 Place Code: Manalapan (Township of)		11 Mile Post: 24.920 mi													
6 Feature Intersected: MANALAPAN CREEK															
16 Latitude: 45d 15' 14.02"		17 Longitude: 074d 20' 08.24"													
98 Borec Bridge Code: -1 Unknown (P)															
99 Borec Bridge Number: NA															
STRUCTURE TYPE AND MATERIALS															
45 Number of Approach Spans: ()				45 Number of Spans Main Unit: 1											
45A Main Span Material Design															
1-Concrete				19 Culvert (in/out)											
107 Deck Type: N-NA (NEI)															
108A Wearing Surface: N-NA (no deck (NEI))															
108B Membrane: N-NA (no deck (NEI))															
108C Deck Protection: N-NA (no deck (NEI))															
AGE AND SERVICE															
27 Year Built: 1900		136 Year Reconstructed: 1973													
42A Type of Service On: 1-Highway															
42B Type of Service Under: 5-Waterway															
28A Lanes on: 6		28B Lanes Under: 0		19 Detour Length: 0.4 mi											
29 ADT: 90,000		109 Truck ADT: 4%		30 Year of ADT: 2009											
GEOMETRIC DATA															
48 Length Max Span: 8.0 ft		49 Structure Length: 8.0 ft													
50A Curb/Sidek Width L: 0.0 ft		59B Curb/Sidewalk Width R: 0.0 ft													
51 Width Curb to Curb S1: 0.0 ft		52 Width Cut to Cut: 0.0 ft													
52 Approach Roadway Width: 18 ft		53 Median: 3 Closed Med w/Barriers													
Deck Area: sq. ft															
54 Skew: 5.00 °		35 Structure Flared: 0-No flare													
59 Minimum Vertical Clearance Over Bridge: 9999															
54A Minimum Vertical Underclearance Reference: N-Feature not Hwy or RR															
54B Minimum Vertical Underclearance: 0.0 ft															
55A Minimum Lateral Underclearance Reference R: N-Feature not Hwy or RR															
55B Minimum Lateral Underclearance R: 0.0 ft															
56 Minimum Lateral Underclearance L: 0.0 ft															
PROPOSED IMPROVEMENTS															
54 Bridge Cost: \$119,000		75 Type of Work: 35													
55 Roadway Cost: \$60,000		76 Length of Improvement: 10 ft													
59 Total Cost: \$251,000		114 Future ADT: 95,000													
57 Year of Cost Estimate: 2009		115 Year of Future ADT: 2029													
NAVIGATION DATA															
36 Navigation Control: 0		0-Permit Not Required													
36 Vertical Clearance: 0.0 ft		40 Horizontal Clearance: 0.0 ft													
111 Pier Protection: Not Applicable		116 Lift Bridge Vertical Clearance													

ELEMENT CONDITION STATE DATA

Str	Unit	Elm/Enw	Description	Units	Total Qty	% in 1	Qty. St. 1	% in 2	Qty. St. 2	% in 3	Qty. St. 3	% in 4	Qty. St. 4	% in 5	Qty. St. 5
0	241/3		Concrete Culvert	(LF)	167	90 %	150	10 %	17	0 %	0	0 %	0	0 %	0

StructNum: 1331151

NJDOT SI and A Sheet

Name: WEMROCK ROAD OVER RT33 FREEWAY

S.R.: 75.5 SD/FO- 2 -Functionally Obsolete

IDENTIFICATION				INSPECTION			
1 State:	34 New Jersey	8 Struct Num:	1331151	91 Frequency:	24 months	90 Inspection Date:	7/20/2009
7 Facility Carried:	WEMROCK ROAD	9 Location:	0.91 MI WEST OF RT537	Next Inspection:	07/20/2011		
5A Rte./Km/Under:	Route On Structure	5B Rte. Signing Prefix:	8-Other (incl toll rds)	92A FC Frequency:	NA	93A FC Inspection Date:	NA
9C Level of Service:	0-None of the below	5D Rte. Number:	00000	Next FC Inspection:	NA		
9E Directional Suffix:	0-Not Applicable	1% Responsibility:	NA	92B LW Frequency:	NA	93B LW Inspection Date:	NA
2 SHD District:	02- Central	3 County Code:	Monmouth	Next LW Inspection:	NA		
4 Place Code:	Freehold (Township off)	11 Mile Post:	0.000 mi	92C SI Frequency:	NA	93C SI Date:	NA
6 Feature Intersected:	RT 33 FREEWAY			Next SI:	NA		
16 Latitude:	40d 15' 00.00"	17 Longitude:	074d 18' 38.00"	Element Frequency:	24 months	Element Inspection Date:	07/20/2009
98 Border Bridge Code:	-1 Unknown (P)			Next Elem. Insp. Date:	07/20/2011		
99 Border Bridge Number:	NA						
STRUCTURE TYPE AND MATERIALS				CLASSIFICATION			
46 Number of Approach Spans:	0	45 Number of Spans Main Unit:	2	100 STRAHNET Highway:	0-Not a STRAHNET hwy	101 Parallel Structure:	N-No (bridge exists
43A/B Main Span Material/Design:				102 Direction of Traffic:	2-2-way traffic	103 Temporary Structure:	_ Blank
3-Steel		02-Stringer/Girder		104 Highway System:	0-Not on NHS	112 NBIS Length:	Y- Long Enough
107 Deck Type:	1- Conc.- Cast-in-Place			20 Toll Facility:	3-On free road	26 Functional Class:	19-Urban Local
108A Wearing Surface:	1- Monolithic Concrete			37 Historical Significance:	4-Has sign not deterns.		
108B Membrane:	0-None			22 Owner:	01 NJDOT		
108C Deck Protection:	0-None			21 Custodian:	01 NJDOT		
AGE AND SERVICE				CONDITION			
27 Year Built:	1974	106 Year Reconstructed:	0	55 Deck:	6-Satisfactory	56 Super:	8-Very Good
42A Type of Service On:	5-Highway-pedestrian			60 Sub:	7-Good		
42B Type of Service Under:	1-Highway			62 Culvert:	N-Not applicable	61 Channel/Channel Protection:	N-Not applicable
26A Lanes on:	4	26B Lanes Under:	6				
29 ADT:	3,982	109 Truck ADT:	1 %				
		30 Year of ADT:	2007				
GEOMETRIC DATA				LOAD RATING AND POSTING			
48 Length Max. Span:	135.0 ft	49 Structure Length:	275.0 ft	65 Inventory Rating Method:	1-LF Load Factor	63 Opening Rating Method:	1-LF Load Factor
50A Curb/SideWk Width L:	1.5 ft	50B Curb/SideWk Width R:	6.0 ft	66 Inventory Rating:	HS15.0	64 Opening Rating:	HS14.0
Width Curb to Curb SL:	50.0 ft	52 Width Out to Out:	61.6 ft	31 Design Load:	6-MS 18(HS20)-mod	70 Posting:	5 At/Above Legal Loads
32 Approach Roadway Width:	50 ft	33 Median:	0 No median	41 Posting status:	A-Open, no restriction		
Deck Area:	16,005 sq. ft						
34 Slope:	45.00 °	35 Structure Flared:	0-No flare				
53 Minimum Vertical Clearance Over Bridge:	9009						
54A Minimum Vertical Underclearance Reference:	H-Hwy beneath struct						
54B Minimum Vertical Underclearance:	14.67 ft						
55A Minimum Lateral Underclearance Reference R:	H-Hwy beneath struct						
55B Minimum Lateral Underclearance R:	34.50 ft						
56 Minimum Lateral Underclearance L:	16.50 ft						
APPRAISAL				PROPOSED IMPROVEMENTS			
26A Bridge Rail:	0-Substandard	36C Approach Rail:	0-Substandard	94 Bridge Cost:	\$675,000	75 Type of Work:	36
26B Transition:	0-Substandard	36D Approach Rail Ends:	1-Meets Standards	95 Roadway Cost:	\$175,000	76 Length of Improvement:	275 ft
67 Str. Evaluation:	7	68 Deck Geometry:	3 Intolerable - Correct	96 Total Cost:	\$1,255,000	114 Future ADT:	4,418
69 Underclearance, Vertical and Horizontal:	3-Intolerable - Correct			97 Year of Cost Estimate:	2009	115 Year of Future ADT:	2027
71 Waterway Adequacy:	N-Not applicable	72 Approach Alignment:	6-Equal Mix Criteria				
113 Scour Critical:	N-Not Over Waterway						
NAVIGATION DATA							
38 Navigation Control:	N N-NA-No waterway						
39 Vertical Clearance:	0.0 ft	40 Horizontal Clearance:	0.0 ft				
111 Pier Protection:	_ Not Applicable	116 Lift Bridge Vertical Clearance:					

ELEMENT CONDITION STATE DATA

Str Unit	Elm/Em	Description	Units	Total Qty	% in 1	Qty. St. 1	% in 2	Qty. St. 2	% in 3	Qty. St. 3	% in 4	Qty. St. 4	% in 5	Qty. St. 5
0	12/3	Bare Concrete Deck	(SF)	16,995	0 %	0	100 %	16,995	0 %	0	0 %	0	0 %	0

NJDOT Inspection_SIA_English_No

Sat 9/19/2006

(v1.1)

