



State of New Jersey
NEW JERSEY DEPARTMENT OF TRANSPORTATION
1035 PARKWAY AVENUE
P.O. Box 600
TRENTON, NEW JERSEY 08625-0600

BRIDGE RE-EVALUATION SURVEY REPORT

STRUCTURE NO. 3XXX-XXX
ROUTE I-287 SB OVER DARLINGTON AVENUE (CR 98) AND DARLINGTON BROOK
MAHWAH TOWNSHIP
BERGEN COUNTY

SAMPLE REPORT
(FOR GUIDANCE ONLY)

6TH CYCLE
May 27, 2005

NOTE: This Bridge Re-evaluation Report shall be filed immediately after the 5TH Cycle Inspection Report.

Prepared By

ABC Consultant

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**N.J.D.O.T. - STRUCTURAL EVALUATION
RE-EVALUATION BRIDGE SURVEY REPORT**

CYCLE NO. 6

STRUCTURAL DATA:

Bridge No.:	3XXX-XXX	Year Built:	1992	Widened/ Rehab:	
Route No.:	287	Length:	347'	Width:	44.5'
(Item AA)					
Mile Point:	64.430	Date of this Eval.:	5/27/2005		
Name:	Route I-287 Southbound over Darlington Ave (CR 98) & Darlington Brook	By: State	Rajesh C. Patel		
Structure Type:	Four span, simply supported, prestressed concrete multi-girders (continuous for live load)	Date of Previous Eval.:	4/04/2003		
		By: ABC	Consultant Name		
		Underwater Inspection	Not required		
		Scour Critical	No		
		Special Equipment Used	MPT		

OVERALL CONDITION: Good

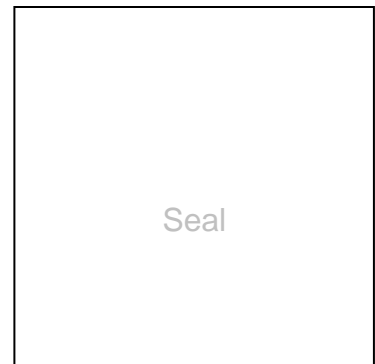
WORK DONE: None

Inspection Team Leader: Rajesh C. Patel

Initials: _____

Certifying Engineer: James Lane, P.E.

NJ P.E. Number: GE02859100



I certify that this report is an accurate description of the subject structure, to the extent determinable by visual inspection and testing performed.

Signature: _____

Date: _____

Structure No.: 3XXX-XXX Route: 287 Cycle No.: 6
 Name: Route I-287 SB over Darlington Ave (CR 98) & Darlington Brook Insp. Date: 6/27/2005

CONTROLLING RATINGS: (From 2nd Cycle Report)

Computer Program Used: PS-3 (Version 3.4)

Based on the Load Factor method of analysis, the following load ratings have been computed:

Controlling Member	Rating Type	Truck Type (Tons)			
		<u>HS-20</u> (36)	<u>3</u> (25)	<u>3S2</u> (40)	<u>3-3</u> (40)
Interior Girders Girder 3 in spans 1 & 3	Inventory Rating	57*	51*	66	71
	Operating Rating	115*	103*	151	157

* Ratings controlled by Girder 3 from west in span 1.

CONCLUSIONS & RECOMMENDATIONS:

The overall condition of the structure is good due to substructure.

Since the previous inspection, the substructure has been downgraded from very good to good condition due to a medium crack in the north abutment breastwall and small spalls on the north abutment bridge seat.

As per Bridge Scour Evaluation program listing provided by NJDOT dated Aug. 2005 the bridge is not considered to be scour critical, and SI&A Item 113 is coded 8.

