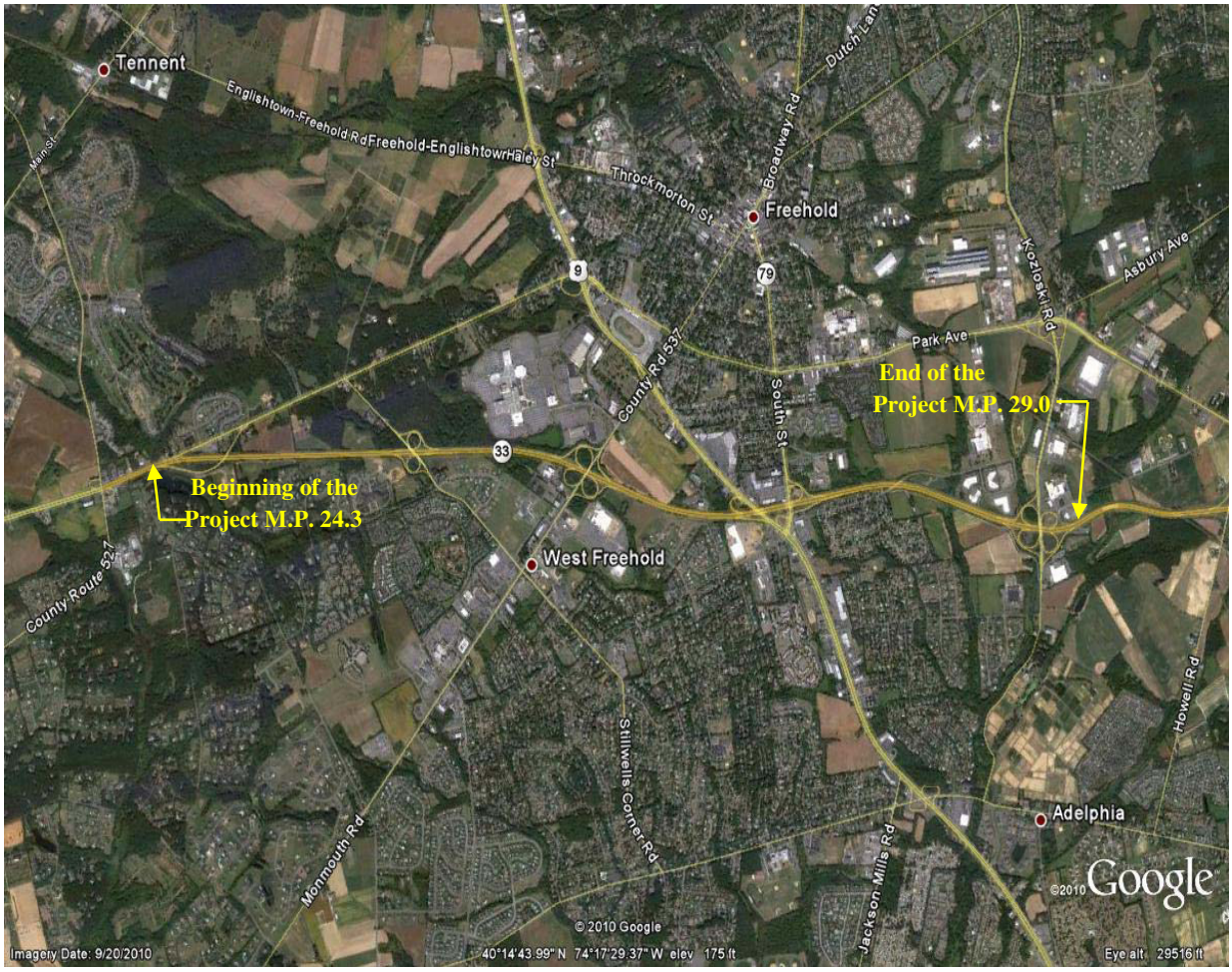
Concept Development Report

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 Devolvement (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:

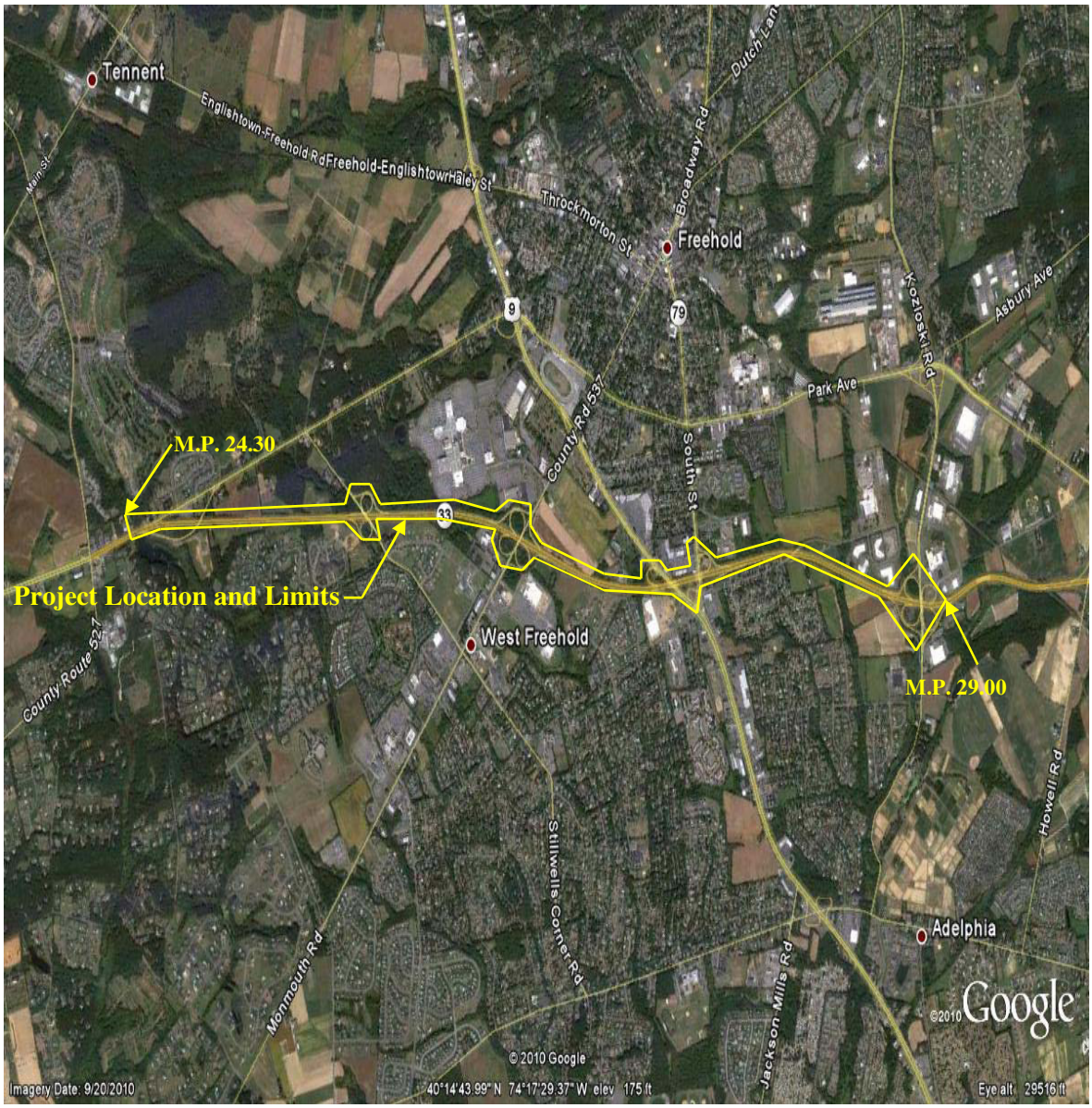


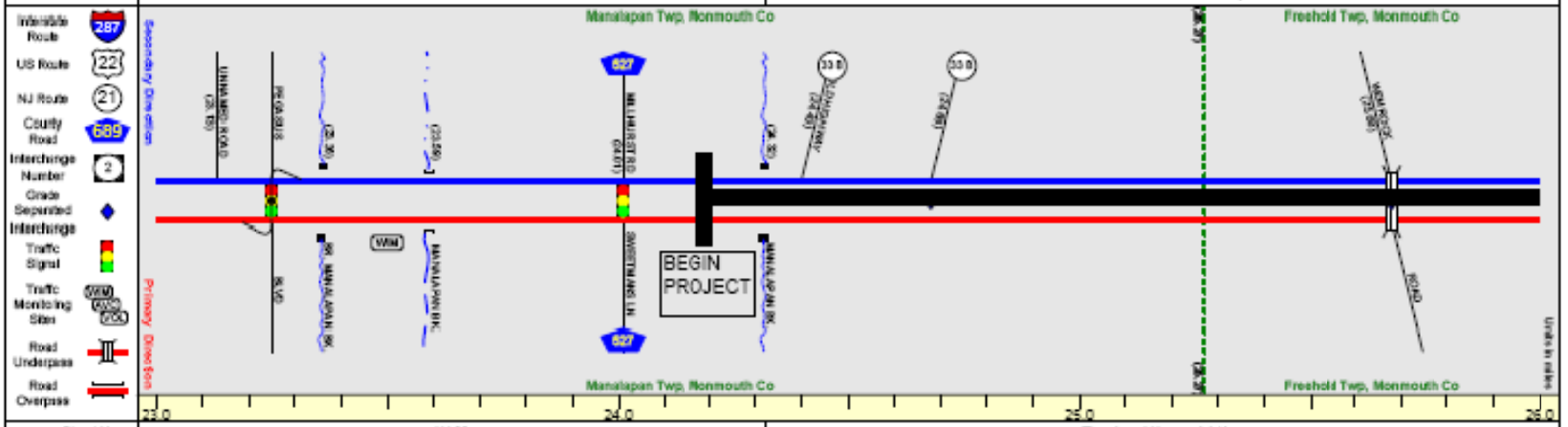
Figure 1

Project Location

NJ 33 (West to East)

Mile Posts: 23.000 - 26.000

Pavement	24
Shoulder	10
Number of Lanes	2
Speed Limit	55
Street Name	NJ 33 + Theodore J. Narozanick Hwy