F

StructNum: 1331152

NJDOT SI and A Sheet

Name: CR.537 & RAMPS WN,ES OVER NJ 33F

S.R.: 75.7 SD/FO- 2 -Functionally Obsolete

IDENTIFICATION				INSPECTION			
1 State:	34 New Jersey	2 Struct Num:	1331152	91 Frequency:	24 months	90 Inspection Date:	4/29/2010 Next Inspection: 04/29/2012
7 Facility Name:	CR537 & RAMPS	5 Location:	0.90 MW 537 OF US9	90A HU Frequency:	NA	90A HU Inspection Date:	NA Next HU Inspection: NA
5A Pier/On/Under:	Route On Structure	5B Rte. Signing Refers:	4-County Hwy	90B LW Frequency:	NA	90B LW Inspection Date:	NA Next LW Inspection: NA
5C Level of Service:	1-Mainline	5D Rte. Number:	0007	90C SI Frequency:	NA	90C SI Date:	NA Next SI: NA
5E Directional Suffix:	0-Not Applicable	5F Responsibility:	Unknown	Client Frequency:	24 months	Client Inspection Date:	3/4/2010 Next Client Insp. Due: 04/24/2012
2 SMD District:	05-Centra	3 County Code:	Monmouth				
4 Place Code:	Freehold (Township)	1 Mile Post:	50.810 mi				
6 Feature Intersected:	NJ RT 33 FREEWAY						
10 Latitude:	40d 14' 49.50"	17 Longitude:	074d 17' 42.22"				
99 Border Bridge Code:	-2 Not Applicable (P)						
99 Border Bridge Number:							
STRUCTURE TYPE AND MATERIALS				CLASSIFICATION			
4a Number of Approach Spans: 12				4b Number of spans main unit: 2			
43A/2 Main Span Material/Design:							
3-Steel				01-Stringer/Girder			
10T Deck Type:				1-Conc.-Cast in Place			
103A Wearing Surface:				1-Monolithic Concrete			
103B Membrane:				0-None			
103C Deck Protection:				0-None			
AGE AND SERVICE				CONDITION			
27 Year Built:				1974			
106 Year Reconstructed:				-4			
42A Type of Service On:				5-Highway pedestrian			
42B Type of Service Under:				1-Highway			
28A Lanes on:				28B Lanes Under: 0			
12 Detour Length:				1.0 mi			
29 ADT:				12,425			
109 Truck ADT:				4%			
30 Year of ADT:				2010			
GEOMETRIC DATA				LOAD RATING AND POSTING			
49 Length Main Span:				95.0 ft			
49 Structure Length:				194.0 ft			
53A Gurb/SideWk Width L:				1.5 ft			
53B Gurb/SideWk Width R:				0.0 ft			
Width Gurb to Gurb L:				50.0 ft			
52 Width Cut to Cut:				61.8 ft			
44 Approach Roadway Width:				54.0 ft			
44 Median:				4.0 ft median			
Deck Area:				11,950 sq. ft			
24 Slope:				17.03 %			
25 Structure Floor:				1-Yes, fixed			
50 Minimum Vertical Clearance Over Bridge:				999			
54A Minimum Vertical Underclearance Reference:				H-Hwy beneath struct			
54B Minimum Vertical Underclearance:				14.75 ft			
55A Minimum Lateral Underclearance Reference R:				H-Hwy beneath struct			
55B Minimum Lateral Underclearance R:				27.33 ft			
56 Minimum Lateral Underclearance L:				17.62 ft			
APPRAISAL				PROPOSED IMPROVEMENTS			
40A Bridge Eval:				0-Substandard			
40B Approach Eval:				0-Substandard			
30B Transition:				0-Substandard			
30D Approach Rd End:				1-Meets Standards			
67 Str. Evaluation:				7			
68 Deck Geometry:				4-Tolerable			
69 Underclearance Vertical and Horizontal:				3-Intolerable - Correct			
71 Waterway Adequacy:				N-Not applicable			
72 Approach Alignment:				3-Slight Desirable Crt			
112 Span Critical:				N-Not Over Waterway			
94 Bridge Cost:				\$640,000			
95 Roadway Cost:				\$200,000			
96 Total Cost:				\$1,240,000			
97 Year of Cost Estimate:				2010			
73 Type of Work:				38			
75 Length of Improvement:				194 ft			
114 Future ADT:				18,850			
115 Year of Future ADT:				2030			
NAVIGATION DATA							
58 Navigation Control:				N N-NA No Waterway			
59 Vertical Clearance:				0.0 ft			
40 Horizontal Clearance:				0.0 ft			
111 Pier Protection:				_ No Applicable			
116 LR Bridge Vertical Clearance:							

ELEMENT CONDITION STATE DATA

Str Unit	Elm/Env	Description	Units	Total Qty	% in 1	Qty. St. 1	% in 2	Qty. St. 2	% in 3	Qty. St. 3	% in 4	Qty. St. 4	% in 5	Qty. St. 5
0	12'S	Base Concrete Deck	(SF)	1,989	0%	0	100%	11,989	0%	0	0%	0	0%	0

NJDOT Inspection_SIA_English_No

Mon 11/1/2010

(v1.1)

F

StructNum: 1331153

NJDOT SI and A Sheet

Name: NJ 33 FRWY WB OVER US 9

S.R.: 77.6 SD/FO: 0 - Not Deficient

IDENTIFICATION				INSPECTION			
1 State:	34 New Jersey	2 Struct Num:	1331153	91 Frequency:	24 months	90 Inspection Date:	5/17/2010
3 Facility Name:	NJ 33 FRWY WB	4 Location:	0.4 MI WEST OF NJ 133	Next Inspection:	05/17/2012	92A FO Frequency:	NA
5A Rte (On/Under):	Route On Structure	5B Rte. Spring Prefix:	0 - State Hwy	92B FO Inspection Date:	NA	Next FO Inspection:	NA
6C Level of Service:	1 - Mainline	5C Rte. Number:	0000P	92B LW Frequency:	NA	92B LW Inspection Date:	NA
5E Directional Suffix:	0 - Not Applicable	6 Responsibility:	Unknown	Next LW Inspection:	NA	92C SI Frequency:	NA
2 S&D District:	00 - Central	9 County Code:	Monmouth	92C SI Date:	NA	Next SI:	NA
4 Place Code:	Freehold (Township)	11 Mile Post:	27.543 mi	Element Frequency:	24 months	Element Inspection Date:	05/17/2010
6 Feature Intersected:	US 9	17 Longitude:	074d 14' 42.00"	Next Elem. Insp. Due:	05/17/2012		
10 Latitude:	40d 14' 50.40"						
5B Border Bridge Code:	-2 Not Applicable (P)						
5C Border Bridge Number:							
STRUCTURE TYPE AND MATERIALS				CLASSIFICATION			
4E Number of Approach Spans:	0	4F Number of Spans Main Unit:	2	100 STRAIGHT Highway:	0 - Not a STRAIGHT Hwy	101 Parallel Structure:	L - Left of () bridge
43A/G Main Span Material/Design:				102 Direction of Traffic:	1 - 1-way traffic	103 Temporary Structure:	_ Blank
5 - Steel		52 - Stringer/Girder		104 Highway System:	1 - On the NHS	112 NBIS Length:	Y - Long Enough
107 Deck Type:	1 - Conc./Cast in Place			20 Toll Facility:	3 - On free road	25 Functional Class:	12 - Urban Reg/Express
108A Wearing Surface:	1 - Monolithic Concrete			37 Historical Significance:	4 - Not sign not detem.		
108B Membrane:	0 - None			38 Owner:	01 NJDOT		
108C Deck Protection:	0 - None			39 Custodian:	01 NJDOT		
AGE AND SERVICE				CONDITION			
27 Year Built:	1974	10E Year Reconstructed:	-4	58 Deck:	0 - Satisfactory	59 Super:	7 - Good
42A Type of Service On:	1 - Highway			62 Culvert:	N - Not applicable	61 Channel/Channel Protection:	N - Not applicable
42B Type of Service Under:	1 - Highway						
28A Lanes on:	4	28B Lanes Under:	4				
29 ADT:	18,100	10F Truck ADT:	5 %				
30 Year of ADT:	2038						
GEOMETRIC DATA				LOAD RATING AND POSTING			
46 Length Main Span:	113.0 ft	48 Structure Length:	225.0 ft	63 Inventory Rating Method:	1 - LF Load Factor	60 Operating Rating Method:	1 - LF Load Factor
53A Curb/SideW. With L:	0.8 ft	53B Curb/SideW. With R:	0.8 ft	62 Inventory Rating:	H551.0	64 Operating Rating:	H566.0
Width Curb to Curb SL:	55.0 ft	52 Width Curb to Curb:	55.0 ft	31 Design Load:	0 - MS18/H5020-mod	70 Posting:	5 - All Above Legal Loads
52 Approach Roadway Width:	55 ft	53 Median:	0 No median	41 Posting status:	A - Open, no restriction		
Deck Area:	13,117.5 sq. ft						
24 Slope:	45.00 %	25 Structure Flared:	0 - No flare				
55 Minimum Vertical Clearance Over Bridge:	9999						
54A Minimum Vertical Underspace Reference:	H - Hwy beneath struct						
54B Minimum Vertical Underspace:	14.75 ft						
55A Minimum Lateral Underspace Reference R:	H - Hwy beneath struct						
55B Minimum Lateral Underspace R:	18.00 ft						
55C Minimum Lateral Underspace L:	9.00 ft						
PROPOSED IMPROVEMENTS				NAVIGATION DATA			
64 Bridge Cost:	(\$)	75 Type of Work:	-1	93 Navigation Control:	N - N/A No Waterway	40 Horizontal Clearance:	0.0 ft
65 Roadway Cost:	(\$)	76 Length of Improvement:	-3 ft	96 Vertical Clearance:	0.0 ft	116 Ltr Bridge Vertical Clearance:	
66 Total Cost:	(\$)	114 Future ADT:	21,750	111 Pier Protection:	_ Not Applicable		
67 Year of Cost Estimate:	0	115 Year of Future ADT:	2038				

ELEMENT CONDITION STATE DATA

Str Unit	Elem/Env	Description	Units	Total Qty	% in 1	Qty. St. 1	% in 2	Qty. St. 2	% in 3	Qty. St. 3	% in 4	Qty. St. 4	% in 5	Qty. St. 5
0	12/0	Base Concrete Deck	(CFT)	10,910	0 %	0	100 %	10,910	0 %	0	0 %	0	0 %	0

StructNum: 1332150

NJDOT SI and A Sheet

Name: NJ 33 WB OVER NJ 79

S.R.: 92.9 SD/FO: 0 - Not Deficient

IDENTIFICATION				INSPECTION			
1 State:	34 New Jersey	2 Struct Num:	1332150	91 Frequency:	24 months	92 Inspection Date:	7/23/2009
7 Facility Carried:	NJ ROUTE 33F WB	9 Location:	0.2M SA BT OF US9	Next Inspection:	07/20/2011		
5A Rte (On/Under):	Route On Structure	5B Rte. Signing Perfor:	2 - State Hwy	93A FC Frequency:	NA	93A FC Inspection Date:	NA
5C Level of Service:	1 - Mainline	5D Rte. Number:	00002	Next FC Inspection:	NA		
5E Directional Suffix:	0 - Not Applicable	9A Responsibility:	NA	93B LW Frequency:	NA	93B LW Inspection Date:	NA
2 S&D District:	00 - Central	9B Sign SI:	NA	Next LW Inspection:	NA		
4 Place Code:	Freehold, Monmouth	3 County Code:	Monmouth	93C SI Frequency:	NA	93C SI Date:	NA
6 Feature Intersected:	NJ 85 URG 79	11 Mile Post:	27.693 mi	Next SI:	NA		
10 Latitude:	43d 14' 30.00"	17 Longitude:	074d 15' 35.00"	Client Frequency:	24 months	Client Inspection Date:	07/20/2009
94 Border Bridge Code:	-2 Not Applicable (P)			Next Client Insp. Due:	07/20/2011		
95 Border Bridge Number:	NA						
STRUCTURE TYPE AND MATERIALS				CLASSIFICATION			
43 Number of Approach Spans:	0	45 Number of Open Main Units:	1	100 STRAIGHT Highway:	0 - Not a STRAIGHT Hwy	101 Parallel Structure:	1 - Left of () Bridge
43A'S Main Span Material/Design:				102 Direction of Traffic:	1 - 4-way traffic	102 Temporary Structure:	0 - Blank
3 - Steel		02 - Granger/Gider		104 Highway System:	1 - On the NMS	112 NBIS Length:	Y - Long Enough
				20 Toll Facility:	0 - On free road	20 Functional Class:	12 - Urban Freeway
				37 Historical Significance:	4 - Not sign not determ.		
				22 Owner:	01 NJDOT		
				21 Custodian:	01 NJDOT		
AGE AND SERVICE				CONDITION			
27 Year Built:	1974	106 Year Reconstructed:	4	58 Deck:	7 - Good	59 Support:	7 - Good
42A Type of Service On:	1 - Highway			60 Sub:	7 - Good		
42B Type of Service Under:	1 - Highway			62 Culvert:	N - Not applicable	61 Channel/Channel Protection:	N - Not applicable
28A Lanes on:	4	28B Lanes Under:	4				
28 ADT:	13,625	108 Truck ADT:	5 %				
		30 Year of ADT:	2037				
GEOMETRIC DATA				LOAD RATING AND POSTING			
49 Length Main Span:	110.0 ft	49 Structure Length:	115.0 ft	65 Inventory Rating Method:	1 - LF Load Factor	63 Operating Rating Method:	1 - LF Load Factor
53A Curb-to-Curb Width:	0.0 ft	53B Curb-to-Shoulder Width:	0.0 ft	66 Inventory Rating:	H46.0	64 Operating Rating:	H47.0
53C Curb-to-Curb SI:	007 ft	53D Curb-to-Curb SI:	02.5 ft	67 Design Load:	5 - MS 18 (HS 20)	70 Posting:	5 - Above Legal Loads
52 Approach Roadway Width:	56 ft	52 Median:	0 No median	48 Posting status:	A - Open, no restriction		
54 Deck Area:	7,642.3 sq. ft						
54 Slab:	2.00 "	55 Structure Floor:	1 - Yes, Solid				
53 Minimum Vertical Clearance Over Bridge:	000						
54A Minimum Vertical Underclearance Reference:	H-Hwy beneath struct						
54B Minimum Vertical Underclearance:	14.00 ft						
55A Minimum Lateral Underclearance Reference R:	H-Hwy beneath struct						
55B Minimum Lateral Underclearance R:	14.00 ft						
56 Minimum Lateral Underclearance L:	0.00 ft						
PROPOSED IMPROVEMENTS				NAVIGATION DATA			
94 Bridge Cost:	(\$0)	75 Type of Work:	-1	92 Navigation Control:	N - N/A Nonwaterway		
95 Roadway Cost:	(\$0)	76 Length of Improvement:	-3 ft	93 Vertical Clearance:	0.0 ft	40 Horizontal Clearance:	0.0 ft
96 Total Cost:	(\$0)	114 Future ADT:	20,000	111 Pier Protection:	0 - Not Applicable	112 Lb Bridge Vertical Clearance:	
97 Year of Cost Estimate:	-1	115 Year of Future ADT:	2037				