We recommend that the following Emergency/Priority repairs should be made to retard further deterioration, preserve the structural integrity of the bridge, improve safety and extend its useful life:

None

Structure No.: 3XXX-XXX Route: 287 Cycle No.: 6
Name: Route I-287 SB over Darlington Ave (CR 98) & Darlington Brook Insp. Date: 6/27/2005

SI&A AND PONTIS SHEETS:

Please remove this placeholder after you insert the SI&A sheet

Structure No.: 3XXX-XXX Route: 287 Cycle No.: 6
Name: Route I-287 SB over Darlington Ave (CR 98) & Darlington Brook Insp. Date: 6/27/2005

SI&A AND PONTIS SHEETS (Contd.):

Please remove this placeholder after you insert the SI&A sheet

Structure No.: 3XXX-XXX Route: 287 Cycle No.: 6
Name: Route I-287 SB over Darlington Ave (CR 98) & Darlington Brook Insp. Date: 6/27/2005

SI&A AND PONTIS SHEETS (Contd.):

Please remove this placeholder after you insert the SI&A sheet

Structure No.: 3XXX-XXX Route: 287 Cycle No.: 6
Name: Route I-287 SB over Darlington Ave (CR 98) & Darlington Brook Insp. Date: 6/27/2005

SI&A AND PONTIS SHEETS (Contd.):

Please remove this placeholder after you insert the SI&A sheet

Structure No.: 3XXX-XXX Route: 287 Cycle No.: 6
 Name: Route I-287 SB over Darlington Ave (CR 98) & Darlington Brook Insp. Date: 6/27/2005

Rated By: ABC Date: 10/96 Checked BY: DEF Date: 10/96

SUMMARY OF RATING

The Load Factor ratings computed in the 2nd cycle report in accordance with the FHWA directive dated, November 1993 and AASHTO Manual for Condition Evaluation of Bridges, 1994, as modified by Section 1.42A.2 of the New Jersey Department of Transportation Design Manual, Bridges and Structures, are as follows:

Computer Program Used: PS-3, Version 3.4

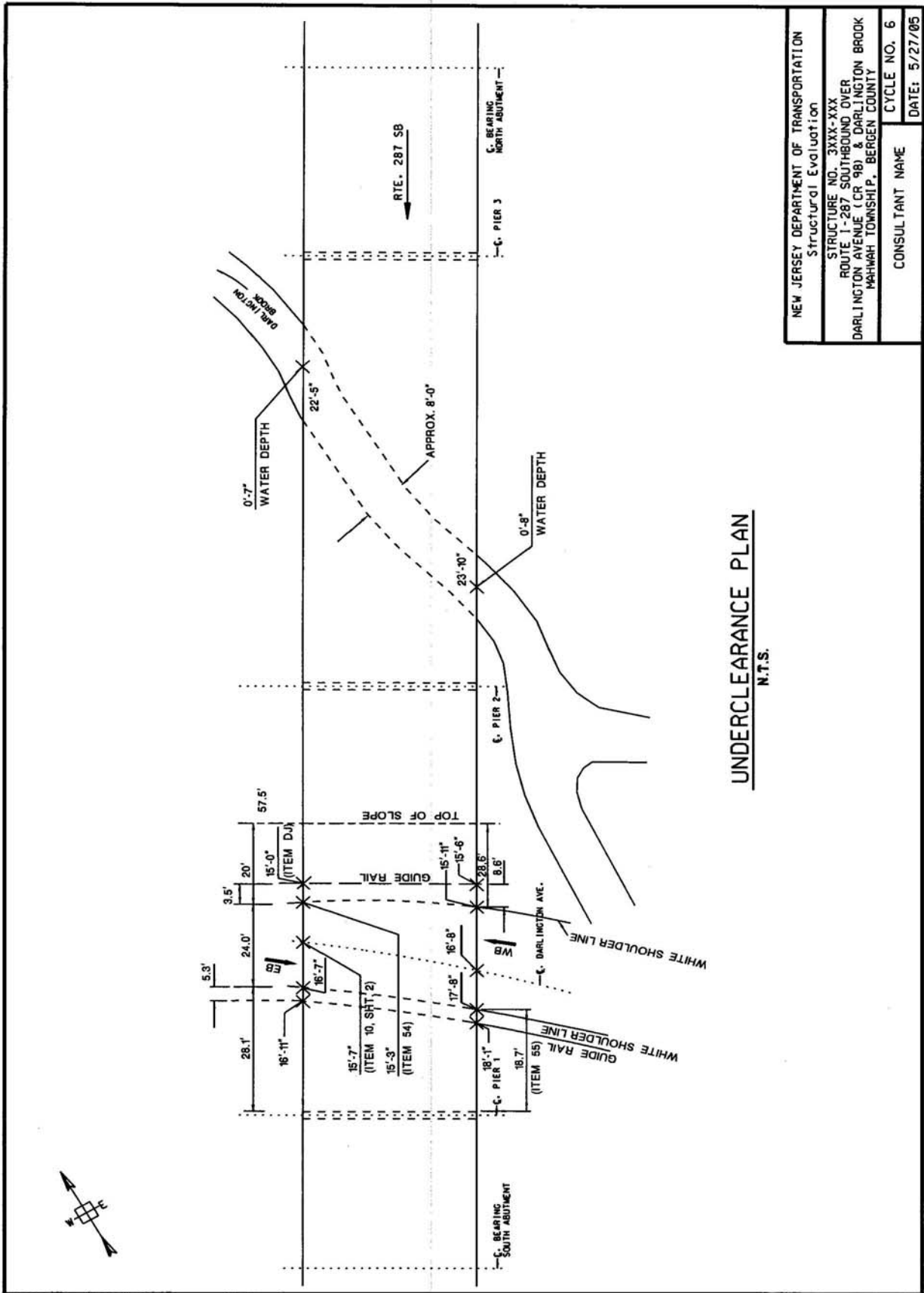
PERCENT (%) SECTION LOSSES: None

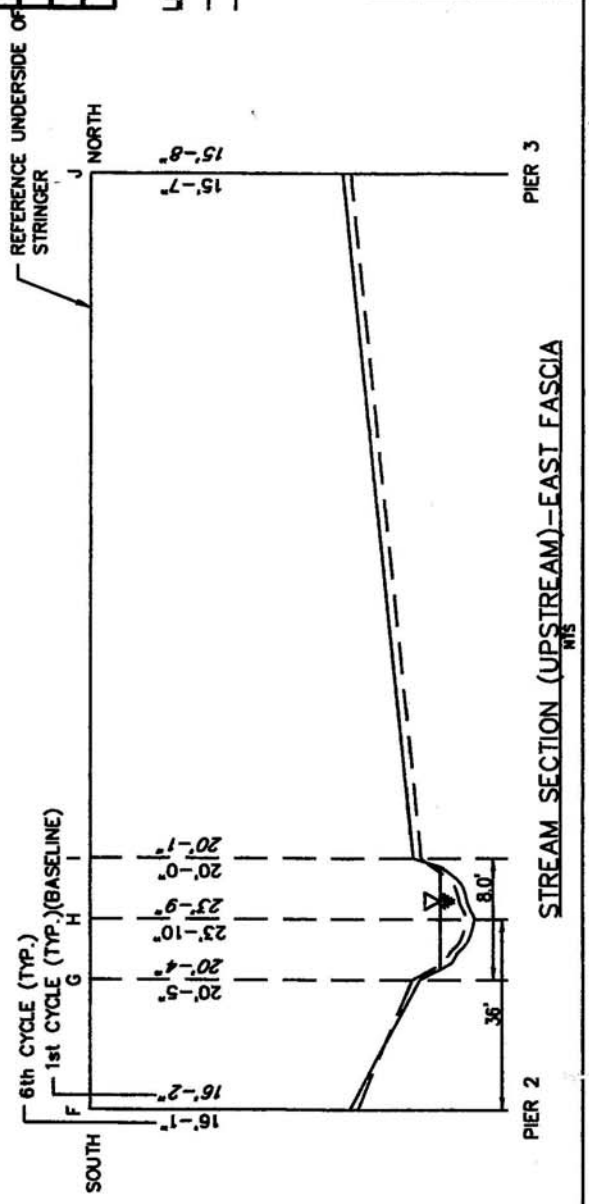
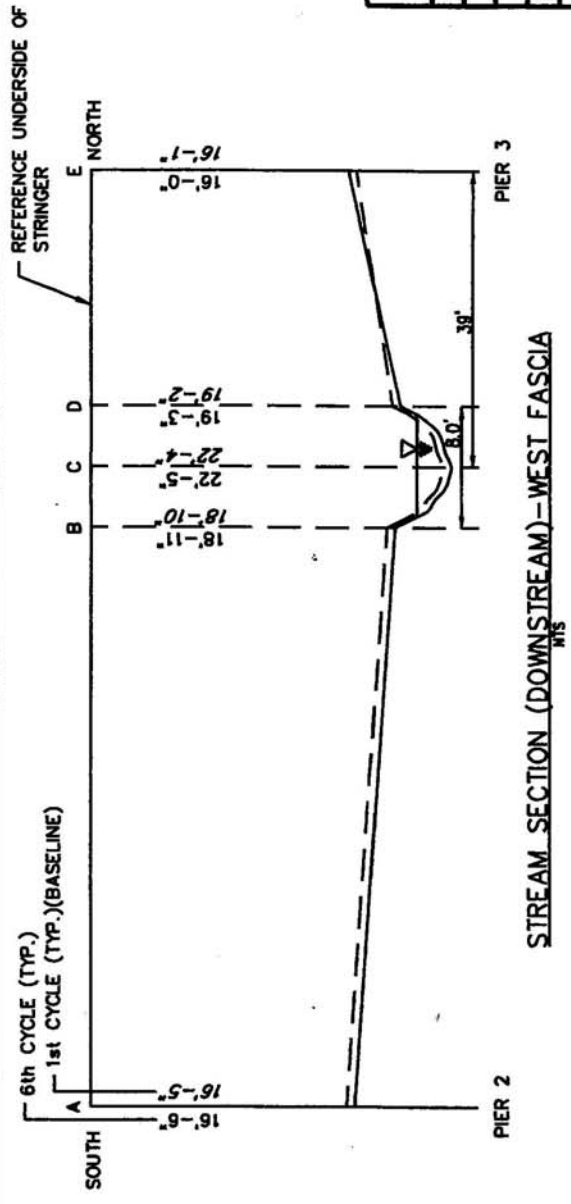
<u>Material</u>	<u>Allowable Stresses (Psi)</u>			
	<u>Compressive Strength f 'c</u>	<u>Yield</u>	<u>Inventory</u>	<u>Operating</u>
Concrete	3,000	---	1,200	1,650
Prestressed Concrete	6,000	---	2,400	3,350
Reinforcing Steel	---	60,000	24,000	28,000
Prestressing Steel	---	270,000	---	---

<u>Member</u>	<u>Truck Type (Tons)</u>	<u>Rating (Tons)</u>			
		<u>Load Factor</u>		<u>Working Stress</u>	
		<u>Inventory</u>	<u>Operating</u>	<u>Inventory</u>	<u>Operating</u>
Interior Girder Girder 3 from west in span 1	Type HS-20 (36T)	57*	115*	--	--
	Type 3 (25T)	51*	103*	--	--
	Type 3S2 (40T)	79	161	--	--
	Type 3-3 (40T)	99	199	--	--
Interior Girder Girder 3 from west in span 3	Type HS-20 (36T)	59	151	--	--
	Type 3 (25T)	58	122	--	--
	Type 3S2 (40T)	66*	151*	--	--
	Type 3-3 (40T)	71*	157*	--	--

* Controlling Ratings

Note: List summary of all members rated from previous cycle if available





- NOTES:
1. REFERENCE UNDERSIDE OF STRINGER TO STREAMBED.
 2. PIER FOUNDATION INFORMATION NOT AVAILABLE.