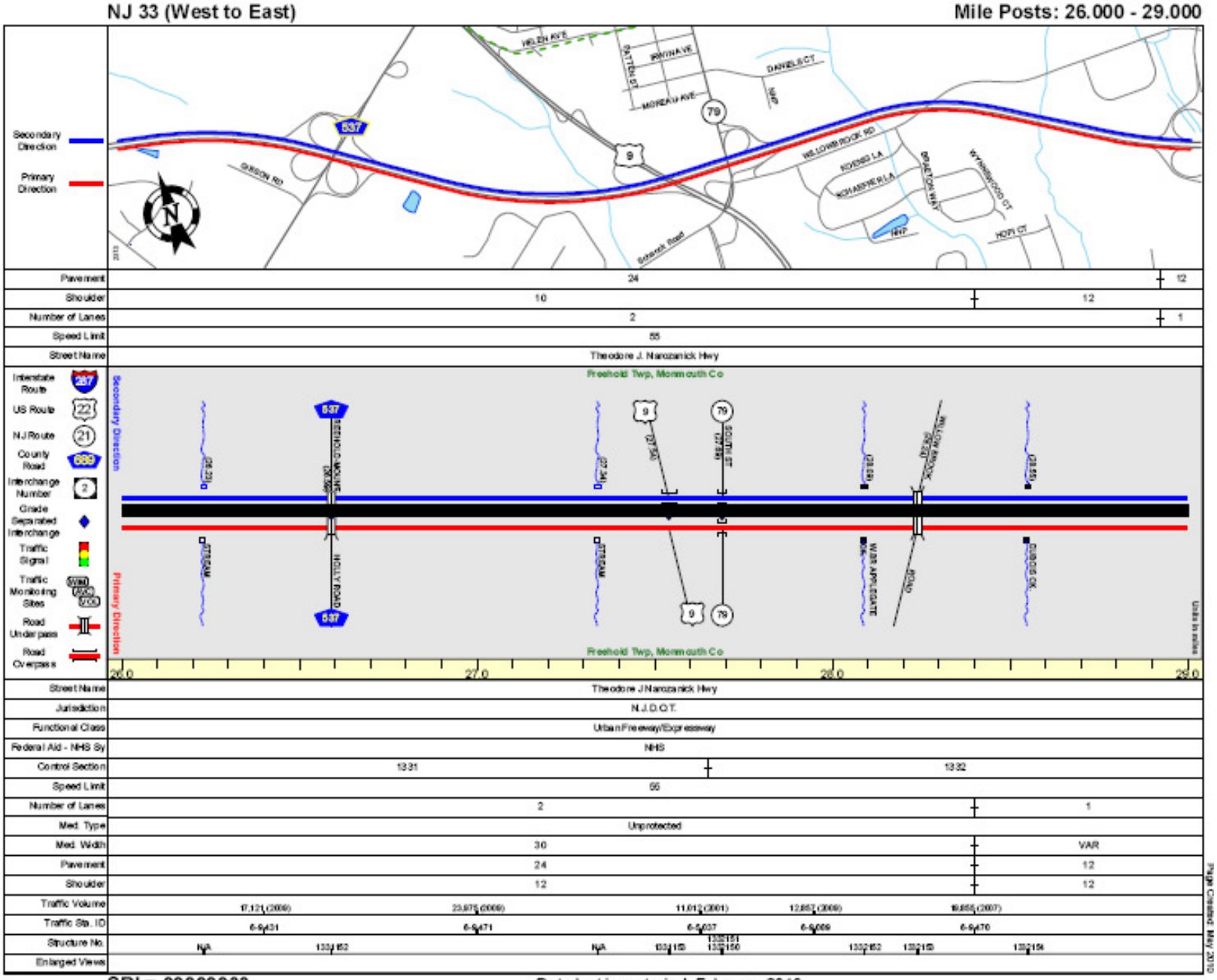


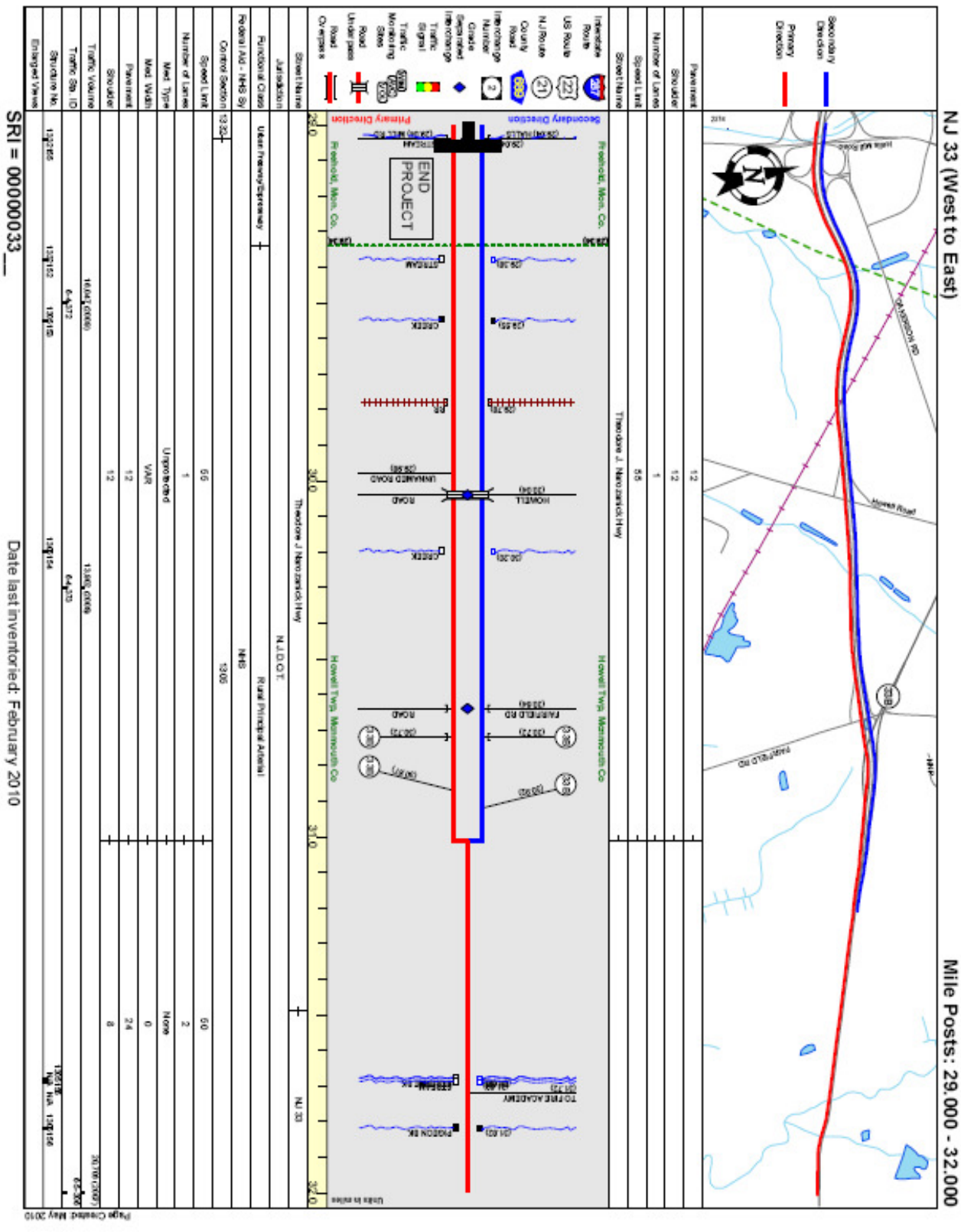
Street Name	NJ 33 + Theodore J Narozanick Hwy
Jurisdiction	N.J.D.O.T.
Functional Class	Urban Principal Arterial + Urban Freeway/Expressway
Federal Aid - NHS Sy	NHS
Control Section	1304 + 1331
Speed Limit	55
Number of Lanes	2
Med. Type	Unprotected
Med. Width	30
Pavement	24
Shoulder	12
Traffic Volume	26,500 (2006) / 29,725 (2006) / 18,372 (2007) 9,686 (2003)
Traffic Sta. ID	8-1,510 / 8-1,508 / 8-5,435 8-5,439
Structure No.	1304155 1304156 / 1304157 / 1331151
Enlarged Views	

SRI = 00000033

Date last inventoried: February 2010

Page Created: May 2010


NJ 33 (West to East)
Mile Posts: 26.000 - 29.000
Secondary Direction
Primary Direction
Pavement
Shoulder
Number of Lanes
Speed Limit
Street Name
Theodore J. Narozanick Hwy
Freehold Twp, Monmouth Co
Interstate Route
US Route
NJ Route
County Road
Interchange Number
Grade Separated Interchange
Traffic Signal
Traffic Monitoring Sites
Road Underpass
Road Overpass
Secondary Direction
Primary Direction
26.0
27.0
28.0
29.0
Jurisdiction
N.J.D.O.T.
Functional Class
Urban Freeway/Expressway
Federal Aid - NHS Sy
NHS
Control Section
1331
1332
Med. Type
Unprotected
Med. Width
VAR
Traffic Volume
17,121 (2009)
23,975 (2009)
11,012 (2001)
12,857 (2009)
19,855 (2007)
Traffic Sta. ID
6-9431
6-9471
6-9437
6-9469
6-9470
Structure No.
NA
133152
NA
133150
133151
133152
133153
133154
Enlarged Views
SRI = 00000033__
Date last inventoried: February 2010


NJ 33 (West to East)
Mile Posts: 29.000 - 32.000
SRI = 00000033
Date last inventoried: February 2010
END PROJECT

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:

IF HOLIDAY FALLS ON	**NO LANE CLOSURE PERMITTED**
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. In 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

50.11

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

State of New Jersey
Department of Transportation

AS-BUILT PLANS OF

ROUTE 33 FREEWAY SECTIONS 1A & 2A

From Manalapan Brook to East of Route 79

GRADING, PAVING and BRIDGE STRUCTURES

Townships of Manalapan and Freehold — Monmouth County

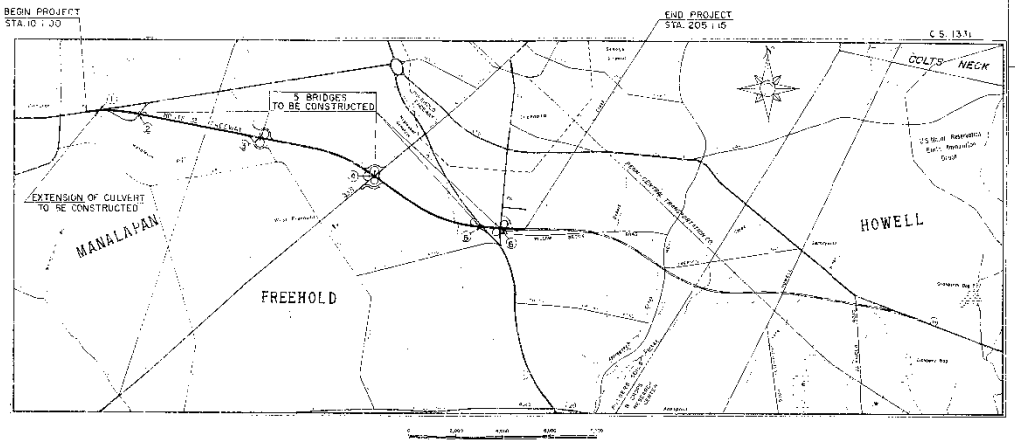
Scales as Indicated — June 1972

STRUCTURES IN THIS CONTRACT

1. CULVERT, MANALPAN BROOK
2. UNDERPASS, RAMP N
3. UNDERPASS WEMROCK ROAD
4. UNDERPASS, COUNTY ROUTE 527
5. OVERPASS, U.S. ROUTE 9
6. OVERPASS, ROUTE 79

NOTE

Driveways subject to the approval of the Engineer of Permits



KEY MAP

DESIGN DATA

ROUTE 33 FREEWAY

ADT - (1985) (2 WAY)	=	81,600
DHV - (2 WAY)	=	4,270
D	=	67%
T	=	5%
V	=	70 M.P.H.

STANDARD HIGHWAY SPECIFICATIONS OF 1961 TO GOVERN

LENGTH OF PROJECT = 19,515 LIN. FT. = 3.696 MILES

INDEX

PART NO.	SHEET NO.	DESCRIPTION
1	1	KEY
	2-4	ESTIMATE OF QUANTITIES
	5-16	DISTRIBUTION OF QUANTITIES
	17-19	TYPICAL SECTIONS
	20-70	CONSTRUCTION PLANS
	71-95	PROFILES
	96-99	TIE SHEETS
	100-119	GRADE SHEETS
	120	STAGE CONSTRUCTION
	121-140	ELECTRICAL PLANS (SIGNING & LIGHTING)
	141-147	ELECTRICAL DETAILS
	148-151	SIGNING DETAILS
	152-196	LANDSCAPE PLANS
	197-200	METHOD OF CROSS SECTIONS
2	201-269	CROSS SECTION SHEETS
	270	EARTHWORK SUMMARY
	271-272	EARTHWORK CHARTS
	273-290	CONSTRUCTION DETAILS
	291-297	BRIDGE PLANS
	298-365	BREAKAWAY SIGN DETAILS

PART 1 OF PLANS

Submitted by _____ Asst. Engineer — Date _____

Approved by _____ Chief Project Engineer — Date 10-26-72

Approved by _____ Commissioner of Transportation — Date _____

365

FOSTER AND RIPA ASSOCIATES, INC. CONSULTING ENGINEERS MARLTON, N.J.