ELEMENT CONDITION STATE DATA

Str Unit	Elm/Env	Description	Units	Total Qty	% in 1	Cty. St. 1	% in 2	Cty. St. 2	% in 3	Cty. St. 3	% in 4	Cty. St. 4	% in 5	Cty. St. 5
0	12/3	Bare Concrete Deck	(SF)	7,642	100 %	7,642	0 %	0	0 %	0	0 %	0	0 %	0

NJDOT Inspection_SIA_English_No

Sat 8/12/2010

(v1.1)

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StructNum: 1332151

NJDOT SI and A Sheet

Name: NJ ROUTE 33 FRW'Y EB OVER NJ RT 79

S.R.: 98 SD/FO: 0-Not Deficient

IDENTIFICATION

1 State: NJ New Jersey 8 State Name: 1332151
 7 Facility Name: NJ RT 33 FWY 99 9 Location: 0.2 MI EAST OF US 9
 5A Rail/On/Under: Road On Structure 5B Rail Spring Ratio: 2 -State Hwy
 5C Level of Service: 1 -Metrolink 5D Rail Number: 0033F
 5E Directional Suffix: 0 -Not Applicable 5F Responsibility: Unknown
 2 S&D District: 00 -Central 3 County Code: Monmouth
 4 Place Code: Freehold (Township of) 11 Mile Post: 27.693 mi
 6 Feature Intersected: NJ RT 79
 10 1 vehicle: 454 L&S 10' 17' Length: 87.44 L&S 17' 17"
 58 Border Bridge Code: -1 -Unknown (P)
 59 Border Bridge Number:

INSPECTION

81 Frequency: 24 months 82 Inspection Date: 7/14/2009 Next Inspection: 07/14/2011
 92A FC Frequency: NA 92A FC Inspection Date: NA Next FC Inspection: NA
 92B LW Frequency: NA 92B LW Inspection Date: NA Next LW Inspection: NA
 92C SI Frequency: NA 92C SI Date: NA Next SI: NA
 Element Frequency: 24 months Element Inspection Date: 07/14/2009 Next Elem Insp. Due: 07/14/2011

CLASSIFICATION

100 STRAIGHT Highway: 0 -Not a STRAIGHT Hwy 101 Parallel Structure: R -Right of [] bridge
 102 Direction of Traffic: 1 -1-lane traffic 103 Temporary Structure: Blank
 104 Highway System: 1 -On the NHS 112 NBIS Length: Y -Long Span
 20 Toll Facility: 3 -On free road 25 Functional Class: 12 -Urban Freeway
 37 Historical Significance: 4 -Not sign not defined
 38 Owner: 01 NJDOT
 39 Custodian: 01 NJDOT

STRUCTURE TYPE AND MATERIALS

46 Number of Approach Spans: 0 48 Number of Spans Main Unit: 1
 49A/G Main Span Material/Design:
 5 -Steel 52 -Stringer/Gider

CONDITION

58 Deck: 7 -Good 59 Super: 7 -Good 60 Sub: 7 -Good
 62 Culvert: N -Not applicable 61 Channel/Channel Protection: N -Not applicable

LOAD RATINGS AND POSTING

65 Inventory Rating Method: 1 -LF Load Factor 66 Operating Rating Method: 1 -LF Load Factor
 68 Inventory Rating: HS20-8 64 Operating Rating: HS20-8
 71 Design Load: 8 -MS18/MS22-mod 73 Posting: 5 -AIA above Legal Loads
 41 Posting status: A -Good, no restriction

APPRAISAL

95A Bridge Rail: 0 -Substandard 96C Approach Rail: 0 -Substandard
 96B Transition: 0 -Substandard 96D Approach Rail Ends: 1 -Meets Standards
 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 1045 1046 1047 1048 1049 1050 1051 1052 1053 1054 1055 1056 1057 1058 1059 1060 1061 1062 1063 1064 1065 1066 1067 1068 1069 1070 1071 1072 1073 1074 1075 1076 1077 1078 1079 1080 1081 1082 1083 1084 1085 1086 1087 1088 1089 1090 1091 1092 1093 1094 1095 1096 1097 1098 1099 1100 1101 1102 1103 1104 1105 1106 1107 1108 1109 1110 1111 1112 1113 1114 1115 1116 1117 1118 1119 1120 1121 1122 1123 1124 1125 1126 1127 1128 1129 1130 1131 1132 1133 1134 1135 1136 1137 1138 1139 1140 1141 1142 1143 1144 1145 1146 1147 1148 1149 1150 1151 1152 1153 1154 1155 1156 1157 1158 1159 1160 1161 1162 1163 1164 1165 1166 1167 1168 1169 1170 1171 1172 1173 1174 1175 1176 1177 1178 1179 1180 1181 1182 1183 1184 1185 1186 1187 1188 1189 1190 1191 1192 1193 1194 1195 1196 1197 1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213 1214 1215 1216 1217 1218 1219 1220 1221 1222 1223 1224 1225 1226 1227 1228 1229 1230 1231 1232 1233 1234 1235 1236 1237 1238 1239 1240 1241 1242 1243 1244 1245 1246 1247 1248 1249 1250 1251 1252 1253 1254 1255 1256 1257 1258 1259 1260 1261 1262 1263 1264 1265 1266 1267 1268 1269 1270 1271 1272 1273 1274 1275 1276 1277 1278 1279 1280 1281 1282 1283 1284 1285 1286 1287 1288 1289 1290 1291 1292 1293 1294 1295 1296 1297 1298 1299 1300 1301 1302 1303 1304 1305 1306 1307 1308 1309 1310 1311 1312 1313 1314 1315 1316 1317 1318 1319 1320 1321 1322 1323 1324 1325 1326 1327 1328 1329 1330 1331 1332 1333 1334 1335 1336 1337 1338 1339 1340 1341 1342 1343 1344 1345 1346 1347 1348 1349 1350 1351 1352 1353 1354 1355 1356 1357 1358 1359 1360 1361 1362 1363 1364 1365 1366 1367 1368 1369 1370 1371 1372 1373 1374 1375 1376 1377 1378 1379 1380 1381 1382 1383 1384 1385 1386 1387 1388 1389 1390 1391 1392 1393 1394 1395 1396 1397 1398 1399 1400 1401 1402 1403 1404 1405 1406 1407 1408 1409 1410 1411 1412 1413 1414 1415 1416 1417 1418 1419 1420 1421 1422 1423 1424 1425 1426 1427 1428 1429 1430 1431 1432 1433 1434 1435 1436 1437 1438 1439 1440 1441 1442 1443 1444 1445 1446 1447 1448 1449 1450 1451 1452 1453 1454 1455 1456 1457 1458 1459 1460 1461 1462 1463 1464 1465 1466 1467 1468 1469 1470 1471 1472 1473 1474 1475 1476 1477 1478 1479 1480 1481 1482 1483 1484 1485 1486 1487 1488 1489 1490 1491 1492 1493 1494 1495 1496 1497 1498 1499 1500 1501 1502 1503 1504 1505 1506 1507 1508 1509 1510 1511 1512 1513 1514 1515 1516 1517 1518 1519 1520 1521 1522 1523 1524 1525 1526 1527 1528 1529 1530 1531 1532 1533 1534 1535 1536 1537 1538 1539 1540 1541 1542 1543 1544 1545 1546 1547 1548 1549 1550 1551 1552 1553 1554 1555 1556 1557 1558 1559 1560 1561 1562 1563 1564 1565 1566 1567 1568 1569 1570 1571 1572 1573 1574 1575 1576 1577 1578 1579 1580 1581 1582 1583 1584 1585 1586 1587 1588 1589 1590 1591 1592 1593 1594 1595 1596 1597 1598 1599 1600 1601 1602 1603 1604 1605 1606 1607 1608 1609 1610 1611 1612 1613 1614 1615 1616 1617 1618 1619 1620 1621 1622 1623 1624 1625 1626 1627 1628 1629 1630 1631 1632 1633 1634 1635 1636 1637 1638 1639 1640 1641 1642 1643 1644 1645 1646 1647 1648 1649 1650 1651 1652 1653 1654 1655 1656 1657 1658 1659 1660 1661 1662 1663 1664 1665 1666 1667 1668 1669 1670 1671 1672 1673 1674 1675 1676 1677 1678 1679 1680 1681 1682 1683 1684 1685 1686 1687 1688 1689 1690 1691 1692 1693 1694 1695 1696 1697 1698 1699 1700 1701 1702 1703 1704 1705 1706 1707 1708 1709 1710 1711 1712 1713 1714 1715 1716 1717 1718 1719 1720 1721 1722 1723 1724 1725 1726 1727 1728 1729 1730 1731 1732 1733 1734 1735 1736 1737 1738 1739 1740 1741 1742 1743 1744 1745 1746 1747 1748 1749 1750 1751 1752 1753 1754 1755 1756 1757 1758 1759 1760 1761 1762 1763 1764 1765 1766 1767 1768 1769 1770 1771 1772 1773 1774 1775 1776 1777 1778 1779 1780 1781 1782 1783 1784 1785 1786 1787 1788 1789 1790 1791 1792 1793 1794 1795 1796 1797 1798 1799 1800 1801 1802 1803 1804 1805 1806 1807 1808 1809 1810 1811 1812 1813 1814 1815 1816 1817 1818 1819 1820 1821 1822 1823 1824 1825 1826 1827 1828 1829 1830 1831 1832 1833 1834 1835 1836 1837 1838 1839 1840 1841 1842 1843 1844 1845 1846 1847 1848 1849 1850 1851 1852 1853 1854 1855 1856 1857 1858 1859 1860 1861 1862 1863 1864 1865 1866 1867 1868 1869 1870 1871 1872 1873 1874 1875 1876 1877 1878 1879 1880 1881 1882 1883 1884 1885 1886 1887 1888 1889 1890 1891 1892 1893 1894 1895 1896 1897 1898 1899 1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 243