POINT	CYCLE 1		CYCLE 6	
	CLEAR DIMENSION	WATER DEPTH	CLEAR DIMENSION	WATER DEPTH
A	16'-5"	--	16'-6"	--
B	18'-10"	--	18'-11"	--
C	22'-4"	--	22'-5"	0'-7"
D	19'-2"	--	19'-3"	--
E	16'-1"	--	16'-0"	--
F	16'-2"	--	16'-1"	--
G	20'-4"	--	20'-5"	--
H	23'-9"	--	23'-10"	0'-8"
I	20'-1"	--	20'-0"	--
J	15'-8"	--	15'-7"	--

LEGEND

— 6th CYCLE STREAMBED PROFILE

- - - 1st CYCLE STREAMBED PROFILE (BASELINE)

NEW JERSEY DEPARTMENT OF TRANSPORTATION
Structural Evaluation

STRUCTURE NO. 3XXX-XXX
ROUTE 1-287 SOUTHBOUND OVER
DARLINGTON AVENUE (CR 98) & DARLINGTON BROOK
MAHWAH TOWNSHIP, BERGEN COUNTY

CONSULTANT NAME

CYCLE No. 6

DATE: 5/27/05



Photo No: 6-01

Location:	West elevation (span 1), looking East.
Description:	General View.



Photo No: 6-02

Location:	West elevation (span 2), looking Northeast.
Description:	General View.



Photo No: 6-03


Location:	West elevation (spans 3 & 4), looking Northeast.
Description:	General View.



Photo No: 6-04

Location:	North approach roadway, looking Southeast.
Description:	General View.

Structure No.: 3XXX-XXX Route: 287 Cycle No.: 6
 Name: Route I-287 SB over Darlington Ave (CR 98) & Darlington Brook Insp. Date: 6/27/2005

		<p>Photo No: 6-05</p>
<p>Location:</p>	<p>Superstructure in span 2, looking North.</p>	
<p>Description:</p>	<p>General View.</p>	

Structure No.: 3XXX-XXX Route: 287 Cycle No.: 6
Name: Route I-287 SB over Darlington Ave (CR 98) & Darlington Brook Insp. Date: 6/27/2005

NEW JERSEY DEPARTMENT OF TRANSPORTATION
STRUCTURAL EVALUATION
BRIDGE EVALUATION CHECK LIST
(FIELD NOTES)

Inspectors: Harjit Bal Name: Route I-287 Southbound over Darlington
Crew Chief: Rajesh C. Patel, P.E. Avenue (CR 98) & Darlington Brook
Temperature: 60° F Weather: Cloudy
Special Equipment Used: MPT

RATINGS

- N Not applicable
- 9 Excellent Condition
- 8 Very Good Condition – no problems noted.
- 7 Good Condition – some minor problems.**
- 6 Satisfactory Condition – some minor deterioration of structural elements.
- 5 Fair Condition – minor section loss of primary structural elements.
- 4 Poor Condition – advance section loss of primary structural elements.
- 3 Serious Condition – seriously deteriorated primary structural elements.
- 2 Critical Condition – facility should be closed until repairs are made.
- 1 Imminent Failure Condition – facility closed. Study of repairs is feasible.
- 0 Failed Condition – facility is closed and beyond repair.

GPS COORDINATES
@ Northwest corner
41° 04' 14.94" Lat.
74° 10' 36.90" Long.