1331001 | 404

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 1 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	X
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:* ***N****eeds* ***F****urther* ***I****nvestigation 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

1 State	34 New Jersey	8 Struc Num:	1304157
7 Facility Carried:	ROUTE 33	9 Location:	0.3 MI. E OF CR 527
5A Rte.(On/Under):	Route On Structure	5B Rte. Signing Prefix:	3 -State Hwy
5C Level of Service:	1 -Mainline	5D Rte. Number:	00033
5E Directional Suffix:	0- Not Applicable	% Responsibility :	NA
2 SHD District	02- Central	3 County Code:	Monmouth
4 Place Code:	Manalapan (Township of),	11 Mile Post:	24.320 mi
6 Feature Intersected :	MANALAPAN BROOK		
16 Latitude:	40d 15' 14.02"	17 Longitude:	074d 20' 09.24"
98 Border Bridge Code:	-1 Unknown (P)		
99 Border Bridge Number:	NA		

STRUCTURE TYPE AND MATERIALS

46 Number of Approach Spans : 0 45 Number of Spans Main Unit: 1

43A/B Main Span Material/Design

1 -Concrete 19 Culvert(Inc frm culv)

107 Deck Type:	N-N/A (NBI)
108A Wearing Surface:	N- N/A (no deck (NBI))
108B Membrane:	N -N/A (no deck (NBI))
108C Deck Protection:	N- N/A (no deck (NBI))

AGE AND SERVICE

27 Year Built:	1900	106 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:	30,020	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/Sdwlk Width L:	0.0 ft	50B Curb/Sidewalk Width R	0.0 ft
Width Curb to Curb 51 :	0.0 ft	52 Width Out to Out:	0.0 ft
32 Approach Roadway Width: (w/ shoulders)	18 ft	33 Median	3 Closed Med w/Barriers
Deck Area:	sq. ft		
34 Skew:	5.00 °	35 Structure Flared:	0 -No flare
53 Minimum Vertical Clearance Over Bridge:		9999	
54A Minimum Vertical Underclearance Reference:		N - Feature not hwy or RR	
54B Minimum Vertical Underclearance:		0.00 ft	
55A Minimum Lateral Underclearance Reference R:		N - Feature not hwy or RR	
55B Minimum Lateral Underclearance R:		0.00 ft	
56 Minimum Lateral Underclearance L:		0.00 ft	

INSPECTION

91 Frequency:	48 months	90 Inspection Date:	6/3/2009	Next Inspection:	06/03/2013
92A FC Frequency:	NA	92A FC Inspection Date:	NA	Next FC Inspection:	NA
92B UW Frequency:	NA	92B UW Inspection Date:	NA	Next UW Inspection:	NA
92C SI Frequency:	NA	92C SI Date:	NA	Next SI:	NA
Element Frequency:	48 months	Element Inspection Date:	06/03/2009	Next Elem. Insp. Due:	06/03/2013

CLASSIFICATION

100 STRAHNET Highway:	0 -Not a STRAHNET hwy	101 Parallel Structure:	N -No || bridge exists
102 Direction of Traffic:	2 -2-way traffic	103 Temporary Structure:	_ Blank
104 Highway System:	1 -On the NHS	112 NBIS Length:	N - Too Short
20 Toll Facility:	3 -On free road	26 Functional Class:	14 -Urban Other Princ
37 Historical Significance:	4 -Hist sign not determ.		
22 Owner:	01 NJDOT		
21 Custodian:	01 NJDOT		

CONDITION

58 Deck:	N -Not Applicable	59 Super:	N -Not Applicable	60 Sub:	N -Not Applicable
62 Culvert:	6 -Deterioration	61 Channel/Channel Protection:		8 -Protected	

LOAD RATING AND POSTING

65 Inventory Rating Method:	2 -AS Allowable Stres	63 Operating Rating Method:	2 -AS Allowable Stress
66 Inventory Rating:	HS6.0	64 Operating Rating:	HS89.9
31 Design Load:	0 -Other or Unknown	70 Posting:	5 At/Above Legal Loads
41 Posting status:	A -Oper, no restriction		

APPRAISAL

36A Bridge Rail:	N -N/A or not required	36C Approach Rail	N -N/A or not required
36B Transition:	N -N/A or not required	36D Approach Rail Ends:	N -N/A or not required
67 Str. Evaluation:	8	68 Deck Geometry	N Not applicable
69 Underclearance, Vertical and Horizontal:	N -Not applicable		
71 Waterway Adequacy:	9 -Above Desirable	72 Aproach Alignment:	8 -Equal Desirable Crit
113 Scour Critical:	3 -Stable Above Footing		

PROPOSED IMPROVEMENTS

94 Bridge Cost:	$119,000	75 Type of Work:	35
95 Roadway Cost:	$80,000	76 Length of Improvment:	10 ft
96 Total Cost:	$251,000	114 Future ADT:	36,020
97 Year of Cost Estimate:	2009	115 Year of Future ADT:	2029

NAVIGATION DATA

38 Navigation Control	0 0 -Permit Not Required		
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/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	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

1 State:	34 New Jersey	8 Struc Num:	1331151
7 Facility Carried:	WEMROCK ROAD	9 Location:	0.91 MI WEST OF RT537
5A Rte.(On/Under):	Route On Structure	5B Rte. Signing Prefix:	6-Other (incl toll rds)
5C Level of Service:	0-None of the below	5D Rte. Number:	00000
5E Directional Suffix:	0-Not Applicable	% Responsibility :	NA
2 SHD District:	02- Central	3 County Code:	Monmouth
4 Place Code:	Freehold (Township of),	11 Mile Post:	0.000 mi
6 Feature Intersected :	RT 33 FREEWAY		
16 Latitude:	40d 15' 00.00"	17 Longitude:	074d 15' 36.00"
98 Border Bridge Code:	-1 Unknown (P)		
99 Border Bridge Number:	NA		

STRUCTURE TYPE AND MATERIALS

46 Number of Approach Spans : 0 45 Number of Spans Main Unit: 2

43A/B Main Span Material/Design:

3 - Steel 02 - Stringer/Girder

107 Deck Type: 1 - Conc. - Cast-in-Place

108A Wearing Surface: 1 - Monolithic Concrete

108B Membrane: 0 - None

108C Deck Protection: 0 - None

AGE AND SERVICE

27 Year Built: 1974 106 Year Reconstructed: 0

42A Type of Service On: 5 -Highway-pedestrian

42B Type of Service Under: 1 -Highway

28A Lanes on: 4 28B Lanes Under: 0 19 Detour Length: 2.0 mi

29 ADT: 3,652 109 Truck ADT: 1 % 30 Year of ADT: 2007

GEOMETRIC DATA

48 Length Max Span: 135.0 ft 49 Structure Length: 275.0 ft

50A Curb/Sidewalk Width L: 1.5 ft 50B Curb/Sidewalk Width R: 6.0 ft

Width Curb to Curb 51: 50.0 ft 52 Width Out to Out: 61.5 ft

32 Approach Roadway Width: 50 ft (w/ shoulders) 33 Median: 0 No median

Deck Area: 16,995. sq. ft

34 Skew: 45.00 ° 35 Structure Flared: 0 -No flare

53 Minimum Vertical Clearance Over Bridge: 9999

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

INSPECTION

91 Frequency:	24 months	90 Inspection Date:	7/20/2009	Next Inspection:	07/20/2011
92A FC Frequency:	NA	93A FC Inspection Date:	NA	Next FC Inspection:	NA
92B UW Frequency:	NA	93B UW Inspection Date:	NA	Next UW Inspection:	NA
92C SI Frequency:	NA	93C SI Date:	NA	Next SI:	NA
Element Frequency:	24 months	Element Inspection Date:	07/20/2009	Next Elem. Insp. Due:	07/20/2011

CLASSIFICATION

100 STRAHNET Highway:	0 - Not a STRAHNET hwy	101 Parallel Structure:	N -No || bridge exists
102 Direction of Traffic:	2 - 2-way traffic	103 Temporary Structure:	_ Blank
104 Highway System:	0 - Not on NHS	112 NBIS Length:	Y - Long Enough
20 Toll Facility:	3 - On free road	26 Functional Class:	19 - Urban Local
37 Historical Significance:	4 -Hist sign not determ.		
22 Owner:	01 NJDOT		
21 Custodian:	01 NJDOT		

CONDITION

58 Deck:	6 - Satisfactory	59 Super:	8 - Very Good	60 Sub:	7 - Good
62 Culvert:	N - Not applicable	61 Channel/Channel Protection:		N - Not applicable	

LOAD RATING AND POSTING

65 Inventory Rating Method:	1 - LF Load Factor	63 Operating Rating Method:	1 - LF Load Factor
66 Inventory Rating:	HS51.0	64 Operating Rating:	HS84.0
31 Design Load:	6 - MS18(HS20)+mod	70 Posting:	5 At/Above Legal Loads
41 Posting status:	A -Open, no restriction		

APPRAISAL

36A Bridge Rail:	0 - Substandard	36C Approach Rail:	0 - Substandard
36B Transition:	0 - Substandard	36D Approach Rail Ends:	1 - Meets Standards
67 Str. Evaluation:	7	68 Deck Geometry:	3 Intolerable - Correct
69 Underclearance, Vertical and Horizontal:	3 - Intolerable - Correct		
71 Waterway Adequacy:	N - Not applicable	72 Approach Alignment:	6 - Equal Min Criteria
113 Scour Critical:	N - Not Over Waterway		

PROPOSED IMPROVEMENTS

94 Bridge Cost:	$675,000	75 Type of Work:	38
95 Roadway Cost:	$175,000	76 Length of Improvment:	275 ft
96 Total Cost:	$1,255,000	114 Future ADT:	4,415
97 Year of Cost Estimate:	2009	115 Year of Future ADT:	2027

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/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	12/3	Bare Concrete Deck	(SF)	16,995	0 %	0	100 %	16,995	0 %	0	0 %	0	0 %	0

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

1 State: 34 New Jersey | 8 Struc Num: 1331152
7 Facility Carried: CR537 & RAMPS | 9 Location: 0.33 MI WEST OF US9
5A Rte.(On/Under): Route On Structure | 5B Rte. Signing Prefix: 4 -County Hwy
5C Level of Service: 1 -Mainline | 5D Rte. Number: 00537
5E Directional Suffix: 0- Not Applicable | % Responsibility: Unknown
2 SHD District: 03- Central | 3 County Code: Monmouth
4 Place Code: Freehold (Township of) | 11 Mile Post: 50.910 mi
6 Feature Intersected: NJ RT 33 FREEWAY
16 Latitude: 40d 14' 48.95" | 17 Longitude: 074d 17' 40.29"
98 Border Bridge Code: -2 Not Applicable (P
99 Border Bridge Number:

STRUCTURE TYPE AND MATERIALS

45 Number of Approach Spans: 0 | 45 Number of Spans Main Unit: 2
43A/B Main Span Material/Design:
3 - Steel | 02 -Stringer/Girder
107 Deck Type: 1 - Conc.-Cast in Place
108A Wearing Surface: 1 -Monolithic Concrete
108B Membrane: 0- None
108C Deck Protection: 0- None

AGE AND SERVICE

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: 4 | 28B Lanes Under: 6 | 19 Detour Length: 1.0 mi
29 ADT: 13,463 | 109 Truck ADT: 4% | 30 Year of ADT: 2010

GEOMETRIC DATA

48 Length Max Span: 96.0 ft | 49 Structure Length: 194.0 ft
50A Curb/Sdwlk Width L: 1.5 ft | 50B Curb/Sidewalk Width R: 4.0 ft
Width Curb to Curb 51: 50.0 ft | 52 Width Out to Out: 61.8 ft
32 Approach Roadway Width (w/ shoulders): 56 ft | 33 Median: 0 No median
Deck Area: 11,989. sq. ft
34 Skew: 17.00 ° | 35 Structure Flared: 1 - Yes, flared
53 Minimum Vertical Clearance Over Bridge: 9999
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: 27.30 ft
56 Minimum Lateral Underclearance L: 17.40 ft

INSPECTION

91 Frequency: 24 months | 90 Inspection Date: 4/29/2010 | Next Inspection: 04/29/2012
92A FC Frequency: NA | 93A FC Inspection Date: NA | Next FC Inspection: NA
92B UW Frequency: NA | 93B UW Inspection Date: NA | Next UW Inspection: NA
92C SI Frequency: NA | 93C SI Date: NA | Next SI: NA
Element Frequency: 24 months | Element Inspection Date: 04/29/2010 | Next Elem. Insp. Due: 04/29/2012

CLASSIFICATION

100 STRAHNET Highway: 0 -Not a STRAHNET hwy | 101 Parallel Structure: N -No || bridge exists
102 Direction of Traffic: 2 -2-way traffic | 103 Temporary Structure: _ Blank
104 Highway System: 0 -Not on NHS | 112 NBIS Length: Y - Long Enough
20 Toll Facility: 3 -On free road | 26 Functional Class: 16- Urban Minor Arterial
37 Historical Significance: 4 -Hist sign not determ.
22 Owner: 01 NJDOT
21 Custodian: 01 NJDOT

CONDITION

58 Deck: 6 -Satisfactory | 59 Super: 7 -Good | 60 Sub: 7 -Good
62 Culvert: N -Not applicable | 61 Channel/Channel Protection: N -Not applicable

LOAD RATING AND POSTING

63 Inventory Rating Method: 1 LF Load Factor | 65 Operating Rating Method: 1 LF Load Factor
66 Inventory Rating: HS49.4 | 64 Operating Rating: HS82.0
31 Design Load: 6- MS18(HS20)+mod | 70 Posting: 5 At/Above Legal Loads
41 Posting status: A -Open, no restriction

APPRAISAL

36A Bridge Rail: 0 -Substandard | 36C Approach Rail: 0 -Substandard
36B Transition: 0 -Substandard | 36D Approach Rail Ends: 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: 8 -Equal Desirable Crit
113 Scour Critical: N -Not Over Waterway

PROPOSED IMPROVEMENTS

94 Bridge Cost: $940,000 | 75 Type of Work: 38
95 Roadway Cost: $200,000 | 76 Length of Improvement: 194 ft
96 Total Cost: $1,264,000 | 114 Future ADT: 16,650
97 Year of Cost Estimate: 2010 | 115 Year of Future ADT: 2030

NAVIGATION DATA

38 Navigation Control: N N -N/A-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/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	12/3	Bare Concrete Deck	(SF)	11,989	0%	0	100 %	11,989	0 %	0	0 %	0	0 %	0