StructNum: 1332152

NJDOT SI and A Sheet

Name: ROUTE 33 OVER W. BR. APPLGATE CREEK

S.R.: 82.2 SD/FO: N

IDENTIFICATION				INSPECTION			
1 State	2a New Jersey	3 State Name	1000100	41 Frequency	4a monthly	4b Inspection Date	4c Status
7 Facility Design	ROUTE 33	8 Location	0.1 M. S. OF RT 79	4d Next Inspection	4e Status	4f Status	4g Status
9A (Rte) On Under	Route On Structure	9B Rte. Spring Rate	0 - State Key	10A FC Frequency	NA	10A FC Inspection Date	NA
10 Level of Service	1 - Minor	10 Rte. Number	0000	10B LM Frequency	NA	10B LM Inspection Date	NA
11 Directional Service	0 - Not Applicable	12 Responsibility	NA	10C SI Frequency	NA	10C SI Date	NA
2 SHD District	00 - District	3 County Code	Monmouth	Element Frequency	4a monthly	Element Inspection Date	4b Status
4 Place Code	Residential (Township 01)	11 Mile Post	00.0000	Next Elem. Insp. Date	4c Status	4d Status	4e Status
5 Feature Intersected	W. BR. APPLGATE CREEK			CLASSIFICATION			
16 Latitude	40.143333	17 Longitude	074.043333	101 STRAIGHT Highway	0 - Not a STRAIGHT Hwy	102 Parallel Structure	0 - No (Bridge) or 1 - Yes
18 Bridge Code	0 - Unknown (F)			103 Direction of Traffic	0 - One-way traffic	104 Temporary Structure	0 - Blank
19 Bridge Number	NA			104 Highway System	1 - On the NHS	105 NBIS Length	0 - Too Short
				106 Toll Facility	0 - On free toll	106 Functional Class	10 - Urban Freeway
				107 Historical Significance	0 - Not eligible for NRHP		
				108 Owner	0 - NJDOT		
				109 Custodian	0 - NJDOT		
STRUCTURE TYPE AND MATERIALS				CONDITION			
20 Number of Approach spans	0	21 Number of Spans Main Unit	1	20 Deck	0 - Not Applicable	20 Super	0 - Not Applicable
22A Main Span Material Design				20 Sub	0 - Not Applicable	20 Deck	0 - Not Applicable
23 Concrete		23 Culvert (no firm sub)		20 Deck	0 - Minor Deterioration	20 Channel/Channel Protection	0 - Bank Slumping
24 Deck Type	0 - N/A (NBI)			LOAD RATING AND POSTING			
25A Missing Surface	0 - N/A (no data) (NG)			25 Inventory Rating Method	0 - AS Allowable Stress	25 Operating Rating Method	0 - AS Allowable Stress
25B Membrane	0 - N/A (no data) (NG)			26 Inventory Rating	0 - N/A	26 Operating Rating	0 - N/A
25C Deck Protection	0 - N/A (no data) (NG)			27 Design Load	0 - N/A (N/A) (not)	27 Posting	0 - Allowable Legal Loads
				27 Posting Status	0 - Open, no restriction		
AGE AND SERVICE				APPRAISAL			
28 Year Built	1988	28 Year Reconstructed	NA	28A Bridge Rail	0 - N/A or not required	28C Approach Rail	0 - Substandard
29A Type of Service On	0 - Highway			28B Transition	0 - N/A or not required	28D Approach Rail Grade	0 - Meets Standards
29B Type of Service Under	0 - Mainway			29 Gr. Evaluation	0 - Not applicable	29 Deck Geometry	0 - Not applicable
29A Lane in	0	29B Lane Under	0	29 Underpinning, Vertical and Horizontal	0 - Not applicable		
29A ADT	11,000	29B Truck ADT	0	29 Mainway Adequacy	0 - Above Desirable	29 Approach Alignment	0 - Equal Desirable Ctr.
29C Year of ADT	2000			29B Score Critical	0 - Below Above Rating		
GEOMETRIC DATA				PROPOSED IMPROVEMENTS			
30 Length Main Span	11.0 ft	30 Structure Length	11.0 ft	30 Bridge Cost	0	30 Type of Work	0 - Not
30A Curb Side/Width L	0.0 ft	30B Curb Side/Width R	0.0 ft	30 Roadway Cost	0	30 Length of Improvement	0 - Not
30C Width Curb to Curb	0.0 ft	30D Width Curb to Curb	0.0 ft	30 Total Cost	0	30 Future ADT	10,000
30E Approach Roadway Width	0.0 ft	30 Median	0 - Open median	30 Year of Cost Estimate	0	30 Year of Future ADT	2000
30F Deck Area	0.0 ft			NAVIGATION DATA			
30G Deck	0.0 ft	30 Structure Paved	0 - No lane	30 Navigation Control	0 - Permit Not Required		
30H Minimum Vertical Clearance Over Bridge	0.0 ft			30 Vertical Clearance	0.0 ft	30 Horizontal Clearance	0.0 ft
30I Minimum Vertical Underclearance Reference	0 - Feature not key or RR			30 Pier Protection	0 - Not Applicable	30 L1 Bridge Vertical Clearance	
30J Minimum Vertical Underclearance	0.0 ft						
30K Minimum Lateral Underclearance Reference R	0 - Feature not key or RR						
30L Minimum Lateral Underclearance R	0.0 ft						
30M Minimum Lateral Underclearance L	0.0 ft						

ELEMENT CONDITION STATE DATA

Str. Unit	Elem. ID	Description	Units	Total Qty	% in 1	Qty. St. 1	% in 2	Qty. St. 2	% in 3	Qty. St. 3	% in 4	Qty. St. 4	% in 5	Qty. St. 5
0	2410	Concrete Culvert	(LF)	100	100%	100	0%	0	0%	0	0%	0	0%	0

NJDOT Inspection_SIA_English_No

Thu 1/20/2011

(v1.1)

F

StructNum: 1332153

NJDOT SI and A Sheet

Name: WILLOWBROOK ROAD OVER NJ RT 33F

S.R.: 96.9 SD/FO: 0-Not Deficient

IDENTIFICATION

1 State: 04 New Jersey 2 Struct Num: 1332153
 3 Facility Coded: WILLOWBROOK ROAD 4 Location: 027 MI SA STOP US 9 JCT
 5A Rail/On Under: Focus On Structure 5B Rail Spring Rate: 0 - City Street
 6C Level of Service: 0 - None of the below 6D Rail Number: 00000
 7C Directional Safety: 0 - Not Applicable 7D Reasonability: Unknown
 8 SHD District: 00 Central 9 County Code: Monmouth
 4 Place Code: 000000 (Township 00)
 11 Mile Post: 0.000 mi
 12 Feature Intersected: N ROUTE 33 FREEWAY
 13 Latitude: 40 14 24.33 N 14 Longitude: 74 04 01.00 W
 14a Solder Bridge Code: 0 - Not Applicable (R)
 14b Solder Bridge Number: Unknown

STRUCTURE TYPE AND MATERIALS

15 Number of Approach Spans: 0 16 Number of Spans When Lvl: 2
 17A/B Span Span Material Design:
 18 - Steel 19 - Stringer/Slab
 19a Deck Type: 1 - Concrete Cast in Place
 19bA Wearing Surface: 1 - Bituminous Concrete
 19bB Membrane: 0 - None
 19c Deck Protection: 1 - Spray Coated Reinforcing

AGE AND SERVICE

20 Year Built: 1987 20A Year Reconstructed: 1987
 21A Type of Service On: 0 - Highway pedestrian
 21B Type of Service Under: 1 - Highway
 22A Lanes on: 2 22B Lanes Under: 4 23a Net Length: 1.2 mi
 23b ADT: 1000 23c Truck ADT: 1 % 23d Year of ADT: 2014

GEOMETRIC DATA

24 Length Bk to Bk: 10.00 ft 25 Structure Length: 200.0 ft
 26a Curb Side to Middle L: 4.0 ft 26b Curb Side to Middle R: 0.0 ft
 27a Middle Curb to Curb L: 12.0 ft 27b Middle Curb to Curb R: 12.0 ft
 28a Approach Roadway Width: 40.0 ft 28b Median: 0 Normal
 29 Deck Area: 10.00 sq ft
 30a Skew: 0.00 30b Structure Flexed: 0 - No Skew
 31a Minimum Vertical Clearance Over Bridge: 0000
 31b Minimum Vertical Underclearance Reference: 14 - Neg beneath struct
 31c Minimum Vertical Underclearance: 17.14 ft
 32a Minimum Lateral Underclearance Reference R: 14 - Neg beneath struct
 32b Minimum Lateral Underclearance R: 18.00 ft
 32c Minimum Lateral Underclearance L: 18.00 ft

INSPECTION

33 Frequency: 12 months 34 Inspection Date: 01/24/2010 Next Inspection: 01/24/2011
 35a FC Frequency: NA 35b FC Inspection Date: NA Next FC Inspection: NA
 36a LM Frequency: NA 36b LM Inspection Date: NA Next LM Inspection: NA
 37a SI Frequency: NA 37b SI Date: NA Next SI: NA
 38 Element Frequency: 12 months 39 Element Inspection Date: 01/24/2010 Next Elem. Insp. Due: 01/24/2011

CLASSIFICATION

100 STRAIGHT Highway: 0 - Not a STRAIGHT Hwy 101 Parallel Structure: 0 - No (1 bridge exists)
 102 Direction of Traffic: 0 - away traffic 103 Temporary Structure: 0 - None
 104 Highway System: 0 - Not on M42 105 RWS Length: 7 - Long Enough
 106 Toll Facility: 0 - On free road 107 Functional Class: 10 - Urban Local
 108 Historical Significance: 0 - Not eligible for NRHP
 109 Owner: 01 NJDOT
 110 Condition: 01 NJDOT

CONDITION

11a Deck: 0 - Very Good 11b Super: 1 - Good 11c Sub: 1 - Good
 11d Culvert: 0 - Not Applicable 11e Channel/Channel Protection: 0 - Not Applicable