GENERAL

Type of Bridge: Four span, simply supported, prestressed concrete multi-girder (continuous for live load)

Year Built: 1992 Year of Widening / Major Repairs: None

No. of Lanes: On 2 Under 2

Vertical Clearances: Over Deck: Unlimited

Minimum Under: 15'-3" under the West fascia girder at the North edge of Westbound Darlington Avenue

Maximum Under (Item 10): 15'-7" for the Eastbound lane of Darlington Ave under West fascia at the centerline of Roadway

Horizontal Underclearance: Total Horizontal Clearance: 32.8' from guide rail to guide rail under the west fascia

Right 18.7' from the right edge of Eastbound Darlington Avenue to face of Pier 1 under East fascia girder

Left N/A

Overall Condition of Structure: Good due to the condition of substructure

Work Done: None

Structure No.: 3XXX-XXX Route: 287 Cycle No.: 6
 Name: Route I-287 SB over Darlington Ave (CR 98) & Darlington Brook Insp. Date: 6/27/2005

DECK

SI&A Item 58 Condition Rating: 8

SPAN # 1st from SOUTH

RATING	COMPONENT	REMARKS
7	Wearing Surface/ Top of Deck (LMC)	
8	Underside of Deck (SIP Forms)	
N	Median	None
N	Curbs	None
N	Sidewalks / Safetywalks	None
7	Parapets/ Balustrades (NJ Barrier)	
N	Railings / Fencing	None
7	Deck Joints / Filler Material (Steel Armored)	At South abutment only:
N	Drains and Scuppers	None
N	Light Stands	None
N	Utilities	None
7	Others Header (Concrete)	
6	Reflectors on Parapet	

**Additional
Remarks:**

Structure No.: 3XXX-XXX Route: 287 Cycle No.: 6
 Name: Route I-287 SB over Darlington Ave (CR 98) & Darlington Brook Insp. Date: 6/27/2005

DECK

SI&A Item 58 Condition Rating: 8

SPAN # 2nd from SOUTH

RATING	COMPONENT	REMARKS
7	Wearing Surface/ Top of Deck (LMC)	
8	Underside of Deck (SIP Forms)	
N	Median	None
N	Curbs	None
N	Sidewalks / Safetywalks	None
7	Parapets/ Balustrades (NJ Barrier)	
N	Railings / Fencing	None
N	Deck Joints / Filler Material	
N	Drains and Scuppers	None
N	Light Stands	None
N	Utilities	None
6	Others Reflectors on Parapet	

**Additional
Remarks:**

Structure No.: 3XXX-XXX Route: 287 Cycle No.: 6
 Name: Route I-287 SB over Darlington Ave (CR 98) & Darlington Brook Insp. Date: 6/27/2005

DECK

SI&A Item 58 Condition Rating: 8

SPAN # 3rd from SOUTH

RATING	COMPONENT	REMARKS
7	Wearing Surface/ Top of Deck (LMC)	
8	Underside of Deck (SIP Forms)	
N	Median	None
N	Curbs	None
N	Sidewalks / Safetywalks	None
7	Parapets/ Balustrades (NJ Barrier)	
N	Railings / Fencing	None
N	Deck Joints / Filler Material	
N	Drains and Scuppers	None
N	Light Stands	None
N	Utilities	None
6	Others Reflectors on Parapet	

**Additional
Remarks:**

Structure No.: 3XXX-XXX Route: 287 Cycle No.: 6
 Name: Route I-287 SB over Darlington Ave (CR 98) & Darlington Brook Insp. Date: 6/27/2005

DECK

SI&A Item 58 Condition Rating: 8

SPAN # 4th from SOUTH

RATING	COMPONENT	REMARKS
7	Wearing Surface/ Top of Deck (LMC)	
8	Underside of Deck (SIP Forms)	
N	Median	None
N	Curbs	None
N	Sidewalks / Safetywalks	None
7	Parapets/ Balustrades (NJ Barrier)	
N	Railings / Fencing	None
7	Deck Joints / Filler Material (Steel Armored)	At North abutment only:
N	Drains and Scuppers	None
N	Light Stands	None
N	Utilities	None
7	Others Header (Concrete)	
6	Reflectors on Parapet	