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

1 State: 34 New Jersey — 8 Struc Num: 1331153
7 Facility Carried: RT NJ 33 FRWY WB — 9 Location: 0.2 MI WEST OF RT 79
5A Rte.(On/Under): Route On Structure — 5B Rte. Signing Prefix: 3 - State Hwy
5C Level of Service: 1 - Mainline — 5D Rte. Number: 0033F
5E Directional Suffix: 0- Not Applicable — % Responsibility: Unknown
2 SHD District: 03- Central — 3 County Code: Monmouth
4 Place Code: Freehold (Township of), — 11 Mile Post: 27.540 mi
6 Feature Intersected: US 9
16 Latitude: 40d 14' 30.48" — 17 Longitude: 074d 16' 42.93"
98 Border Bridge Code: -2 Not Applicable (P)
99 Border Bridge Number

INSPECTION

91 Frequency: 24 months — 90 Inspection Date: 5/17/2010 — Next Inspection: 05/17/2012
92A FC Frequency: NA — 93A FC Inspection Date: NA — Next FC Inspection: NA
92B UW Frequency: NA — 93B UW Inspection Date: NA — Next UW Inspection: NA
92C SI Frequency: NA — 93C SI Date: NA — Next SI: NA
Element Frequency: 24 months — Element Inspection Date: 05/17/2010 — Next Elem. Insp. Due: 05/17/2012

CLASSIFICATION

100 STRAHNET Highway: 0 - Not a STRAHNET hwy — 101 Parallel Structure: L - Left of || bridge
102 Direction of Traffic: 1 - 1-way traffic — 103 Temporary Structure: _ Blank
104 Highway System: 1 - On the NHS — 110 NBIS Length: Y - Long Enough
20 Toll Facility: 3 - On free road — 26 Functional Class: 12 - Urban Fwy/Expwy
37 Historical Significance: 4 - Hist sign not determ.
22 Owner: 01 NJDOT
21 Custodian: 01 NJDOT

STRUCTURE TYPE AND MATERIALS

46 Number of Approach Spans: 0 — 45 Number of Spans Main Unit: 2
43A/B Main Span Material/Design:
3 - Steel — 02 - Stringer/Girder

107 Deck Type: 1 - Conc.-Cast-in-Place
108A Wearing Surface: 1 - Monolithic Concrete
108B Membrane: 0- None
108C Deck Protection: 0- None

CONDITION

58 Deck: 6 - Satisfactory — 59 Super: 7 - Good — 60 Sub: 7 - Good
62 Culvert: N - Not applicable — 61 Channel/Channel Protection: N - Not applicable

AGE AND SERVICE

27 Year Built: 1974 — 106 Year Reconstructed: -4
42A Type of Service On: 1 - Highway
42B Type of Service Under: 1 - Highway
28A Lanes on: 4 — 28B Lanes Under: 4 — 19 Detour Length: 2.0 mi
29 ADT: 18,130 — 109 Truck ADT: 5 % — 30 Year of ADT: 2008

LOAD RATING AND POSTING

65 Inventory Rating Method: 1 - LF Load Factor — 63 Operating Rating Method: 1 - LF Load Factor
66 Inventory Rating: HS51.0 — 64 Operating Rating: HS86.0
31 Design Load: 6- MS18/HS20+mod — 70 Posting: 5 At/Above Legal Loads
41 Posting status: A - Open, no restriction

GEOMETRIC DATA

48 Length Max Span: 113.0 ft — 49 Structure Length: 225.0 ft
50A Curb/Sdwlk Width L: 0.8 ft — 50B Curb/Sidewalk Width R: 0.8 ft
Width Curb to Curb 51: 53.0 ft — 52 Width Out to Out: 58.3 ft
32 Approach Roadway Width (w/ shoulders): 53 ft — 33 Median: 0 No median
Deck Area: 13,117.5 sq. ft
34 Skew: 45.00 ° — 35 Structure Flared: 0- No flare
53 Minimum Vertical Clearance Over Bridge: 9999
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: 18.00 ft
56 Minimum Lateral Underclearance L: 9.00 ft

APPRAISAL

36A Bridge Rail: 0 - Substandard — 36C Approach Rail: 0 - Substandard
36B Transition: 0 - Substandard — 36D Approach Rail Ends: 1 - Meets Standards
67 Str. Evaluation: 7 — 68 Deck Geometry: 4 Tolerable
69 Underclearance, Vertical and Horizontal: 6 - Equal Minimum
71 Waterway Adequacy: N - Not applicable — 72 Approach Alignment: 8 - Equal Desirable Crit
113 Scour Critical: N - Not Over Waterway

PROPOSED IMPROVEMENTS

94 Bridge Cost: ($1) — 75 Type of Work: -1
95 Roadway Cost: ($1) — 76 Length of Improvement: -3 ft
96 Total Cost: ($1) — 114 Future ADT: 21750
97 Year of Cost Estimate: 0 — 115 Year of Future ADT: 2028

NAVIGATION DATA

38 Navigation Control: N N - N/A-Nowaterway
39 Vertical Clearance: 0.0 ft — 40 Horizontal Clearance: 0.0 ft
111 Pier Protection: _ NotApplicable — 116 Lift 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	12/3	Bare Concrete Deck	(SF)	13,113	0 %	0	100 %	13,113	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

1 State: 34 New Jersey 2 Struct Num: 1332150

7 Facility Carried: NJ ROUTE 33F WB 9 Location: 0.2M EA ST OF US9

5A Rte.(On/Under): Route On Structure 5B Rte. Signing Prefix: 3 - State Hwy

5C Level of Service: 1 - Mainline 5D Rte. Number: 00033

5E Directional Suffix: 0 - Not Applicable % Responsibility: NA

2 St.-Cl District: 03 - Central 3 County Code: Monmouth

4 Place Code: Freehold, Monmouth 11 Mile Post: 27.693 mi

6 Feature Intersected: NJ RS UTE 79

16 Latitude: 40d 14' 50.00" 17 Longitude: 074d 10' 30.00"

98 Border Bridge Code: - 2 (Not Applicable (F)

99 Border Bridge Number: NA

STRUCTURE TYPE AND MATERIALS

46 Number of Approach Spans : 0 45 Number of Spans Main Unit: 1

43A/B Main Span Material/Design:

3 - Steel 02 - Stringer/Girder

107 Deck Type: 1 - Conc. - Cast-in-Place

108A Wearing Surface: 1 - Monolithic Concrete

108B Membrane: 0 - None

108C Deck Protection: 0 - None

AGE AND SERVICE

27 Year Built: 1974 106 Year Reconstructed: 0

42A Type of Service On: 1 - Highway

42B Type of Service Under: 1 - Highway

28A Lanes on: 4 28B Lanes Under: 4 19 Detour Length: 1.0 mi

29 ADT: 13,625 109 Truck ADT: 5 % 30 Year of ADT: 2007

GEOMETRIC DATA

48 Length Max Span: 110.0 ft 49 Structure Length: 115.0 ft

50A Curb/Sdwlk Width L: 0.0 ft 50B Curb/Sidewalk Width R: 0.0 ft

Width Curb to Curb Sf: 0.0 ft 52 Width Out to Out: 62.5 ft

32 Approach Roadway Width: 56 ft (w/ shoulder) 33 Median: 0 No median

Deck Area: 7,646.3 sq. ft

34 Skew: 2.00 ° 35 Structure Flared: 1 - Yes, flared

53 Minimum Vertical Clearance Over Bridge: 9999

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

INSPECTION

91 Frequency: 24 months 90 Inspection Date: 7/23/2009 Next Inspection: 07/23/2011

92A FC Frequency: NA 92A FC Inspection Date: NA Next FC Inspection: NA

92B UW Frequency: NA 92B UW Inspection Date: NA Next UW Inspection: NA

92C SI Frequency: NA 92C SI Date: NA Next SI: NA

Element Frequency: 24 months Element Inspection Date: 07/23/2009 Next Elem. Insp. Due: 07/23/2011

CLASSIFICATION

100 STRAHNET Highway: 0 - Not a STRAHNET hwy 101 Parallel Structure: L - Left of ( ) bridge

102 Direction of Traffic: 1 - 1 - way traffic 103 Temporary Structure: _ Blank

104 Highway System: 1 - On the NHS 112 NBIS Length: Y - Long Enough

20 Toll Facility: 3 - On free road 26 Functional Class: 12 - Urban Fwy/Expwy

37 Historical Significance: 4 - Not sign not determ.

22 Owner: 01 NJDOT

21 Custodian: 01 NJDOT

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 RATING AND POSTING

65 Inventory Rating Method: 1 - LF Load Factor 63 Operating Rating Method: 1 - LF Load Factor

66 Inventory Rating: HS45.0 64 Operating Rating: HS72.0

31 Design Load: 5 - MS 18 (HS 20) 70 Posting: 5 - At/Above Legal Loads

41 Posting status: A - Open, no restriction

APPRAISAL

36A Bridge Rail: 0 - Substandard 36C Approach Rail: 0 - Substandard

36B Transition: 0 - Substandard 36D Approach Rail Ends: 1 - Meets Standards

67 Str. Evaluation: 7 68 Deck Geometry: 4 Tolerable

69 Underclearance, Vertical and Horizontal: 4 - Tolerable

71 Waterway Adequacy: N - Not applicable 72 Approach Alignment: 8 - Equal Desirable Crit

113 Scour Critical: N - Not Over Waterway

PROPOSED IMPROVEMENTS

94 Bridge Cost: ($.0) 75 Type of Work: - 1

95 Roadway Cost: ($.0) 76 Length of Improvement: - 3 ft

96 Total Cost: ($.0) 114 Future ADT: 20,563

97 Year of Cost Estimate: - 1 115 Year of Future ADT: 2027

NAVIGATION DATA

38 Navigation Control: N N - N/A Not 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/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	12/3	Bare Concrete Deck	(SF)	7,642	100 %	7,642	0 %	0	0 %	0	0 %	0	0 %	0

StructNum: 1332151

NJDOT SI and A Sheet

Name: NJ ROUTE 33 FRWY EB OVER NJ RT 79 **S.R.:** 98 **SD/FO-** 0 -Not Deficient

IDENTIFICATION

1 State: 34 New Jersey | 8 Struct. Num: 1332151
7 Facility Carried: NJ RT 33 FWY EB | 9 Location: 0.2 MI EAST OF US 9
5A Rte.(On/Under): Route On Structure | 5B Rte. Signing Prefix: 3 -State Hwy
5C Level of Service: 1 -Mainline | 5D Rte. Number: 0033F
5E Directional Suffix: 0- Not Applicable | % Responsibility: Unknown
2 SHD District: 03- Central | 3 County Code: Monmouth
4 Place Code: Freehold (Township of) | 11 Mile Post: 27.690 mi
6 Feature Intersected: NJ RT 79
16 Latitude: 40d 14' 56.10" | 17 Longitude: 074d 15' 30.72"
98 Border Bridge Code: -1 Unknown (P)
99 Border Bridge Number:

STRUCTURE TYPE AND MATERIALS

46 Number of Approach Spans: 0 | 45 Number of Spans Main Unit: 1
43A/B Main Span Material/Design:
3 - Steel | 02 - Stringer/Girder

107 Deck Type: 1 - Concrete Cast-in-Place
108A Wearing Surface: 1 - Monolithic Concrete
108B Membrane: 0 - None
108C Deck Protection: 0 - None

AGE AND SERVICE

27 Year Built: 1974 | 106 Year Reconstructed:
42A Type of Service On: 1 - Highway
42B Type of Service Under: 1 - Highway
28A Lanes on: 2 | 28B Lanes Under: 3 | 19 Detour Length: 0.0 mi
29 ADT: 12,100 | 109 Truck ADT: 4 % | 30 Year of ADT: 2008

GEOMETRIC DATA

48 Length Max Span: 110.0 ft | 49 Structure Length: 113.0 ft
50A Curb/Sdwlk Width L: 0.0 ft | 50B Curb/Sidewalk Width R: 0.9 ft
Width Curb to Curb 51: 61.7 ft | 52 Width Out to Out: 66.0 ft
32 Approach Roadway Width (w/ shoulders): 67 ft | 33 Median: 0 No median
Deck Area: 7,451.4 sq. ft
34 Skew: 2.00 ° | 35 Structure Flared: 1 - Yes, flared
53 Minimum Vertical Clearance Over Bridge: 9999
54A Minimum Vertical Underclearance Reference: H - Hwy beneath struct
54B Minimum Vertical Underclearance: 15.30 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