LOAD RATING AND POSTING

12a Inventory Rating Method: 1 - LR Load Factor 12b Operating Rating Method: 1 - LR Load Factor
 12c Inventory Rating: 0.00 12d Operating Rating: 0.00
 13a Design Load: 0 - None/Good + most 13b Posting: 0 - All Above Legal Loads
 13c Posting Status: 0 - Open, no restriction

APPRAISAL

39A Bridge Deck: 0 - Substandard 39B Approach Rail: 0 - Substandard
 39C Transition: 0 - Substandard 39D Approach Rail Grade: 0 - Substandard
 40a Gr. Evaluation: 1
 40b Underclearance/Vertical and Horizontal: 4 - Equal Minimum
 41a Highway Adequacy: 0 - Not Applicable 41b Approach Alignment: 0 - Equal Outside Crt
 41c Score Critical: 0 - Not Over if Adequacy

PROPOSED IMPROVEMENTS

42a Bridge Cost: (\$0) 42b Type of Work: 0
 42c Roadway Cost: (\$0) 42d Length of Improvement: 0 ft
 42e Total Cost: (\$0) 42f Future ADT: 1000
 42g Year of Cost Estimate: 0 42h Year of Future ADT: 2000

NAVIGATION DATA

43a Navigation Control: 0 - None - No Navigation
 43b Vertical Clearance: 0 ft 43c Horizontal Clearance: 0 ft
 43d Pier Protection: 0 - Not Applicable 43e UT Bridge Vertical Clearance

ELEMENT CONDITION STATE DATA

Str Unit	Elm ID	Description	Units	Total Qty	% in 1	Qty. St. 1	% in 2	Qty. St. 2	% in 3	Qty. St. 3	% in 4	Qty. St. 4	% in 5	Qty. St. 5
0	250	Conc Deck/Gravel Base	(SF)	13,950	100%	9,957	0%	0	0%	0	0%	0	0%	0

NJDOT Inspection_SIA_English_No

Fri 10/29/2010

(6/1)

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StructNum: 1332154

NJDOT SI and A Sheet

Name: ROUTE NJ 33 OVER DUBOIS CREEK

S.R.: 82.8 SD/FO: N

IDENTIFICATION

1 State: 34 New Jersey 8 Struct Num: 1332154
 7 Facility Denotd: ROUTE 33 9 Location: 0.66 MI. E. OF RT 73
 6A Rte/On Under: Route On Structure 6B Rte. Spring Rte: 3 - State Hwy
 6C Level of Service: 1 - Mainline 6D Rte. Number: 0000
 6E Directional Suffix: 0 - Not Applicable 9 Responsibility: NA
 2 SHD District: 020 Central 3 County Code: Monmouth
 4 Place Code: Roadside (Township 05)
 11 Mile Post: 28.000 mi
 6 Feature Intersected: DUBOIS CREEK
 16 Latitude: 40.1142134 17 Longitude: 74.0114622
 66 Border Bridge Code: -2 Not Applicable (R)
 68 Border Bridge Number: NA

INSPECTION

61 Frequency: 48 months 62 Inspection Date: 6/16/2010 Next Inspection: 6/16/2013
 66A FC Frequency: NA 66A FC Inspection Date: NA Next FC Inspection: NA
 66B UM Frequency: NA 66B UM Inspection Date: NA Next UM Inspection: NA
 66C SI Frequency: NA 66C SI Date: NA Next SI: NA
 Element Frequency: 48 months Element Inspection Date: 6/16/2010 Next Elem. Insp. Due: 6/16/2013

CLASSIFICATION

100 STRAIGHT Highway: 0 - Not a STRAIGHT Hwy 101 Partial Structure: N- No Bridge exists
 102 Direction of Traffic: 2 - away traffic 103 Temporary Structure: 0 - Blank
 104 Highway System: 1 - On the NYS 105 NBIS Length: M- Too Short
 60 Toll Facility: 0 - On free road 66 Functional Class: 12 - Urban Freeway
 67 Historical Significance: 0 - Not eligible for NRHP
 68 Owner: 01 NJDOT
 69 Custodian: 01 NJDOT

STRUCTURE TYPE AND MATERIALS

64 Number of Approach spans: 0 65 Number of Spans Main Unit: 1
 60A Main Span Material Design:
 1 - Concrete 18 Culvert (in culvert)

107 Deck Type: N-NA (NBI)
 106A Wearing Surface: N-NA (no deck (NBI))
 106B Membrane: N-NA (no deck (NBI))
 106C Deck Protection: N-NA (no deck (NBI))

CONDITION

66 Deck: N-Not Applicable 68 Super: N-Not Applicable 69 Sub: N-Not Applicable
 67 Culvert: 1 - Minor Deterioration 61 Channel/Channel Protection: 0 - Bank Slumping

LOAD RATING AND POSTING

64 Inventory Rating Method: 2 - AS Allowable Stress 65 Operating Rating Method: 2 - AS Allowable Stress
 66 Inventory Rating: HS20.0 67 Operating Rating: HS20.0
 68 Design Load: 6 - HS20/H30+mod 70 Rating: 0 - All Above Legal Loads
 69 Posting status: A - Open, no restriction

AGE AND SERVICE

67 Year Built: 1961 108 Year Reconstructed: -4
 60A Type of Service On: 1 - Highway
 60B Type of Service Under: 0 - Mainline
 60A Lanes on: 4 60B Lanes Under: 0 19 Detector Length: 0.0 mi
 60 ADT: 11,000 106 Truck ADT: 0 60 Year of ADT: 2006

GEOMETRIC DATA

64 Length Main Span: 10.0 ft 65 Structure Length: 10.0 ft
 66A Curb/Side Walk Width L: 0.0 ft 66B Curb/Side Walk Width R: 0.0 ft
 Width Curb to Curb on: 0.0 ft 67 Width Curb to Curb: 0.0 ft
 68 Approach Roadway Width: 32.0 ft 69 Median: 1 - Open median
 Deck Area: 10.0 ft
 64 Skew: 4.00 65 Structure Paved: 0 - No Data
 66 Minimum Vertical Clearance Over Bridge: 0.0 ft
 66A Minimum Vertical Underclearance Reference: N-Feature not Hwy or RR
 66B Minimum Vertical Underclearance: 0.0 ft
 66A Minimum Lateral Underclearance Reference R: N-Feature not Hwy or RR
 66B Minimum Lateral Underclearance R: 0.0 ft
 66 Minimum Lateral Underclearance L: 0.0 ft

APPRAISAL

60A Bridge Rail: N-NA or not required 60D Approach Rail: 0 - Substandard
 60B Transition: N-NA or not required 60D Approach Rail Code: 1 - Meets Standards
 61 Str. Evaluation: 7 62 Deck Geometry: N-Not applicable
 63 Underclearance, Vertical and Horizontal: N-Not applicable
 71 Mainline Adequacy: 0 - Above Desirable 72 Approach Alignment: 0 - Equal Desirable Ctl
 113 Score Critical: 0 - Stable Above Rating

PROPOSED IMPROVEMENTS

64 Bridge Cost: (\$1) 73 Type of Work: -1
 65 Roadway Cost: (\$1) 74 Length of Improvement: -0 ft
 66 Total Cost: (\$1) 114 Future ADT: 14,000
 67 Year of Cost Estimate: 0 115 Year of Future ADT: 2008

NAVIGATION DATA

69 Navigation Control: 0 - Permit Not Required
 69 Vertical Clearance: 0.0 ft 69 Horizontal Clearance: 0.0 ft
 111 River Protection: 0 - Not Applicable 114 UH Bridge Vertical Clearance

ELEMENT CONDITION STATE DATA

Str Unit	Elem Eno	Description	Units	Total Qty	% in 1	Qty. Str. 1	% in 2	Qty. Str. 2	% in 3	Qty. Str. 3	% in 4	Qty. Str. 4	% in 5	Qty. Str. 5
0	241/2	Concrete Culvert	(LF)	150	100 %	150	0 %	0	0 %	0	0 %	0	0 %	0

NJDOT Inspection_SIA_English_No

Thu 1/20/2011

(v1.1)

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Appendix H- Crash Data

**NEW JERSEY DEPARTMENT OF TRANSPORTATION
MEMORANDUM**

TO: Wagdi W. Gobrial
Division of Project Development

FROM: Kevin M. Conover, Section Chief / s / s
Bureau of Safety Programs

DATE: December 3, 2010

PHONE: 530 – 3482

RE: Crash Data for Route 33 MP 24.30 – 29.00
Manalapan – Freehold Township, Monmouth County

This is in reference to your request dated October 25, 2010, requesting this office to furnish the crash data for the above referenced locations for the most recent three years.

CRASH DATA RELATIVE TO OVERREPRESENTATIONS:

The crash summary relative to overrepresentations for this section of Route 33 for the period January 1, 2007, to December 31, 2009, is herewith attached. The percentages on the summary are 2009 statewide average values corresponding to over represented crash categories.

<u>CRASH RATE:</u>				
Route	Mile Post	Cross-Section	Actual Crash Rate Crashes/mvm.	Statewide Crash Rate for Year 2009 Crashes/mvm.
33	24.30 – 29.00	4 or more lanes, grass median, with shoulder	1.46	2.12

The crash rate for this section of Route 33 exhibits a relatively safe crash record as it is below the year 2009 statewide average for roadways with similar cross-section.

Also, enclosed are the Details of Motor Vehicle Accidents for the years 2007 through 2009. The Details will show the crash frequency and severity at various locations (at/between intersection) along this portion of the Urban Freeway/ Expressway. This information may help your office in any engineering decision that might be made to improve or upgrade this section of Route 33.

If there are any further questions, please contact Geoffrey Gayanilo of this office at 530-4288.