**Additional
Remarks:**

Structure No.: 3XXX-XXX Route: 287 Cycle No.: 6
 Name: Route I-287 SB over Darlington Ave (CR 98) & Darlington Brook Insp. Date: 6/27/2005

APPROACHES

SI&A Item BA Rating: 6

SI&A Item 72 Rating: 8

APPROACH NORTH

RATING	COMPONENT	REMARKS
6	Approach Slab (Concrete)	
7	Approach Shoulder (Concrete and Bituminous Concrete)	
	Approach Roadway Vertical and Horizontal Alignment	Vertical: Moderate downgrade facing North. Horizontal: Straight.
8	Guide Rail Condition (W beam)	
N	Sidewalks	None
5	Curbs (Concrete)	West Side only:
N	Utilities	None
7	Approach Roadway Embankment	
6	Others Relief joint Reflectors	

**Additional
Remarks:**

Structure No.: 3XXX-XXX Route: 287 Cycle No.: 6
 Name: Route I-287 SB over Darlington Ave (CR 98) & Darlington Brook Insp. Date: 6/27/2005

APPROACHES

SI&A Item BA Rating: 6

SI&A Item 72 Rating: 8

APPROACH SOUTH

RATING	COMPONENT	REMARKS
6	Approach Slab (Concrete)	
7	Approach Shoulder (Concrete & Bituminous Concrete)	
	Approach Roadway Vertical and Horizontal Alignment	Vertical: Moderate upgrade facing South. Horizontal: Straight.
8	Guide Rail Condition (W beam)	
N	Sidewalks	None
N	Curbs	None
N	Utilities	None
7	Approach Roadway Embankment	Steep with light to moderate vegetation along the East and West sides.
6	Others Relief joint	
7	Parapets (Concrete)	

Additional Remarks:

Structure No.: 3XXX-XXX Route: 287 Cycle No.: 6
 Name: Route I-287 SB over Darlington Ave (CR 98) & Darlington Brook Insp. Date: 6/27/2005

SUPERSTRUCTURE

SI&A Item 59 Condition Rating: 8

SPAN # 1st from SOUTH

RATING	COMPONENT	REMARKS
8	P/S. Girders (6 Nos., #’d West to East)	
8	Diaphragms/ Cross Frames (Concrete)	
8	Bearings	South Abutment: Galvanized steel rocker bearings Pier 1:Elastomeric bearings
	Deflection and Vibration	Very slight vibration, but no noticeable deflection.
N	Others	N/A

**Additional
Remarks:**

FATIGUE DETAILS

Estimated percentage of Large trucks in ADT = 9%

Category	Detail Description and Location
N/A	None

Structure No.: 3XXX-XXX Route: 287 Cycle No.: 6
 Name: Route I-287 SB over Darlington Ave (CR 98) & Darlington Brook Insp. Date: 6/27/2005

SUPERSTRUCTURE

SI&A Item 59 Condition Rating: 8

SPAN # 2nd from SOUTH

RATING	COMPONENT	REMARKS
8	P/S. Girders (6 Nos., #’d West to East)	
8	Diaphragms/ Cross Frames (Concrete)	
7	Bearings	Piers 1 and 2: Elastomeric bearings
	Deflection and Vibration	Very slight vibration, but no noticeable deflection.
N	Others	N/A

**Additional
Remarks:**

FATIGUE DETAILS

Estimated percentage of Large trucks in ADT = 9%

Category	Detail Description and Location
N/A	None

Structure No.: 3XXX-XXX Route: 287 Cycle No.: 6
 Name: Route I-287 SB over Darlington Ave (CR 98) & Darlington Brook Insp. Date: 6/27/2005

SUPERSTRUCTURE

SI&A Item 59 Condition Rating: 8

SPAN # 3rd from SOUTH

RATING	COMPONENT	REMARKS
8	P/S. Girders (6 Nos., #’d West to East)	
8	Diaphragms/ Cross Frames (Concrete)	
7	Bearings	Piers 2 and 3: Elastomeric bearings
	Deflection and Vibration	Very slight vibration, but no noticeable deflection.
N	Others	N/A