INSPECTION

91 Frequency: 24 months | 90 Inspection Date: 7/14/2009 | Next Inspection: 07/14/2011
92A FC Frequency: NA | 93A FC Inspection Date: NA | Next FC Inspection: NA
92B UW Frequency: NA | 93B UW Inspection Date: NA | Next UW Inspection: NA
92C SI Frequency: NA | 93C 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 STRAHNET Highway: 0 - Not a STRAHNET hwy | 101 Parallel Structure: R - Right of || bridge
102 Direction of Traffic: 1 - 1-way traffic | 103 Temporary Structure: Blank
104 Highway System: 1 - On the NHS | 110 NBIS Length: Y - Long Enough
20 Toll Facility: 3 - On free road | 26 Functional Class: 12 - Urban Fwy/Expwy
37 Historical Significance: 4 - Hist. sign. not determ.
22 Owner: 01 NJDOT
21 Custodian: 01 NJDOT

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 RATING AND POSTING

65 Inventory Rating Method: 1 - LF Load Factor | 63 Operating Rating Method: 1 - LF Load Factor
66 Inventory Rating: HS54.0 | 64 Operating Rating: HS89.9
31 Design Load: 6 - MS18(HS20)+mod | 70 Posting: 5 At/Above Legal Loads
41 Posting status: A - Open, no restriction

APPRAISAL

36A Bridge Rail: 0 - Substandard | 36C Approach Rail: 0 - Substandard
36B Transition: 0 - Substandard | 36D Approach Rail Ends: 1 - Meets Standards
67 Str. Evaluation: 7 | 68 Deck Geometry: 9 Above Desirable Crit
69 Underclearance, Vertical and Horizontal: 6 - Equal Minimum
71 Waterway Adequacy: N - Not applicable | 72 Approach Alignment: 8 - Equal Desirable Crit
113 Scour Critical: N - Not Over Waterway

PROPOSED IMPROVEMENTS

94 Bridge Cost: ($K) | 75 Type of Work: -1
95 Roadway Cost: ($K) | 76 Length of Improvement: -3 ft
96 Total Cost: ($K) | 114 Future ADT: 15700
97 Year of Cost Estimate: 0 | 115 Year of Future ADT: 2029

NAVIGATION DATA

38 Navigation Control: N N - N/A 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/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	12/3	Bare Concrete Deck	(SF)	7,570	100 %	7,570	0 %	0	0 %	0	0 %	0	0 %	0

StructNum: 1332152 — NJDOT SI and A Sheet

Name : ROUTE 33 OVER W. BR. APPLEGATE CREEK   S.R.: 82.2   SD/FO- N

IDENTIFICATION

1 State: 34 New Jersey   8 Struct Num: 1332152
7 Facility Carried: ROUTE 33   9 Location: 0.4 MI. E. OF RT 7 9
5A Rte(On/Under): Route On Structure   5B Rte. Signing Prefix: 3 -State Hwy
5C Level of Service: 1 -Mainline   5D Rte. Number: 00033
5E Directional Suffix: 0- Not Applicable   % Responsibility: NA
2 SHO District: 02- Central   3 County Code: Monmouth
4 Place Code: Freehold (Township of)   11 Mile Post: [illegible] mi
6 Feature Intersected: W BR APPLEGATE CREEK
16 Latitude: [illegible]   17 Longitude: [illegible]
98 Border Bridge Code: -1 Unknown (P)
99 Border Bridge Number: NA

STRUCTURE TYPE AND MATERIALS

45 Number of Approach Spans: 0   46 Number of Spans Main Unit: 1
43A/B Main Span Material/Design:
1 -Concrete   19 Culvert(incl frm culv)
107 Deck Type: N-N/A (NBI)
108A Wearing Surface: N- N/A (no deck (NBI)
108B Membrane: N- N/A (no deck (NBI)
108C Deck Protection: N- N/A (no deck (NBI)

AGE AND SERVICE

27 Year Built: [illegible]   106 Year Reconstructed: -1
42A Type of Service On: 1 -Highway
42B Type of Service Under: 5 -Waterway
28A Lanes on: 4   28B Lanes Under: 0   19 Detour Length: [illegible] mi
29 ADT: 11,[illegible]   109 Truck ADT: 8 %   30 Year of ADT: [illegible]

GEOMETRIC DATA

48 Length Max Span: 11.0 ft   49 Structure Length: 11.0 ft
50A Curb/Sidewalk Width L: 0.0 ft   50B Curb/Sidewalk Width R: 0.0 ft
Width Curb to Curb on: 0.0 ft   52 Width Out to Out: 0.0 ft
32 Approach Roadway Width (w/ shoulders): [illegible] ft   33 Median: 1 Open median
Deck Area: . sq. ft
34 Skew: [illegible]   35 Structure Flared: 0- No flare
53 Minimum Vertical Clearance Over Bridge: [illegible]
54A Minimum Vertical Underclearance Reference: N - Feature not hwy or RR
54B Minimum Vertical Underclearance: 0.00 ft
55A Minimum Lateral Underclearance Reference R: N - Feature not hwy or RR
55B Minimum Lateral Underclearance R: 0.00 ft
56 Minimum Lateral Underclearance L: 0.00 ft

INSPECTION

91 Frequency: 24 months   90 Inspection Date: [illegible]   Next Inspection: [illegible]
92A FC Frequency: NA   93A FC Inspection Date: NA   Next FC Inspection: NA
92B UW Frequency: NA   93B UW Inspection Date: NA   Next UW Inspection: NA
92C SI Frequency: NA   93C SI Date: NA   Next SI: NA
Element Frequency: 24 months   Element Inspection Date: [illegible]   Next Elem. Insp. Due: [illegible]

CLASSIFICATION

100 STRAHNET Highway: 0 -Not a STRAHNET hwy   101 Parallel Structure: N-No || bridge exists
102 Direction of Traffic: 2 -2-way traffic   103 Temporary Structure: _ Blank
104 Highway System: 1 -On the NHS   110 NBIS Length: N- Too Short
20 Toll Facility: 3 -On free road   26 Functional Class: 12- Urban Fwy/Expwy
37 Historical Significance: 5 -Not eligible for NRHP
22 Owner: 01 NJDOT
21 Custodian: 01 NJDOT

CONDITION

58 Deck: N -Not Applicable   59 Super: N -Not Applicable   60 Sub: N -Not Applicable
62 Culvert: 7 -Minor Deterioration   61 Channel/Channel Protection: 6 -Bank Slumping

LOAD RATING AND POSTING

63 Inventory Rating Method: 2 -AS Allowable Stress   65 Operating Rating Method: 2 -AS Allowable Stress
66 Inventory Rating: [illegible]   64 Operating Rating: [illegible]
31 Design Load: 6- MS18 (HS20)+mod   70 Posting: 5 At/Above Legal Loads
41 Posting status: A -Open, no restriction

APPRAISAL

36A Bridge Rail: N -N/A or not required   36C Approach Rail: 0 -Substandard
36B Transition: N -N/A or not required   36D Approach Rail Ends: 1 -Meets Standards
67 Str. Evaluation: 7   68 Deck Geometry: N Not applicable
69 Underclearance, Vertical and Horizontal: N - Not applicable
71 Waterway Adequacy: 8 -Above Desirable   72 Approach Alignment: 8 -Equal Desirable Crit
113 Scour Critical: 8 -Stable Above Footing

PROPOSED IMPROVEMENTS

94 Bridge Cost: ($1)   75 Type of Work: -1
95 Roadway Cost: ($1)   76 Length of Improvement: -[illegible] ft
96 Total Cost: ($1)   114 Future ADT: [illegible]
97 Year of Cost Estimate: 0   115 Year of Future ADT: [illegible]

NAVIGATION DATA

38 Navigation Control: 0   0- Permit Not Required
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/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	241/3	Concrete Culvert	(LF)	1[illegible]	100 %	1[illegible]	0 %	0	0 %	0	0 %	0	0 %	0

StructNum: 1332153

NJDOT SI and A Sheet

Name: WILLOWBROOK ROAD OVER NJ RT 33F — S.R.: 96.9 — SD/FO- 0-Not Deficient

IDENTIFICATION

State	[illegible] New Jersey	Struc Num:	[illegible]
Facility Carried:	WILLOWBROOK ROAD	Location:	[illegible] MI EA ST OF US [illegible] JCT
5A Rte(On/Under):	Route On Structure	5B Rte. Signing Prefix:	[illegible] -City Street
5C Level of Service:	[illegible] -None of the below	5D Rte. Number:	[illegible]
5E Directional Suffix:	[illegible] -Not Applicable	Responsibility:	Unknown
SHO District:	[illegible] Central	County Code:	Monmouth
Place Code:	Freehold (Township of)	Mile Post:	[illegible] mi
Feature Intersected:	NJ ROUTE 33 FREEWAY		
Latitude:	[illegible]	Longitude:	[illegible]
Border Bridge Code:	[illegible] Not Applicable (P)		
Border Bridge Number:	Unknown		

STRUCTURE TYPE AND MATERIALS

Number of Approach Spans:	[illegible]	Number of Spans Main Unit:	[illegible]
43A/B Main Span Material/Design:			
[illegible] -Steel		[illegible] -Stringer/Girder	
107 Deck Type:	1- Conc - Cast in Place		
108A Wearing Surface:	1 - Monolithic Concrete		
108B Membrane:	0- None		
108C Deck Protection:	1- Epoxy Coated Reinfor.		

AGE AND SERVICE

27 Year Built:	[illegible]	106 Year Reconstructed:	[illegible]		
42A Type of Service On:	[illegible]- Highway-pedestrian				
42B Type of Service Under:	1 - Highway				
28A Lanes on:	[illegible]	28B Lanes Under:	[illegible]	19 Detour Length:	[illegible] mi
29 ADT:	[illegible]	109 Truck ADT:	[illegible] %	30 Year of ADT:	[illegible]

GEOMETRIC DATA

48 Length Max Span:	[illegible] ft	49 Structure Length:	[illegible] ft
50A Curb/Sidewalk Width L:	[illegible] ft	50B Curb/Sidewalk Width R:	[illegible] ft
Width Curb to Curb on:	[illegible] ft	52 Width Out to Out:	[illegible] ft
32 Approach Roadway Width (w/ shoulders):	[illegible] ft	33 Median:	0-No median
Deck Area:	[illegible] sq. ft		
34 Skew:	[illegible]	35 Structure Flared:	0- No flare
53 Minimum Vertical Clearance Over Bridge:	[illegible]		
54A Minimum Vertical Underclearance Reference:	H - Hwy beneath struct		
54B Minimum Vertical Underclearance:	[illegible] ft		
55A Minimum Lateral Underclearance Reference R:	H - Hwy beneath struct		
55B Minimum Lateral Underclearance R:	[illegible] ft		
56 Minimum Lateral Underclearance L:	[illegible] ft		

INSPECTION

91 Frequency:	[illegible] months	90 Inspection Date:	[illegible]	Next Inspection:	[illegible]
92A FC Frequency:	NA	93A FC Inspection Date:	NA	Next FC Inspection:	NA
92B UW Frequency:	NA	93B UW Inspection Date:	NA	Next UW Inspection:	NA
92C SI Frequency:	NA	93C SI Date:	NA	Next SI:	NA
Element Frequency:	[illegible] months	Element Inspection Date:	[illegible]	Next Elem. Insp Due:	[illegible]

CLASSIFICATION

100 STRAHNET Highway:	[illegible] -Not a STRAHNET hwy	101 Parallel Structure:	N- No bridge exists
102 Direction of Traffic:	[illegible] -way traffic	103 Temporary Structure:	_ Blank
104 Highway System:	[illegible] -Not on NHS	110 NBIS Length:	Y - Long Enough
20 Toll Facility:	[illegible] -On free road	26 Functional Class:	[illegible]- Urban Local
37 Historical Significance:	[illegible] -Not eligible for NRHP		
22 Owner:	[illegible] NJDOT		
21 Custodian:	[illegible] NJDOT		

CONDITION

58 Deck:	[illegible] -Very Good	59 Super:	[illegible] -Good	60 Sub:	[illegible] -Good
62 Culvert:	N -Not applicable	61 Channel/Channel Protection:	N -Not applicable		

LOAD RATING AND POSTING

63 Inventory Rating Method:	1- LF Load Factor	65 Operating Rating Method:	1 - LF Load Factor
66 Inventory Rating:	[illegible]	64 Operating Rating:	[illegible]
31 Design Load:	[illegible]- [illegible]	70 Posting:	[illegible] At/Above Legal Loads
41 Posting status:	A -Open, no restriction		

APPRAISAL

36A Bridge Rail:	[illegible] -Substandard	36C approach Rail:	[illegible] -Substandard
36B Transition:	[illegible] -Substandard	36D approach Rail Ends:	[illegible] -Substandard
67 Str. Evaluation:	[illegible]	68 Deck Geometry:	[illegible] Above Min Criteria
69 Underclearance, Vertical and Horizontal:	[illegible] -Equal Minimum		
71 Waterway Adequacy:	N Not applicable	72 Approach Alignment:	[illegible] -Equal Desirable Crit
113 Scour Critical:	N Not Over Waterway		