KC:TZ:GG

Mail Log No. 202-10

CRASH SUMMARY

Route 33 MP 24.30 - 29.00
Manalapan - Freehold Township, Monmouth County
01/01/2007 THRU 12/31/2009

TOTAL CRASHES: 103

SEVERITY	COUNT	% OF TOTAL	2009 Average
Fatal	0	0.00%	
Injury	23	22.33%	
Property Damage	80	77.67%	71.60%
Total	103		

COLLISION TYPE	COUNT	% OF TOTAL	2009 Average	**
Same Dir.-Rear End	28	27.18%		
Same Dir.-Sideswipe	8	7.77%		
Angle	1	0.97%		
Head On	1	0.97%		
Parked Vehicle	0	0.00%		
Left Turn / U Turn	1	0.97%		
Backing	0	0.00%		
Encroachment	0	0.00%		
Overturned	1	0.97%		
Fixed Object	17	16.50%		
Animal	43	41.75%	12.01%	
Pedestrian	1	0.97%	3.58%	
Pedalcycle	0	0.00%	0.93%	
Non-Fixed Object	2	1.94%	0.80%	
Unknown	0	0.00%		
Other	0	0.00%		
Total	103			

INTERSECTION	COUNT	% OF TOTAL	2009 Average	**
At Signalized Intersection	1	0.97%		
At Unsignalized Intersection	4	3.88%		
Between Intersections	98	95.15%	70.73%	
Railroad Crossing	0	0.00%		
Total	103			

SURFACE CONDITION	COUNT	% OF TOTAL	2009 Average	**
Dry	72	69.90%		
Wet Surface	22	21.36%		
Snow	3	2.91%	2.19%	
Ice	1	0.97%		
Unknown	0	0.00%		
Other	5	4.85%	0.43%	
Total	103			

LIGHT	COUNT	% OF TOTAL	2009 Average	**
Day	56	54.37%		
Dusk	5	4.85%	2.49%	
Night	40	38.83%	26.08%	
Dawn	2	1.94%	1.41%	
Unknown	0	0.00%		
Total	103			

Note:

** These columns indicate the number of fatal crashes in each accident category.

Length of Segment	4.7
Number of Years	3
AADT	13736

Crash Rate/MVM 1.46 2009 Statewide Crash Rate/MVM 2.12

ARDLSTRT2 December 2, 2010 NEW JERSEY DEPARTMENT OF TRANSPORTATION
BUREAU OF SAFETY PROGRAMS
DETAIL OF MOTOR VEHICLE ACCIDENTS
ON ROUTE 33
MILEPOST 24.300 TO 29.000
01/01/2007 TO 12/31/2009

ROAD SYS D L N	COLLISION TYPE	VEHICLE 1 DIR TRAV VEH TYPE, VEH ACTN	VEHICLE 2 DIR TRAV VEH TYPE, VEH ACTN	WEA	SUR LITE	DATE	DOWN TIME	VEH 1 CONTRIB CIRCUMSTANCES	VEH 2 CONTRIB CIRCUMSTANCES	NO. INJURED KIL	NO. MOD MAJ	NO. ACC MIN
STATE HWY 09090286	RT 33 SAME DIR-REAR	MP 024.30 E- PASS-MERGING	NOT AT INTERSECTION E- PASS-GOING STRT	BN/WT DAY	05/04/09	MANALAPAN TWP	MON 16:06	NONE-DRIVER/CYC	MONMOUTH FOLLOW TO CLOSE	0	0	0
STATE HWY 07056993	RT 33 FIXED OBJECT	MP 024.32 W- SUV-GOING STRT	NEAR MILLHURST ROAD	SN/SN DARK	02/25/07	MANALAPAN TWP	SUN 19:26	UNSAFE SPEED	MONMOUTH	0	0	0
STATE HWY 07169341	RT 33 SAME DIR-REAR	MP 024.40 E- PASS-SLOW-STOP	NOT AT INTERSECTION E- PASS-GOING STRT	BN/WT DAY	08/20/07	MANALAPAN TWP	MON 17:29	NONE-DRIVER/CYC	MONMOUTH DRI INATTENTION	0	0	0
07218737	SAME DIR-REAR	E- PASS-SLOW-TRAF	E- PASS-GOING STRT	CL/DR DAY	10/02/07	TUE 08:56	NONE-DRIVER/CYC	FOLLOW TO CLOSE	0	0	0	
08131337	SAME DIR-REAR	W- PASS-SLOW-STOP	W- PASS-STOP-TRAF	CL/DR DAY	06/20/08	FRI 07:57	FOLLOW TO CLOSE	NONE-DRIVER/CYC	0	0	0	
09106513	SAME DIR-REAR	E- PASS-MERGING	E- PASS-GOING STRT	CL/DR DAY	05/19/09	TUE 19:17	NONE-DRIVER/CYC	DRI INATTENTION	0	0	0	
STATE HWY 07041186	RT 33 FIXED OBJECT	MP 024.51 E- SUV-GOING STRT	NEAR CR 527	SL/SL DAY	03/16/07	FRI 13:53	UNSAFE SPEED	MONMOUTH	0	0	0	
07110128	SAME DIR-SIDE	E- PASS-GOING STRT	E- SUV-GOING STRT	CL/DR DARK	06/09/07	SAT 00:30	NONE-DRIVER/CYC	IMP LANE CHANGE	0	0	0	
07142594	SAME DIR-REAR	W- PASS-STOP-TRAF	W- PASS-GOING STRT	CL/DR DAY	08/01/07	WED 15:31	NONE-DRIVER/CYC	DRI INATTENTION	0	0	0	
07241368	ANIMAL	W- PASS-GOING STRT	-	CL/DR DARK	10/23/07	SUN 20:51	ANIMALS IN RDWY	0	0	0	0	
07291121	SAME DIR-SIDE	E- PASS-GOING STRT	E- SUV-GOING STRT	BN/WT DAY	12/23/07	SUN 08:27	NONE-DRIVER/CYC	DRI INATTENTION	0	0	0	
08165314	SAME DIR-SIDE	W- PASS-GOING STRT	W- PASS-MERGING	OC/DR DAY	08/14/08	THR 16:14	NONE-DRIVER/CYC	FAIL TO YLD ROW	0	0	0	
09034871	ANIMAL	W- PASS-GOING STRT	-	CL/DR DARK	02/17/09	TUE 17:58	ANIMALS IN RDWY	0	0	0	0	
09257428	SAME DIR-REAR	W- PASS-MERGING	W- PASS-MERGING	BN/WT DAY	10/28/09	WED 16:14	DRI INATTENTION	NONE-DRIVER/CYC	0	0	0	
09269313	ANIMAL	W- PKUP-GOING STRT	-	CL/DR DARK	11/05/09	THR 18:27	ANIMALS IN RDWY	0	0	0	0	
STATE HWY 09045572	RT 33 ANIMAL	MP 024.60 E- PASS-GOING STRT	NEAR MEMROCK ROAD	CL/DR DAY	03/07/09	MANALAPAN TWP	SAT 18:12	ANIMALS IN RDWY	MONMOUTH	0	0	0
STATE HWY 07110829	RT 33 SAME DIR-REAR	MP 024.65 N- PASS-SLOW-STOP	NOT AT INTERSECTION N- PASS-GOING STRT	CL/DR DAY	05/22/07	MANALAPAN TWP	TUE 14:08	DRI INATTENTION	MONMOUTH NONE-DRIVER/CYC	0	0	0
07110101	SAME DIR-REAR	E- PASS-START TRAF	E- PASS-START TRAF	CL/DR DAY	06/06/07	WED 10:24	NONE-DRIVER/CYC	FOLLOW TO CLOSE	0	0	0	
07167523	SAME DIR-REAR	E- SUV-STOP-TRAF	E- PKUP-GOING STRT	CL/DR DAY	06/28/07	THU 08:58	FOLLOW TO CLOSE	NONE-DRIVER/CYC	0	0	0	
07298790	SAME DIR-REAR	W- PASS-STOP-TRAF	W- PASS-GOING STRT	CL/DR DARK	12/31/07	MON 18:02	NONE-DRIVER/CYC	DRI INATTENTION	0	0	0	
08103047	SAME DIR-REAR	N- SUV-SLOW-STOP	N- PASS-GOING STRT	CL/DR DAY	04/29/08	TUE 18:02	NONE-DRIVER/CYC	DRI INATTENTION	0	0	0	
09122600	SAME DIR-REAR	W- PASS-GOING STRT	W- SUV-SLOW-STOP	CL/DR DAY	06/13/09	SAT 15:54	FOLLOW TO CLOSE	NONE-DRIVER/CYC	0	0	0	
STATE HWY 09054987	RT 33 SAME DIR-REAR	MP 024.75 E- PASS-SLOW-STOP	NOT AT INTERSECTION E- PASS-STOP-TRAF	BN/WT DAY	03/26/09	MANALAPAN TWP	THR 11:47	FOLLOW TO CLOSE	MONMOUTH NONE-DRIVER/CYC	0	0	0
STATE HWY 09259405	RT 33 ANIMAL	MP 024.80 W- PASS-GOING STRT	NEAR RT 33 BUSINESS	BN/WT DARK	11/14/09	MANALAPAN TWP	SAT 19:47	ANIMALS IN RDWY	MONMOUTH	0	0	0
STATE HWY 09259405	RT 33 ANIMAL	MP 025.01	NEAR ROUTE 527 / MILLHURST RD / SWEET	MANALAPAN TWP		MANALAPAN TWP			MONMOUTH	0	0	0

County-Municipality Restrictions: 1:

2:

BUREAU OF SAFETY PROGRAMS
DETAIL OF MOTOR VEHICLE ACCIDENTS

ON ROUTE 33
MILEPOST 24.300 TO 29.000
01/01/2007 TO 12/31/2009

ROAD SYS D L N	COLLISION TYPE	VEHICLE 1 DIR TRAV VEH TYPE, VEH ACTN	VEHICLE 2 DIR TRAV VEH TYPE, VEH ACTN	WEA	SUR	LITE	DATE	DOM TIME	VEH 1 CONTRIB CIRCUMSTANCES	VEH 2 CONTRIB CIRCUMSTANCES	NO. NO. INJURED KIL MAJ MOD MIN ACC
STATE HWY 08224312	RT 33 ANIMAL	MP 025.01 E- PASS-GOING STRT	NEAR ROUTE 527 / MILLHURST RD / SWEET	-	CL/DR	DARK	10/07/08	19:26	ANIMALS IN ROWY	MANALAPAN TWP	0 0 0 1 0
08224303	ANIMAL	W- PASS-GOING STRT	-	-	CL/DR	DARK	10/15/08	02:08	ANIMALS IN ROWY	MANALAPAN TWP	0 0 0 0 0
08280955	ANIMAL	E- PASS-GOING STRT	-	-	CL/DR	DARK	12/20/08	SAT 16:36	ANIMALS IN ROWY	MANALAPAN TWP	0 0 0 0 0
09004439	ANIMAL	W- SUV-GOING STRT	-	-	RN/WT	DARK	01/06/09	TUE 18:18	ANIMALS IN ROWY	MANALAPAN TWP	0 0 0 0 0
09091097	ANIMAL	W- SUV-GOING STRT	-	-	FG/DR	DARK	05/16/09	SAT 23:52	ANIMALS IN ROWY	MANALAPAN TWP	0 0 0 0 0
09132319	ANIMAL	W- PASS-GOING STRT	-	-	CL/WT	DARK	06/22/09	MON 02:31	NONE-DRIVER/CYC	MANALAPAN TWP	0 0 0 0 0
09138457	ANIMAL	E- PASS-GOING STRT	-	-	CL/DR	DARK	06/23/09	MON 00:39	ANIMALS IN ROWY	MANALAPAN TWP	0 0 0 0 0
09181026	ANIMAL	W- PASS-GOING STRT	-	-	CL/DR	DAY	07/27/09	MON 05:43	NONE-DRIVER/CYC	MANALAPAN TWP	0 0 0 0 0
STATE HWY 09045573	RT 33 ANIMAL	MP 025.18 E- PASS-GOING STRT	NEAR MEMROCK ROAD	-	CL/DR	DAY	03/07/09	SAT 17:58	ANIMALS IN ROWY	MANALAPAN TWP	0 0 0 1 1
STATE HWY 09219238	RT 33 SAME DIR-REAR	MP 025.21 W- PASS-MERGING	NEAR ROUTE 527 / MILLHURST RD / SWEET	-	CL/DR	DAY	09/06/09	SUN 17:08	NONE-DRIVER/CYC	MANALAPAN TWP	0 0 0 0 1
STATE HWY 09004448	RT 33 SAME DIR-REAR	MP 025.27 E- PASS-STOP-TRAJ	NEAR MEMROCK ROAD	-	CL/DR	DAY	01/03/09	SAT 14:27	NONE-DRIVER/CYC	MANALAPAN TWP	0 0 0 0 1
STATE HWY 07284911	ANIMAL	MP 025.38 E- PASS-GOING STRT	NEAR MEMROCK ROAD	-	CL/DR	DARK	12/07/07	FRI 21:03	ANIMALS IN ROWY	MANALAPAN TWP	0 0 1 0 0
08247375	ANIMAL	W- PASS-GOING STRT	-	-	CL/DR	DAY	11/03/08	MON 08:22	NONE-DRIVER/CYC	MANALAPAN TWP	0 0 0 1 0
STATE HWY 07250599	RT 33 ANIMAL	MP 025.43 E- PASS-GOING STRT	NEAR MEMROCK ROAD	-	CL/DR	DUSK	10/23/07	TUE 18:45	ANIMALS IN ROWY	MANALAPAN TWP	0 0 0 1 1
STATE HWY 08221253	RT 33 ANIMAL	MP 025.51 W- PASS-GOING STRT	NEAR ROUTE 527 / MILLHURST RD / SWEET	-	CL/DR	DAY	08/22/08	FRI 17:04	NONE-DRIVER/CYC	MANALAPAN TWP	0 0 0 0 1
STATE HWY 07112070	RT 33 ANIMAL	MP 025.58 W- SUV-GOING STRT	NEAR MEMROCK ROAD	-	CL/DR	DARK	06/06/07	WED 21:22	ANIMALS IN ROWY	MANALAPAN TWP	0 0 0 0 1
STATE HWY 07120928	NON-FIXED OBJ	MP 025.65 E- PASS-GOING STRT	NEAR MEMROCK ROAD	-	CL/DR	DAY	05/17/07	THU 17:33	ANIMALS IN ROWY	MANALAPAN TWP	0 0 0 0 1
STATE HWY 07027955	FIXED OBJECT	MP 025.68 N- PASS-NEG CURVE	NOT AT INTERSECTION	-	SN/WT	DAY	03/07/07	WED 11:46	DRI INATTENTION	MANALAPAN TWP	0 0 0 0 3
08301773	FIXED OBJECT	E- PASS-NEG CURVE	-	-	SL/IC	DARK	12/24/08	WED 02:21	RO SURF CONDITION	MANALAPAN TWP	0 0 0 0 0
09161120	FIXED OBJECT	S- PASS-NEG CURVE	-	-	CL/DR	DUSK	08/21/09	SUN 19:51	DRI INATTENTION	MANALAPAN TWP	0 0 0 0 0
STATE HWY 07222166	RT 33 FIXED OBJECT	MP 025.68 N- PASS-GOING STRT	AT MEMROCK ROAD	-	RN/WT	DARK	10/09/07	TUE 20:52	DRI INATTENTION	MANALAPAN TWP	0 0 0 0 2