PROPOSED IMPROVEMENTS

94 Bridge Cost:	[illegible]	75 Type of Work:	[illegible]
95 Roadway Cost:	[illegible]	76 Length of Improvement:	[illegible] ft
96 Total Cost:	[illegible]	114 Future ADT:	[illegible]
97 Year of Cost Estimate:	[illegible]	115 Year of Future ADT:	[illegible]

NAVIGATION DATA

38 Navigation Control:	N N - N/A No waterway		
39 Vertical Clearance:	[illegible] ft	40 Horizontal Clearance:	[illegible] ft
111 Pier Protection:	_ Not Applicable	116 Lift 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	26/3	Conc Deck/Coated Bars	(SF)	13,957	100 %	13,957	0 %	0	0 %	0	0%	0	0%	0

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 Struc Num: 1332154
7 Facility Carried: ROUTE 33   9 Location: [illegible] MI. E. OF RT 79
5A Rte.(On/Under): Route On Structure   5B Rte. Signing Prefix: 3 -State Hwy
5C Level of Service: 1 -Mainline   5D Rte. Number: 00033
5E Directional Suffix: 0- Not Applicable   % Responsibility: NA
2 SHD District: 03- Central   3 County Code: Monmouth
4 Place Code: Freehold (Township of),   11 Mile Post: [illegible] mi
6 Feature Intersected: DUBOIS CREEK
16 Latitude: 40d 14' [illegible]"   17 Longitude: 074d 1[illegible]' [illegible]"
98 Border Bridge Code: -3 Not Applicable (P)
99 Border Bridge Number: NA

STRUCTURE TYPE AND MATERIALS

46 Number of Approach Spans: 0   45 Number of Spans Main Unit: 1
43A/B Main Span Material/Design:
1 -Concrete   19 Culvert(incl frm culv)
107 Deck Type: N-N/A (NBI)
108A Wearing Surface: N- N/A (no deck (NBI))
108B Membrane: N -N/A (no deck (NBI))
108C Deck Protection: N- N/A (no deck (NBI))

AGE AND SERVICE

27 Year Built: [illegible]   106 Year Reconstructed: -1
42A Type of Service On: 1 -Highway
42B Type of Service Under: 5 -Waterway
28A Lanes on: 4   28B Lanes Under: 0   19 Detour Length: [illegible] mi
29 ADT: [illegible]   109 Truck ADT: [illegible] %   30 Year of ADT: [illegible]

GEOMETRIC DATA

48 Length Max Span: [illegible] ft   49 Structure Length: [illegible] ft
50A Curb/Sdwlk Width L: 0.0 ft   50B Curb/Sidewalk Width R: 0.0 ft
Width Curb to Curb on: 0.0 ft   52 Width Out to Out: 0.0 ft
32 Approach Roadway Width (w/ shoulders): [illegible] ft   33 Median: 1 Open median
Deck Area: . sq. ft
34 Skew: [illegible]   35 Structure Flared: 0- No flare
53 Minimum Vertical Clearance Over Bridge: [illegible]
54A Minimum Vertical Underclearance Reference: N- Feature not hwy or RR
54B Minimum Vertical Underclearance: 0.00 ft
55A Minimum Lateral Underclearance Reference R: N- Feature not hwy or RR
55B Minimum Lateral Underclearance R: 0.00 ft
56 Minimum Lateral Underclearance L: 0.00 ft

INSPECTION

91 Frequency: 24 months   90 Inspection Date: [illegible]   Next Inspection: [illegible]
92A FC Frequency: NA   93A FC Inspection Date: NA   Next FC Inspection: NA
92B UW Frequency: NA   93B UW Inspection Date: NA   Next UW Inspection: NA
92C SI Frequency: NA   93C SI Date: NA   Next SI: NA
Element Frequency: 24 months   Element Inspection Date: [illegible]   Next Elem. Insp. Due: [illegible]

CLASSIFICATION

100 STRAHNET Highway: 0 -Not a STRAHNET hwy   101 Parallel Structure: N-No || bridge exists
102 Direction of Traffic: 2 -2-way traffic   103 Temporary Structure: _ Blank
104 Highway System: 1 -On the NHS   110 NBIS Length: N- Too Short
20 Toll Facility: 3 -On free road   26 Functional Class: 14- Urban Fwy/Expwy
37 Historical Significance: 5 -Not eligible for NRHP
22 Owner: 01 NJDOT
21 Custodian: 01 NJDOT

CONDITION

58 Deck: N -Not Applicable   59 Super: N -Not Applicable   60 Sub: N -Not Applicable
62 Culvert: 7 -Minor Deterioration   61 Channel/Channel Protection: 6 -Bank Slumping

LOAD RATING AND POSTING

63 Inventory Rating Method: 2 -AS Allowable Stress   65 Operating Rating Method: 2 -AS Allowable Stress
66 Inventory Rating: HS[illegible]   64 Operating Rating: HS[illegible]
31 Design Load: 6- MS18 (HS20)+mod   70 Posting: 5 At/Above Legal Loads
41 Posting status: A -Open, no restriction

APPRAISAL

36A Bridge Rail: N -N/A or not required   36C Approach Rail: 0 -Substandard
36B Transition: N -N/A or not required   36D Approach Rail Ends: 1 -Meets Standards
67 Str. Evaluation: 7   68 Deck Geometry: N Not applicable
69 Underclearance, Vertical and Horizontal: N - Not applicable
71 Waterway Adequacy: 8 -Above Desirable   72 Approach Alignment: 8 -Equal Desirable Crit
113 Scour Critical: 8 -Stable Above Footing

PROPOSED IMPROVEMENTS

94 Bridge Cost: ($1)   75 Type of Work: -1
95 Roadway Cost: ($1)   76 Length of Improvement: -0 ft
96 Total Cost: ($1)   114 Future ADT: [illegible]
97 Year of Cost Estimate: 0   115 Year of Future ADT: [illegible]

NAVIGATION DATA

38 Navigation Control: 0   0- Permit Not Required
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/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	241/3	Concrete Culvert	(LF)	150	100 %	150	0 %	0	0 %	0	0 %	0	0 %	0

Appendix H- Crash Data

NEW JERSEY DEPARTMENT OF TRANSPORTATION
MEMORANDUM

TO: Wagdi W. Gobrial
Division of Project Development

FROM: Kevin M. Conover, Section Chief
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.

CRASH RATE:

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**		

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**			

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%	0.76%	
Fixed Object	17	16.50%	12.01%	
Animal	43	41.75%	3.58%	
Pedestrian	1	0.97%	0.93%	
Pedalcycle	0	0.00%		
Non-Fixed Object	2	1.94%	0.80%	
Unknown	0	0.00%		
Other	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

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	DOW	TIME	VEH 1 CONTRIB CIRCUMSTANCES	VEH 2 CONTRIB CIRCUMSTANCES	NO. KIL	NO. MAJ	INJURED MOD	INJURED MIN	NO. ACC
STATE HWY	*RT 33*	*MP 024.30*	*NOT AT INTERSECTION*				*MANALAPAN TWP*			*MONMOUTH*	*0*	*0*	*0*	*0*	1
09090286	SAME DIR-REAR	E- PASS-MERGING	E- PASS-GOING STRT	RN/WT	DAY	05/04/09	MON	16:06	NONE-DRIVER/CYC	FOLLOW TO CLOSE	0	0	0	0	
STATE HWY	*RT 33*	*MP 024.32*	*NEAR MILLHURST ROAD*				*MANALAPAN TWP*			*MONMOUTH*	*0*	*0*	*0*	*0*	1
07056993	FIXED OBJECT	W- SUV-GOING STRT	- -	SN/SN	DARK	02/25/07	SUN	19:26	UNSAFE SPEED		0	0	0	0	
STATE HWY	*RT 33*	*MP 024.40*	*NOT AT INTERSECTION*				*MANALAPAN TWP*			*MONMOUTH*	*0*	*0*	*0*	*1*	4
07169341	SAME DIR-REAR	E- PASS-SLOW-STOP	E- PASS-GOING STRT	RN/WT	DAY	08/20/07	MON	17:29	NONE-DRIVER/CYC	DRI INATTENTION	0	0	0	1	
07218737	SAME DIR-REAR	E- PASS-STOP-TRAF	E- PASS-GOING STRT	CL/DR	DAY	10/02/07	TUE	08:56	NONE-DRIVER/CYC	FOLLOW TO CLOSE	0	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	0	
09106533	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	0	
STATE HWY	*RT 33*	*MP 024.51*	*NEAR CR 527*				*MANALAPAN TWP*			*MONMOUTH*	*0*	*0*	*0*	*2*	9
07041186	FIXED OBJECT	E- SUV-GOING STRT	- -	SL/SL	DAY	03/16/07	FRI	13:53	UNSAFE SPEED		0	0	0	1	
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	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	0	
07241368	ANIMAL	W- PASS-GOING STRT	- -	CL/DR	DARK	10/29/07	MON	20:51	ANIMALS IN RDWY		0	0	0	0	
07291121	SAME DIR-SIDE	E- PASS-GOING STRT	E- SUV-GOING STRT	RN/WT	DAY	12/23/07	SUN	08:27	NONE-DRIVER/CYC	DRI INATTENTION	0	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	0	
09034871	ANIMAL	W- PASS-GOING STRT	- -	CL/DR	DARK	02/17/09	TUE	17:58	ANIMALS IN RDWY		0	0	0	1	
09257428	SAME DIR-REAR	W- PASS-MERGING	W- PASS-MERGING	RN/WT	DAY	10/28/09	WED	16:14	DRI INATTENTION	NONE-DRIVER/CYC	0	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	*RT 33*	*MP 024.60*	*NEAR WEMROCK ROAD*				*MANALAPAN TWP*			*MONMOUTH*	*0*	*0*	*1*	*0*	1
09045572	ANIMAL	E- PASS-GOING STRT	- -	CL/DR	DAY	03/07/09	SAT	18:12	ANIMALS IN RDWY		0	0	1	0	
STATE HWY	*RT 33*	*MP 024.65*	*NOT AT INTERSECTION*				*MANALAPAN TWP*			*MONMOUTH*	*0*	*0*	*0*	*4*	6
07110829	SAME DIR-REAR	N- PASS-SLOW-STOP	N- PASS-GOING STRT	CL/DR	DAY	05/22/07	TUE	14:08	DRI INATTENTION	NONE-DRIVER/CYC	0	0	0	0	
07110101	SAME DIR-REAR	E- PASS-START TRAF	E- PASS-GOING STRT	CL/DR	DAY	06/06/07	WED	10:24	NONE-DRIVER/CYC	FOLLOW TO CLOSE	0	0	0	0	
07167523	SAME DIR-REAR	E- SUV-STOP-TRAF	E- PKUP-GOING STRT	CL/DR	DAY	06/28/07	THR	08:58	FOLLOW TO CLOSE	NONE-DRIVER/CYC	0	0	0	1	
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	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	2	
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	1	
STATE HWY	*RT 33*	*MP 024.75*	*NOT AT INTERSECTION*				*MANALAPAN TWP*			*MONMOUTH*	*0*	*0*	*0*	*0*	1
09054987	SAME DIR-REAR	E- PASS-SLOW-STOP	E- PASS-STOP-TRAF	RN/WT	DAY	03/26/09	THR	11:47	FOLLOW TO CLOSE	NONE-DRIVER/CYC	0	0	0	0	
STATE HWY	*RT 33*	*MP 024.80*	*NEAR RT 33 BUSINESS*				*MANALAPAN TWP*			*MONMOUTH*	*0*	*0*	*0*	*0*	1
09259405	ANIMAL	W- PASS-GOING STRT	- -	RN/WT	DARK	11/14/09	SAT	19:47	ANIMALS IN RDWY		0	0	0	0	
STATE HWY	*RT 33*	*MP 025.01*	*NEAR ROUTE 527 / MILLHURST RD / SWEET*				*MANALAPAN TWP*			*MONMOUTH*	*0*	*0*	*0*	*1*	8

County-Municipality Restrictions: 1: 2:

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	DOW TIME	VEH 1 CONTRIB CIRCUMSTANCES	VEH 2 CONTRIB CIRCUMSTANCES	NO. KIL	NO. MAJ	INJURED MOD	INJURED MIN	NO. ACC
STATE HWY	RT 33	MP 025.01	NEAR ROUTE 527 / MILLHURST RD / SWEET				MANALAPAN TWP		MONMOUTH	0	0	0	1	1
08224312	ANIMAL	E- PASS-GOING STRT	- -	CL/DR	DARK	10/03/08	THR 19:26	ANIMALS IN RDWY		0	0	0	0	
08224303	ANIMAL	W- PASS-GOING STRT	- -	CL/DR	DARK	10/15/08	WED 02:08	ANIMALS IN RDWY		0	0	0	1	
08280955	ANIMAL	E- PASS-GOING STRT	- -	CL/DR	DARK	12/20/08	SAT 16:36	ANIMALS IN RDWY		0	0	0	0	
09004439	ANIMAL	W- SUV-GOING STRT	- -	RN/WT	DARK	01/06/09	TUE 18:18	ANIMALS IN RDWY		0	0	0	0	
09091097	ANIMAL	W- SUV-GOING STRT	- -	FG/DR	DARK	05/16/09	SAT 23:52	ANIMALS IN RDWY		0	0	0	0	
09132319	ANIMAL	W- PASS-GOING STRT	- -	CL/WT	DARK	06/22/09	MON 02:31	NONE-DRIVER/CYC		0	0	0	0	
09138457	ANIMAL	E- PASS-GOING STRT	- -	CL/DR	DARK	06/29/09	MON 00:19	ANIMALS IN RDWY		0	0	0	0	
09181026	ANIMAL	W- PASS-GOING STRT	- -	CL/DR	DAY	07/27/09	MON 05:43	NONE-DRIVER/CYC		0	0	0	0	
STATE HWY	RT 33	MP 025.19	NEAR WEMROCK ROAD				MANALAPAN TWP		MONMOUTH	0	0	0	1	1
09045573	ANIMAL	E- PASS-GOING STRT	- -	CL/DR	DAY	03/07/09	SAT 17:58	ANIMALS IN RDWY		0	0	0	1	
STATE HWY	RT 33	MP 025.21	NEAR ROUTE 527 / MILLHURST RD / SWEET				MANALAPAN TWP		MONMOUTH	0	0	0	0	1
09219238	SAME DIR-REAR	W- PASS-MERGING	W- PASS-MERGING	CL/DR	DAY	09/06/09	SUN 17:08	NONE-DRIVER/CYC	IMP PASSING	0	0	0	0	
STATE HWY	RT 33	MP 025.27	NEAR WEMROCK ROAD				MANALAPAN TWP		MONMOUTH	0	0	0	0	1
09004448	SAME DIR-REAR	E- PASS-STOP-TRAF	E- PASS-SLOW-STOP	CL/DR	DAY	01/03/09	SAT 14:27	NONE-DRIVER/CYC	DRI INATTENTION	0	0	0	0	
STATE HWY	RT 33	MP 025.39	NEAR WEMROCK ROAD				FREEHOLD TWP		MONMOUTH	0	0	1	0	2
07284911	ANIMAL	E- PASS-GOING STRT	- -	CL/DR	DARK	12/07/07	FRI 21:03	ANIMALS IN RDWY		0	0	0	0	
08247375	ANIMAL	W- PASS-GOING STRT	- -	CL/DR	DAY	11/03/08	MON 08:22	NONE-DRIVER/CYC		0	0	1	0	
STATE HWY	RT 33	MP 025.43	NEAR WEMROCK ROAD				FREEHOLD TWP		MONMOUTH	0	0	0	1	1
07250599	ANIMAL	E- PASS-GOING STRT	- -	CL/DR	DUSK	10/23/07	TUE 18:45	ANIMALS IN RDWY		0	0	0	1	
STATE HWY	RT 33	MP 025.51	NEAR ROUTE 527 / MILLHURST RD / SWEET				FREEHOLD TWP		MONMOUTH	0	0	0	0	1
08221253	ANIMAL	W- PASS-GOING STRT	- -	CL/DR	DAY	08/22/08	FRI 17:04	NONE-DRIVER/CYC		0	0	0	0	
STATE HWY	RT 33	MP 025.59	NEAR WEMROCK ROAD				FREEHOLD TWP		MONMOUTH	0	0	0	0	1
07112070	ANIMAL	W- SUV-GOING STRT	- -	CL/DR	DARK	06/06/07	WED 21:22	ANIMALS IN RDWY		0	0	0	0	
STATE HWY	RT 33	MP 025.65	NEAR WEMROCK ROAD				FREEHOLD TWP		MONMOUTH	0	0	0	0	1
07120928	NON-FIXED OBJ	E- PASS-GOING STRT	E-S3AXL-GOING STRT	CL/DR	DAY	05/17/07	THR 17:33			0	0	0	0	
STATE HWY	RT 33	MP 025.68	NOT AT INTERSECTION				FREEHOLD TWP		MONMOUTH	0	0	0	0	3
07027955	FIXED OBJECT	N- PASS-NEG CURVE	- -	SN/WT	DAY	03/07/07	WED 11:46	DRI INATTENTION		0	0	0	0	
08301773	FIXED OBJECT	E- PASS-NEG CURVE	- -	SL/IC	DARK	12/24/08	WED 02:21	RD SURF CNDTION		0	0	0	0	
09181120	FIXED OBJECT	S- PASS-NEG CURVE	- -	CL/DR	DUSK	08/23/09	SUN 19:51	DRI INATTENTION		0	0	0	0	
STATE HWY	RT 33	MP 025.68	AT WEMROCK ROAD				FREEHOLD TWP		MONMOUTH	0	0	0	0	2
07222166	FIXED OBJECT	N- PASS-GOING STRT	- -	RN/WT	DARK	10/09/07	TUE 20:52	DRI INATTENTION		0	0	0	0	

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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	DOW TIME	VEH 1 CONTRIB CIRCUMSTANCES	VEH 2 CONTRIB CIRCUMSTANCES	NO. KIL	NO. INJURED MAJ	MOD	MIN	NO. ACC
STATE HWY *RT 33*		*MP 025.68*	*AT WEMROCK RD*				*FREEHOLD TWP*		*MONMOUTH*	*0*	*0*	*0*	*0*	*2*
09073178 L	LEFT/U TURN	E- PKUP-GOING STRT	W- SUV-LEFT TURN	CL/DR	DAY	04/12/09	SUN 11:21	OTHER	OTHER	0	0	0	0	
STATE HWY *RT 33*		*MP 025.69*	*NEAR WEMROCK RD*				*FREEHOLD TWP*		*MONMOUTH*	*0*	*0*	*0*	*3*	*1*
09295101	SAME DIR-REAR	W- PASS-STOP-TRAF	W- PASS-STOP-TRAF	CL/WT	DAY	12/21/09	MON 07:52	NONE-DRIVER/CYC	NONE-DRIVER/CYC	0	0	0	3	
STATE HWY *RT 33*		*MP 025.70*	*NEAR WEMROCK RD*				*FREEHOLD TWP*		*MONMOUTH*	*0*	*0*	*0*	*0*	*1*
09095969	SAME DIR-REAR	W- PASS-STOP-TRAF	W- PASS-GOING STRT	CL/DR	DAY	05/15/09	FRI 17:07	NONE-DRIVER/CYC	DRI INATTENTION	0	0	0	0	
STATE HWY *RT 33*		*MP 025.73*	*NEAR WEMROCK ROAD*				*FREEHOLD TWP*		*MONMOUTH*	*0*	*0*	*0*	*0*	*1*
07272767	ANIMAL	W- PKUP-GOING STRT	- -	CL/WT	DARK	11/22/07	THR 17:52	ANIMALS IN RDWY		0	0	0	0	
STATE HWY *RT 33*		*MP 025.74*	*NEAR WEMROCK ROAD*				*FREEHOLD TWP*		*MONMOUTH*	*0*	*0*	*0*	*0*	*1*
08169177	SAME DIR-REAR	W- PASS-SLOW-STOP	W- PASS-GOING STRT	CL/DR	DAY	08/16/08	SAT 16:39	NONE-DRIVER/CYC	FOLLOW TO CLOSE	0	0	0	0	
STATE HWY *RT 33*		*MP 025.77*	*NEAR WEMROCK RD*				*FREEHOLD TWP*		*MONMOUTH*	*0*	*0*	*0*	*0*	*1*
09263690	SAME DIR-REAR	W- PASS-SLOW-STOP	W- SUV-GOING STRT	RN/WT	DARK	11/14/09	SAT 20:17	NONE-DRIVER/CYC	FOLLOW TO CLOSE	0	0	0	0	
STATE HWY *RT 33*		*MP 025.78*	*NEAR WEMROCK ROAD*				*FREEHOLD TWP*		*MONMOUTH*	*0*	*0*	*0*	*0*	*2*
07059586	SAME DIR-SIDE	W- PASS-GOING STRT	W- PASS-GOING STRT	RN/WT	DAY	04/16/07	MON 09:17	NONE-DRIVER/CYC	OTHER	0	0	0	0	
08063474	SAME DIR-REAR	W-S3AXL-STOP-TRAF	W- PASS-SLOW-STOP	CL/DR	DAY	04/12/08	SAT 14:49	NONE-DRIVER/CYC	DRI INATTENTION	0	0	0	0	
STATE HWY *RT 33*		*MP 025.88*	*NEAR WEMROCK ROAD*				*FREEHOLD TWP*		*MONMOUTH*	*0*	*0*	*0*	*1*	*1*
07266811	FIXED OBJECT	W- PASS-GOING STRT	- -	CL/DR	DARK	10/30/07	TUE 18:27	OTH DR/PED ACT		0	0	0	1	
STATE HWY *RT 33*		*MP 025.98*	*NEAR WEMROCK RD*				*FREEHOLD TWP*		*MONMOUTH*	*0*	*0*	*0*	*0*	*1*
08250675	ANIMAL	E- PASS-GOING STRT	- -	CL/DR	DARK	11/08/08	SAT 22:53	NONE-DRIVER/CYC		0	0	0	0	
STATE HWY *RT 33*		*MP 026.00*	*NEAR WEMROCK RD*				*FREEHOLD TWP*		*MONMOUTH*	*0*	*0*	*0*	*0*	*1*
09079757	~~OTHER~~	E- SUV-CHNG LANES	E- PASS-GOING STRT	CL/DR	DAY	04/16/09	THR 18:38	IMP PASSING	NONE-DRIVER/CYC	0	0	0	0	
STATE HWY *RT 33*		*MP 026.09*	*NEAR ROUTE 537 / FREEHOLD-MOUNT HOLLY*				*FREEHOLD TWP*		*MONMOUTH*	*0*	*0*	*0*	*0*	*1*
09130058	ANIMAL	E- PASS-GOING STRT	- -	OC/DR	DAY	06/24/09	WED 12:59	ANIMALS IN RDWY		0	0	0	0	
STATE HWY *RT 33*		*MP 026.10*	*NOT AT INTERSECTION*				*FREEHOLD TWP*		*MONMOUTH*	*0*	*0*	*0*	*0*	*1*
09130073	ANIMAL	W- PASS-GOING STRT	- -	CL/DR	DARK	06/29/09	MON 02:33	ANIMALS IN RDWY		0	0	0	0	
STATE HWY *RT 33*		*MP 026.18*	*NEAR WEMROCK RD*				*FREEHOLD TWP*		*MONMOUTH*	*0*	*0*	*0*	*0*	*1*
08254867	ANIMAL	W- PKUP-GOING STRT	- -	FG/WT	DAWN	11/14/08	FRI 06:42	ANIMALS IN RDWY		0	0	0	0	
STATE HWY *RT 33*		*MP 026.34*	*NEAR ROUTE 537 / FREEHOLD-MOUNT HOLLY*				*FREEHOLD TWP*		*MONMOUTH*	*0*	*0*	*1*	*0*	*1*
09238953	ANIMAL	E- SUV-GOING STRT	- -	RN/WT	DAWN	10/27/09	TUE 22:08	ANIMALS IN RDWY		0	0	1	0	