County-Municipality Restractions: 1.

2.

ROAD SYS	D I N	COLLISION	VEHICLE 1 DIR TRAV	VEHICLE 2 DIR TRAV	WEA	DATE	TIME	VEH 1 CONTRIB	VEH 2 CONTRIB	NO. NO. INJURED	NO.
			VEH TYPE, VEH ACTN	VEH TYPE, VEH ACTN				CIRCUMSTANCES	CIRCUMSTANCES	KIL MAJ MOD MIN	ACC
STATE HWY 09073178	RT 33	RT 33	MP 025.68 E- PKUP-GOING STRT	AT WENROCK RD W- SUV-LEFT TURN	CL/DR DAY	04/12/09	SUN 11:21	OTHER	MONMOUTH OTHER	0 0 0 0	0
STATE HWY 09295101	RT 33	RT 33	MP 025.69 W- PASS-STOP-TRAF	NEAR WENROCK RD W- PASS-STOP-TRAF	CL/WT DAY	12/21/09	MON 07:52	NONE-DRIVER/CYC	MONMOUTH NONE-DRIVER/CYC	0 0 0 3	1
STATE HWY 09095969	RT 33	RT 33	MP 025.70 W- PASS-STOP-TRAF	NEAR WENROCK RD W- PASS-GOING STRT	CL/DR DAY	05/15/09	FRI 17:07	NONE-DRIVER/CYC	MONMOUTH DRI INATTENTION	0 0 0 0	1
STATE HWY 07272767	RT 33	RT 33	MP 025.73 W- PKUP-GOING STRT	NEAR WENROCK RD -	CL/WT DARK	11/22/07	THU 17:52	ANIMALS IN RDWY	MONMOUTH	0 0 0 0	1
STATE HWY 08169177	RT 33	RT 33	MP 025.74 W- PASS-SLOW-STOP	NEAR WENROCK RD W- PASS-GOING STRT	CL/DR DAY	08/16/08	SAT 16:39	NONE-DRIVER/CYC	MONMOUTH FOLLOW TO CLOSE	0 0 0 0	1
STATE HWY 09263690	RT 33	RT 33	MP 025.77 W- PASS-SLOW-STOP	NEAR WENROCK RD W- SUV-GOING STRT	EN/WT DARK	11/14/09	SAT 20:17	NONE-DRIVER/CYC	MONMOUTH FOLLOW TO CLOSE	0 0 0 0	1
STATE HWY 07059586	RT 33	RT 33	MP 025.78 W- PASS-GOING STRT	NEAR WENROCK RD W- PASS-GOING STRT	EN/WT DAY	04/16/07	MON 09:17	NONE-DRIVER/CYC	MONMOUTH OTHER	0 0 0 0	2
STATE HWY 08063474	RT 33	RT 33	MP 025.80 W- PASS-SLOW-STOP	NEAR WENROCK RD W- PASS-SLOW-STOP	CL/DR DAY	04/12/08	SAT 14:49	NONE-DRIVER/CYC	MONMOUTH DRI INATTENTION	0 0 0 0	0
STATE HWY 07266811	RT 33	RT 33	MP 025.86 W- PASS-GOING STRT	NEAR WENROCK RD -	CL/DR DARK	10/30/07	TUE 18:27	OTH DR/PED ACT	MONMOUTH	0 0 0 1	1
STATE HWY 08250675	RT 33	RT 33	MP 025.98 E- PASS-GOING STRT	NEAR WENROCK RD -	CL/DR DARK	11/08/08	SAT 22:53	NONE-DRIVER/CYC	MONMOUTH	0 0 0 0	1
STATE HWY 09079757	RT 33	RT 33	MP 026.00 E- SUV-CHNG LANES	NEAR WENROCK RD E- PASS-GOING STRT	CL/DR DAY	04/16/09	THU 18:38	IMP PASSING	MONMOUTH NONE-DRIVER/CYC	0 0 0 0	1
STATE HWY 09130058	RT 33	RT 33	MP 026.09 E- PASS-GOING STRT	NEAR ROUTE 537 / FREEHOLD-MOUNT HOLLY -	OC/DR DAY	06/24/09	WED 12:59	ANIMALS IN RDWY	MONMOUTH	0 0 0 0	1
STATE HWY 09130073	RT 33	RT 33	MP 026.10 W- PASS-GOING STRT	NOT AT INTERSECTION -	CL/DR DARK	06/23/09	MON 02:33	ANIMALS IN RDWY	MONMOUTH	0 0 0 0	1
STATE HWY 08254867	RT 33	RT 33	MP 026.18 W- PKUP-GOING STRT	NEAR WENROCK RD -	FG/WT DAWN	11/14/08	FRI 06:42	ANIMALS IN RDWY	MONMOUTH	0 0 0 0	1
STATE HWY 09238953	RT 33	RT 33	MP 026.34 E- SUV-GOING STRT	NEAR ROUTE 537 / FREEHOLD-MOUNT HOLLY -	EN/WT DAWN	10/27/09	TUE 22:08	ANIMALS IN RDWY	MONMOUTH	0 0 1 0	1

County-Municipality Restrictions: 1:

2:

BUREAU OF SAFETY PROGRAMS
DETAIL CP MOTOR VEHICLE ACCIDENTS

ON ROUTE 33
MILEPOST 24.300 TO 29.000
01/01/2007 TO 12/31/2009

ROAD SYS D L N	COLLISION TYPE	VEHICLE 1 DIR TRAV VEH TYPE, VEH ACTN	VEHICLE 2 DIR TRAV VEH TYPE, VEH ACTN	WEA SUN LITE DATE	DOWN TIME CIRCUMSTANCES	VEH 1 CONTRIB CIRCUMSTANCES	VEH 2 CONTRIB CIRCUMSTANCES	NO. NO. INJURED KIL MAJ MOD MIN ACC
STATE HWY 06103946	RT 13 SAFE DIR-REAR	MP 026.38 W- PASS-GOING STRT	NEAR WENROCK ROAD W- PASS-GOING STRT	CL/CR DARK 05/25/08	FREEHOLD TWP SUN 03:29 NONE-DRIVER/CYC	MONMOUTH DRI INATTENTION	MONMOUTH DRI INATTENTION	0 0 1 2 1
STATE HWY 07115017	RT 13 FIXED OBJECT	MP 026.39 E- PASS-GOING STRT	NEAR RT 537 E- PASS-GOING STRT	SL/SL DAY 03/16/07	FREEHOLD TWP FRI 11:51 UNSAFE SPEED	MONMOUTH	MONMOUTH	0 0 0 1 1
STATE HWY 07267232	RT 13 ANIMAL	MP 026.49 E- PASS-GOING STRT	NEAR CR537 E- PASS-GOING STRT	CL/CR DARK 10/22/07	FREEHOLD TWP MON 23:30 ANIMALS IN RDWY	MONMOUTH	MONMOUTH	0 0 0 0 0
STATE HWY 08233100	RT 13 ANIMAL	MP 026.56 E- PASS-GOING STRT	NEAR CR537 E- PASS-GOING STRT	CL/CR DARK 10/31/08	FREEHOLD TWP FRI 20:21 ANIMALS IN RDWY	MONMOUTH	MONMOUTH	0 0 0 0 0
STATE HWY 09176784	RT 13 FIXED OBJECT	MP 026.56 E- PASS-GOING STRT	NEAR ROUTE 537 / FREEHOLD-MOUNT HOLLY E- PASS-GOING STRT	CL/CR DARK 08/01/09	FREEHOLD TWP MON 22:50 WHEELS	MONMOUTH	MONMOUTH	0 0 0 0 0
STATE HWY 09044031	RT 13 FIXED OBJECT	MP 026.59 N- PASS-NEG CURVE	NOT AT INTERSECTION E- PASS-NEG CURVE	SN/SM DAY 03/01/09	FREEHOLD TWP SUN 07:37 UNSAFE SPEED	MONMOUTH	MONMOUTH	0 0 0 0 0
STATE HWY 09073172	RT 13 SAFE DIR-REAR	MP 026.61 E- PASS-STANT TRAF	NEAR ROUTE 537 / FREEHOLD-MOUNT HOLLY E- PASS-STANT TRAF	CL/CR DAY 04/08/09	FREEHOLD TWP WED 16:07 NONE-DRIVER/CYC	FOLLOW TO CLASE	FOLLOW TO CLASE	0 0 0 0 0
STATE HWY 09073206	RT 13 FIXED OBJECT	MP 026.61 E- PASS-GOING STRT	NEAR ROUTE 537 / FREEHOLD-MOUNT HOLLY E- PASS-GOING STRT	CL/CR DAY 04/16/09	FREEHOLD TWP THU 11:28 QTR DR/PED ACT	MONMOUTH	MONMOUTH	0 1 0 0 0
STATE HWY 09274581	RT 13 ANIMAL	MP 026.63 W- SUV-GOING STRT	NEAR ROUTE 537 / FREEHOLD-MOUNT HOLLY W- SUV-GOING STRT	CL/CR DARK 12/02/09	FREEHOLD TWP WED 02:25 ANIMALS IN RDWY	MONMOUTH	MONMOUTH	0 0 0 0 0
STATE HWY 09001613	RT 13 ANIMAL	MP 026.64 E- SUV-GOING STRT	NEAR ROUTE 537 / FREEHOLD-MOUNT HOLLY E- SUV-GOING STRT	CL/CR DARK 01/12/09	FREEHOLD TWP MON 06:33 ANIMALS IN RDWY	MONMOUTH	MONMOUTH	0 0 0 0 0
STATE HWY 09273505	RT 13 ANIMAL	MP 026.70 E- PASS-GOING STRT	NEAR ROUTE 537 / FREEHOLD-MOUNT HOLLY E- PASS-GOING STRT	CL/CR DARK 11/28/09	FREEHOLD TWP SAT 22:26 NONE-DRIVER/CYC	MONMOUTH	MONMOUTH	0 0 0 0 0
STATE HWY 08203254	RT 13 RIGHT ANGLE	MP 026.70 N- SUV-LEFT TURN	AT CANOVER ROAD E- PASS-GOING STRT	CL/CR DAY 09/18/08	FREEHOLD TWP THU 17:38 IRI INATTENTION	MONMOUTH	MONMOUTH	0 0 0 1 1
STATE HWY 07266816	RT 13 ANIMAL	MP 026.79 W- SUV-GOING STRT	NEAR CR 537 E- PASS-GOING STRT	CL/CR DARK 11/01/07	FREEHOLD TWP SAT 19:31 ANIMALS IN RDWY	MONMOUTH	MONMOUTH	0 0 0 0 0
STATE HWY 08092709	RT 13 ANIMAL	MP 026.84 W- SUV-GOING STRT	NEAR CR 537 E- PASS-GOING STRT	CL/CR DAY 04/19/08	FREEHOLD TWP SAT 12:19 ANIMALS IN RDWY	MONMOUTH	MONMOUTH	0 0 0 0 0
STATE HWY 09265070	RT 13 ANIMAL	MP 026.99 W- PASS-GOING STRT	NEAR CR 537 E- PASS-GOING STRT	CL/CR DARK 11/23/09	FREEHOLD TWP WED 05:40 ANIMALS IN RDWY	MONMOUTH	MONMOUTH	0 0 0 0 0
STATE HWY 08247116	RT 13 ANIMAL	MP 026.99 W- CYCLO-GOING STRT	NEAR CR 537 E- PASS-GOING STRT	RM/WT DARK 11/06/08	FREEHOLD TWP THU 17:52 ANIMALS IN RDWY	MONMOUTH	MONMOUTH	0 0 0 0 0
STATE HWY 07021958	RT 13 ANIMAL	MP 027.24 E- PASS-GOING STRT	NEAR RT 9 E- PASS-GOING STRT	CL/CR DAY 13/13/07	FREEHOLD TWP TUE 07:24 ANIMALS IN RDWY	MONMOUTH	MONMOUTH	0 0 2 1 3

County Municipality Restrictions: 1:

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NEW JERSEY DEPARTMENT OF TRANSPORTATION
BUREAU OF SAFETY PROGRAMS
DETAIL OF MOTOR VEHICLE ACCIDENTS

ADLSTR22 December 2, 2010

OR ROUTE 31
MILEPOST 24.300 TO 29.000
01/01/2007 TO 12/31/2009

ROAD EYS D L N	COLLISION TYPE	VEHICLE 1 DIR TRAV VEH TYPE, VEH ACTN	VEHICLE 2 DIR TRAV VEH TYPE, VEH ACTN	WEA SUR	DATE	DOWN TIME	VEH 1 CONTRIB CIRCUMSTANCES	VEH 2 CONTRIB CIRCUMSTANCES	NO. NO. INJURED KIL MAJ MOD MIN ACC
STATE HWY 08301765	RT 33 ANIMAL	MP 027.24 3- PASS-GOING STRT	NEAR US 9 -	CL/DR DARK 12/21/08	SUN 20:24	FREEHOLD TWP	MONROUTE	MONROUTE	0 0 2 1
09172525	OFF HEAD-ON	3- SUV-GOING STRT	W- PHUP-GOING STRT	RN/WT DARK 08/09/09	SUN 00:55	WRONG WAY	NONE-DRIVER/CYC	NONE-DRIVER/CYC	0 0 2 1
STATE HWY 07147014	RT 33 OVERTURNED	MP 027.29 W-MCYCL-GOING STRT	NEAR RT 9 -	CL/DR DUSK 07/07/07	SAT 20:14	UNSAFE SPEED	MONROUTE	MONROUTE	0 0 0 0
STATE HWY 08095262	RT 33 ANIMAL	MP 027.40 W- -GOING STRT	NEAR RT 9 -	CL/DR DAY 05/15/08	THU 06:58	NONE-DRIVER/CYC	MONROUTE	MONROUTE	0 0 0 0
STATE HWY 09071218	RT 33 SAME DIR-REAR	MP 027.50 3- PASS-GOING STRT	NEAR US 9 3- PASS-GOING STRT	CL/DR DAY 04/19/09	SUN 15:51	NONE-DRIVER/CYC	MONROUTE	MONROUTE	0 0 0 0
STATE HWY 07284918	RT 33 SAME DIR-REAR	MP 027.52 W- SUV-SLOW-STOP	NEAR RT 9 W- SUV-MERGING	CL/DR DAY 12/04/07	TUE 15:44	NONE-DRIVER/CYC	MONROUTE	MONROUTE	0 0 1 0
03106061	PEDESTRIAN	3- PASS-GOING STRT	3- PASS-GOING STRT	CL/DR DAY 05/30/08	FRI 16:59	NONE-DRIVER/CYC	MONROUTE	MONROUTE	0 0 0 0
03264824	PEDESTRIAN	3- PASS-GOING STRT	-	CL/DR DAY 11/21/08	FRI 11:21		MONROUTE	MONROUTE	0 0 1 0
STATE HWY 09079758	RT 33 SAME DIR-REAR	MP 027.54 W- PASS-LEFT TURN	AT US 9 W-CVIOK-LEFT TURN	CL/DR DAY 04/19/09	SUN 11:45	NONE-DRIVER/CYC	MONROUTE	MONROUTE	0 0 0 0
STATE HWY 07115837	RT 33 FIXED OBJECT	MP 027.55 3- PASS-GOING STRT	NEAR RT 9 -	SN/SL DAY 03/16/07	FRI 17:20	DRI INATTENTION	MONROUTE	MONROUTE	0 0 0 0
09104417	FIXED OBJECT	3- PASS-NEG CURVE	-	SN/SH DAY 12/31/09	THU 10:54	UNSAFE SPEED	MONROUTE	MONROUTE	0 0 0 0
STATE HWY 07171658	RT 33 SAME DIR-SIDE	MP 027.56 W- PASS-GOING STRT	NEAR RT 9 W- PASS-GOING LANES	CL/DR DARK 08/22/07	WED 20:51	NONE-DRIVER/CYC	MONROUTE	MONROUTE	0 0 0 2
STATE HWY 08247178	RT 33 ANIMAL	MP 027.59 W- PHUP-GOING STRT	NEAR US 9 -	CL/DR DAY 11/01/08	SAT 13:45	ANIMALS IN ROW	MONROUTE	MONROUTE	0 0 0 0
STATE HWY 09210234	RT 33 SAME DIR-SIDE	MP 027.63 3- SENT-GOING STRT	NEAR US 9 3- PASS-GOING STRT	CL/DR DARK 09/21/09	MON 21:23	DRI INATTENTION	MONROUTE	MONROUTE	0 0 0 0
STATE HWY 09073215	RT 33 SAME DIR-SIDE	MP 027.64 3- SUV-GOING STRT	NEAR US 9 3- SUV-MERGING	CL/DR DAY 04/18/09	SAT 15:55	NONE-DRIVER/CYC	MONROUTE	MONROUTE	0 0 0 0
STATE HWY 07115012	RT 33 FIXED OBJECT	MP 027.69 W- PASS-GOING STRT	NEAR RT 9 -	SL/SL DUSK 03/16/07	FRI 17:30	UNSAFE SPEED	MONROUTE	MONROUTE	0 0 0 0
08106069	ANIMAL	W- PASS-GOING STRT	-	CL/DR DAY 06/03/08	TUE 08:26	ANIMALS IN ROW	MONROUTE	MONROUTE	0 0 0 1
STATE HWY 07171658	RT 33 ANIMAL	MP 027.69 W- PASS-GOING STRT	AT RT 9 -	CL/DR DAY 06/03/08	TUE 08:26	ANIMALS IN ROW	MONROUTE	MONROUTE	0 0 0 0

County-Municipality Restrictions: 1:

2:

Appendix I- Traffic Data

NEW JERSEY DEPARTMENT OF TRANSPORTATION

MEMORANDUM

To: Sue Gresavage, Manager
Pavement Management and Tech.

FROM: Wagdi W. Gobrial- Central Region
Division of Project Development

DATE: September 23, 2010

PHONE: 530- 2741

SUBJECT: Route 33- MP 24.3 to 29.0
Manalapan and Freehold Townships, Monmouth County

The following is the Traffic Design Data and Pavement Design Data for the Rt. 33 pavement resurfacing project.

Year 2015

Traffic Design Data (TDD)

2010 ADT (2 Way)	= 24,285 vpd
2015 ADT (2 Way)	= 25,905 vpd
2015 DHV (2 Way)	= 2,590 vph
2015 Directional Distribution	= 55%
2015 Heavy Truck % in Peak Hour	= 3%

Pavement Design Data (PDD)

2010 ADT (One Way)	= 12,140 vpd
2015 ADT (One Way)	= 12,790 vpd
2015 Heavy Truck % in 24 Hours	= 2%
2015 Total Truck % in 24 Hours	= 4%

Year 2035

Traffic Design Data (TDD)

2010 ADT (2 Way)	= 24,285 vpd
2035 ADT (2 Way)	= 33,540 vpd
2035 DHV (2 Way)	= 3,350 vph
2035 Directional Distribution	= 55%
2035 Heavy Truck % in Peak Hour	= 3%

Pavement Design Data (PDD)

2010 ADT (One Way)	= 12,140 vpd
2035 ADT (One Way)	= 16,770 vpd
2035 Heavy Truck % in 24 Hours	= 2%
2035 Total Truck % in 24 Hours	= 4%

Should you have any questions please do not hesitate to contact me.