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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	DOW TIME	VEH 1 CONTRIB CIRCUMSTANCES	VEH 2 CONTRIB CIRCUMSTANCES	NO. KIL	NO. MAJ	INJURED MOD	INJURED MIN	NO. ACC
STATE HWY	RT 33	MP 026.38	NEAR WENROCK ROAD				FREEHOLD TWP		MONMOUTH	0	0	1	2	1
08103946	SAME DIR-REAR	W- PASS-GOING STRT	W- PASS-GOING STRT	CL/DR	DARK	05/25/08	SUN 03:29	NONE-DRIVER/CYC	DRI INATTENTION	0	0	1	2	
STATE HWY	RT 33	MP 026.39	NEAR RT 537				FREEHOLD TWP		MONMOUTH	0	0	0	1	1
07115017	FIXED OBJECT	E- PASS-GOING STRT	- -	SL/SL	DAY	03/16/07	FRI 11:51	UNSAFE SPEED		0	0	0	1	
STATE HWY	RT 33	MP 026.49	NEAR CR537				FREEHOLD TWP		MONMOUTH	0	0	0	0	2
07267232	ANIMAL	E- PASS-GOING STRT	- -	CL/DR	DARK	10/22/07	MON 23:30	ANIMALS IN RDWY		0	0	0	0	
08233100	ANIMAL	E- PASS-GOING STRT	- -	CL/DR	DARK	10/31/08	FRI 20:21	ANIMALS IN RDWY		0	0	0	0	
STATE HWY	RT 33	MP 026.56	NEAR ROUTE 537 / FREEHOLD-MOUNT HOLLY				FREEHOLD TWP		MONMOUTH	0	0	0	0	1
09176784	FIXED OBJECT	E- PKUP-GOING STRT	- -	CL/DR	DARK	08/03/09	MON 22:50	WHEELS		0	0	0	0	
STATE HWY	RT 33	MP 026.59	NOT AT INTERSECTION				FREEHOLD TWP		MONMOUTH	0	0	0	0	2
09044031	FIXED OBJECT	N- PASS-NEG CURVE	- -	SN/SN	DAY	03/01/09	SUN 07:37	UNSAFE SPEED		0	0	0	0	
09073172	SAME DIR-REAR	E- PASS-START TRAF	E- PASS-START TRAF	CL/DR	DAY	04/08/09	WED 16:07	NONE-DRIVER/CYC	FOLLOW TO CLOSE	0	0	0	0	
STATE HWY	RT 33	MP 026.61	NEAR ROUTE 537 / FREEHOLD-MOUNT HOLLY				FREEHOLD TWP		MONMOUTH	0	1	0	0	1
09073206	FIXED OBJECT	E- PASS-GOING STRT	- -	CL/DR	DAY	04/16/09	THR 11:28	OTH DR/PED ACT		0	1	0	0	
STATE HWY	RT 33	MP 026.63	NEAR ROUTE 537 / FREEHOLD-MOUNT HOLLY				FREEHOLD TWP		MONMOUTH	0	0	0	0	1
09273581	ANIMAL	W- SUV-GOING STRT	- -	CL/DR	DARK	12/02/09	WED 02:25	ANIMALS IN RDWY		0	0	0	0	
STATE HWY	RT 33	MP 026.64	NEAR ROUTE 537 / FREEHOLD MOUNT HOLLY				FREEHOLD TWP		MONMOUTH	0	0	0	0	2
09001613	ANIMAL	E- SUV-GOING STRT	- -	CL/DR	DARK	01/12/09	MON 06:03	ANIMALS IN RDWY		0	0	0	0	
09273565	ANIMAL	E- PASS-GOING STRT	- -	CL/DR	DARK	11/28/09	SAT 22:26	NONE-DRIVER/CYC		0	0	0	0	
STATE HWY	RT 33	MP 026.70	AT CANOVER ROAD				FREEHOLD TWP		MONMOUTH	0	0	0	1	1
08203254	RIGHT ANGLE	N- SUV-LEFT TURN	E- PASS-GOING STRT	CL/DR	DAY	09/18/08	THR 17:38	DRI INATTENTION	NONE-DRIVER/CYC	0	0	0	1	
STATE HWY	RT 33	MP 026.79	NEAR CR 537				FREEHOLD TWP		MONMOUTH	0	0	0	0	1
07266818	ANIMAL	W- SUV-GOING STRT	- -	CL/DR	DARK	11/03/07	SAT 19:31	ANIMALS IN RDWY		0	0	0	0	
STATE HWY	RT 33	MP 026.84	NEAR CR 537				FREEHOLD TWP		MONMOUTH	0	0	0	0	2
08092709	ANIMAL	W- SUV-GOING STRT	- -	CL/DR	DAY	04/19/08	SAT 12:19	ANIMALS IN RDWY		0	0	0	0	
09265070	ANIMAL	W- PASS-GOING STRT	- -	OC/WT	DARK	11/23/09	WED 05:40	ANIMALS IN RDWY		0	0	0	0	
STATE HWY	RT 33	MP 026.99	NEAR CR 537				FREEHOLD TWP		MONMOUTH	0	0	0	0	1
08247116	ANIMAL	W-CY10K-GOING STRT	- -	RN/WT	DARK	11/06/08	THR 17:52	ANIMALS IN RDWY		0	0	0	0	
STATE HWY	RT 33	MP 027.24	NEAR RT 9				FREEHOLD TWP		MONMOUTH	0	0	2	1	3
07027958	ANIMAL	E- PASS-GOING STRT	- -	CL/DR	DAY	03/13/07	TUE 07:24	ANIMALS IN RDWY		0	0	0	0	

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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	DOW	TIME	VEH 1 CONTRIB CIRCUMSTANCES	VEH 2 CONTRIB CIRCUMSTANCES	NO. KIL	NO. MAJ	INJURED MOD	INJURED MIN	NO. ACC
STATE HWY	RT 33	MP 027.24	NEAR US 9					FREEHOLD TWP			MONMOUTH	0	0	2	1	3
08301765	ANIMAL	E- PASS-GOING STRT	- -		CL/DR	DARK	12/21/08	SUN	20:24	ANIMALS IN RDWY		0	0	0	0	
09172525	OPP HEAD-ON	E- SUV-GOING STRT	W- PKUP-GOING STRT		RN/WT	DARK	08/09/09	SUN	00:55	WRONG WAY	NONE-DRIVER/CYC	0	0	2	1	
STATE HWY	RT 33	MP 027.29	NEAR RT 9					FREEHOLD TWP			MONMOUTH	0	0	0	0	1
07147014	OVERTURNED	W-MCYCL-GOING STRT	- -		CL/DR	DUSK	07/07/07	SAT	20:14	UNSAFE SPEED		0	0	0	0	
STATE HWY	RT 33	MP 027.40	NEAR RT 9					FREEHOLD TWP			MONMOUTH	0	0	0	0	1
08095262	ANIMAL	W- -GOING STRT	- -		CL/DR	DAY	05/15/08	THR	06:58	NONE-DRIVER/CYC		0	0	0	0	
STATE HWY	RT 33	MP 027.50	NEAR US 9					FREEHOLD TWP			MONMOUTH	0	0	0	0	1
09073218	SAME DIR-REAR	E- PASS-GOING STRT	E- PASS-GOING STRT		CL/DR	DAY	04/19/09	SUN	15:51	NONE-DRIVER/CYC	DRI INATTENTION	0	0	0	0	
STATE HWY	RT 33	MP 027.52	NEAR RT 9					FREEHOLD TWP			MONMOUTH	0	0	1	0	3
07284938	SAME DIR-REAR	W- SUV-SLOW-STOP	W- SUV-MERGING		CL/DR	DAY	12/04/07	TUE	13:44	NONE-DRIVER/CYC	DRI INATTENTION	0	0	0	0	
08106061	SAME DIR-REAR	E- PASS-STOP-TRAF	E- PASS-GOING STRT		CL/DR	DAY	05/30/08	FRI	16:59	NONE-DRIVER/CYC	DRI INATTENTION	0	0	0	0	
08264824	PEDESTRIAN	E- PASS-GOING STRT	- -		CL/DR	DAY	11/21/08	FRI	11:21			0	0	1	0	
STATE HWY	RT 33	MP 027.54	AT US 9					FREEHOLD TWP			MONMOUTH	0	0	0	0	1
09079758	SAME DIR-REAR	W- PASS-LEFT TURN	W-CYCOR-LEFT TURN		CL/DR	DAY	04/19/09	SUN	11:45	NONE-DRIVER/CYC	UNKNOWN	0	0	0	0	
STATE HWY	RT 33	MP 027.55	NEAR RT 9					FREEHOLD TWP			MONMOUTH	0	0	0	0	2
07115837	FIXED OBJECT	E- PASS-GOING STRT	- -		SN/SL	DAY	03/16/07	FRI	17:20	DRI INATTENTION		0	0	0	0	
09304417	FIXED OBJECT	E- PASS-NEG CURVE	- -		SN/SN	DAY	12/31/09	THR	10:53	UNSAFE SPEED		0	0	0	0	
STATE HWY	RT 33	MP 027.56	NEAR RT 9					FREEHOLD TWP			MONMOUTH	0	0	0	2	1
07171658	SAME DIR-SIDE	W- PASS-GOING STRT	W- PASS-CHNG LANES		CL/DR	DARK	08/22/07	WED	20:51	NONE-DRIVER/CYC	FAIL TO YLD ROW	0	0	0	2	
STATE HWY	RT 33	MP 027.59	NEAR US 9					FREEHOLD TWP			MONMOUTH	0	0	0	0	1
08247378	ANIMAL	W- PKUP-GOING STRT	- -		CL/DR	DAY	11/01/08	SAT	15:45	ANIMALS IN RDWY		0	0	0	0	
STATE HWY	RT 33	MP 027.63	NEAR US 9					FREEHOLD TWP			MONMOUTH	0	0	0	0	1
09210234	SAME DIR-SIDE	E-SEMIT-GOING STRT	E- PASS-GOING STRT		CL/DR	DARK	09/21/09	MON	21:23	DRI INATTENTION	NONE-DRIVER/CYC	0	0	0	0	
STATE HWY	RT 33	MP 027.64	NEAR US 9					FREEHOLD TWP			MONMOUTH	0	0	0	0	1
09073215	SAME DIR-SIDE	E- SUV-GOING STRT	E- SUV-MERGING		CL/DR	DAY	04/18/09	SAT	15:55	NONE-DRIVER/CYC	FAIL TO YLD ROW	0	0	0	0	
STATE HWY	RT 33	MP 027.69	NEAR RT 9					FREEHOLD TWP			MONMOUTH	0	0	0	1	2
07115032	FIXED OBJECT	W- PASS-GOING STRT	- -		SL/SL	DUSK	03/16/07	FRI	17:30	UNSAFE SPEED		0	0	0	0	
08106069	ANIMAL	W- PASS-GOING STRT	- -		CL/DR	DAY	06/03/08	TUE	08:26	ANIMALS IN RDWY		0	0	0	1	
STATE HWY	RT 33	MP 027.69	AT RT 9					FREEHOLD TWP			MONMOUTH	0	0	0	0	1

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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	DOW TIME	VEH 1 CONTRIB CIRCUMSTANCES	VEH 2 CONTRIB CIRCUMSTANCES	NO. KIL	NO. MAJ	INJURED MOD	INJURED MIN	NO. ACC
STATE HWY	RT 33	MP 027.69	AT RT 9				FREEHOLD TWP		MONMOUTH	0	0	0	0	1
07115031	FIXED OBJECT	E- PASS-GOING STRT		CL/SL	DAY	03/16/07	FRI 17:12	UNSAFE SPEED		0	0	0	0	
STATE HWY	RT 33	MP 027.74	NEAR HALLS MILL RD				FREEHOLD TWP		MONMOUTH	0	0	0	0	1
09056428	FIXED OBJECT	E- PASS-GOING STRT	- -	CL/DR	DAY	03/27/09	FRI 11:08	TIRES		0	0	0	0	
STATE HWY	RT 33	MP 027.79	NEAR NJ 79 / SOUTH ST				FREEHOLD TWP		MONMOUTH	0	0	0	1	2
09130055	FIXED OBJECT	E-MCYCL-SLOW-STOP		RN/WT	DARK	06/23/09	TUE 20:39	RUTS/HOLES/BMPS		0	0	0	1	
09229710	SAME DIR-REAR	E- PASS-GOING STRT	E- PASS-GOING STRT	CL/DR	DAY	10/12/09	MON 08:20	NONE-DRIVER/CYC	FOLLOW TO CLOSE	0	0	0	0	
STATE HWY	RT 33	MP 027.99	NEAR NJ 79 / SOUTH ST				FREEHOLD TWP		MONMOUTH	0	0	0	0	1
09020553	ANIMAL	E- PASS-GOING STRT	- -	SN/WT	DAY	02/03/09	TUE 11:39	ANIMALS IN RDWY		0	0	0	0	
STATE HWY	RT 33	MP 028.84	NEAR HALLS MILL RD				FREEHOLD TWP		MONMOUTH	0	0	0	0	1
09238942	ANIMAL	W- SUV-GOING STRT	- -	CL/DR	DUSK	10/26/09	MON 06:36	ANIMALS IN RDWY		0	0	0	0	
STATE HWY	RT 33	MP 028.94	NEAR HALLS MILL RD				FREEHOLD TWP		MONMOUTH	0	0	0	0	1
09263631	ANIMAL	E- PKUP-GOING STRT	- -	CL/DR	DAY	12/12/09	SAT 16:21	ANIMALS IN RDWY		0	0	0	0	
STATE HWY	RT 33	MP 029.99	NEAR HALLS MILLS ROAD				FREEHOLD TWP		MONMOUTH	0	0	0	0	1
08007966	NON-FIXED OBJ	E- PASS-GOING STRT	- -	RN/WT	DARK	01/17/08	THR 20:17	NONE-DRIVER/CYC		0	0	0	0	
STATE HWY	RT 33	MP 029.00	NEAR HALLS MILL RD				FREEHOLD TWP		MONMOUTH	0	0	0	0	1
08273892	ANIMAL	W- PASS-GOING STRT		CL/DR	DARK	12/12/08	FRI 10:39	ANIMALS IN RDWY		0	0	0	0	

TOTAL 103

County-Municipality Restrictions: 1: 3:

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.