**Additional
Remarks:**

FATIGUE DETAILS

Estimated percentage of Large trucks in ADT = 9%

Category	Detail Description and Location
N/A	None

Structure No.: 3XXX-XXX Route: 287 Cycle No.: 6
 Name: Route I-287 SB over Darlington Ave (CR 98) & Darlington Brook Insp. Date: 6/27/2005

SUPERSTRUCTURE

SI&A Item 59 Condition Rating: 8

SPAN # 4th from SOUTH

RATING	COMPONENT	REMARKS
8	P/S. Girders (6 Nos., #’d West to East)	
8	Diaphragms/ Cross Frames (Concrete)	
7	Bearings	North Abutment: Galvanized steel rocker bearings Pier 3: Elastomeric bearings
	Deflection and Vibration	Very slight vibration, but no noticeable deflection.
N	Others	N/A

**Additional
Remarks:**

FATIGUE DETAILS

Estimated percentage of Large trucks in ADT = 9%

Category	Detail Description and Location
N/A	None

Structure No.: 3XXX-XXX Route: 287 Cycle No.: 6
 Name: Route I-287 SB over Darlington Ave (CR 98) & Darlington Brook Insp. Date: 6/27/2005

SUBSTRUCTURE

SI&A Item 60 Condition Rating: 7

ABUTMENT NORTH

RATING	COMPONENT	REMARKS
7	Breastwall (Concrete)	
8	Backwall (Concrete)	
7	Bridge Seat (Concrete)	
7	Wingwalls/ Retaining Walls (Concrete)	
8	Embankment/ Slope Protection	
N	Others/Footings/ Waterway Probing	No waterway along the North abutment.

**Additional
Remarks:**

ABUTMENT SOUTH

RATING	COMPONENT	REMARKS
8	Breastwall (Concrete)	
8	Backwall (Concrete)	
8	Bridge Seat (Concrete)	
7	Wingwalls/ Retaining Walls (Concrete)	
8	Embankment/ Slope Protection	
N	Others/Footings/ Waterway Probing	No waterway along the South abutment.

**Additional
Remarks:**

Structure No.: 3XXX-XXX Route: 287 Cycle No.: 6
 Name: Route I-287 SB over Darlington Ave (CR 98) & Darlington Brook Insp. Date: 6/27/2005

SUBSTRUCTURE

SI&A Item 60 Condition Rating: 7

PIER 1st from SOUTH

RATING	COMPONENT	REMARKS
8	Columns/ Stem Crashwall (Concrete)	
8	Pier Cap (Concrete)	
8	Bridge Seat (Concrete)	
N	Others/Fender Comment on Probing	N/A

**Additional
Remarks:**

PIER 2nd from SOUTH

RATING	COMPONENT	REMARKS
8	Columns/ Stem Crashwall (Concrete)	
8	Pier Cap (Concrete)	
8	Bridge Seat (Concrete)	
N	Others/Fender Comment on Probing	N/A

**Additional
Remarks:**

Structure No.: 3XXX-XXX Route: 287 Cycle No.: 6
 Name: Route I-287 SB over Darlington Ave (CR 98) & Darlington Brook Insp. Date: 6/27/2005

SUBSTRUCTURE

SI&A Item 60 Condition Rating: 7

PIER 3rd from SOUTH

RATING	COMPONENT	REMARKS
8	Columns/ Stem Crashwall (Concrete)	
8	Pier Cap (Concrete)	
8	Bridge Seat (Concrete)	
N	Others/Fender Comment on Probing	N/A

**Additional
Remarks:**

Structure No.: 3XXX-XXX Route: 287 Cycle No.: 6
 Name: Route I-287 SB over Darlington Ave (CR 98) & Darlington Brook Insp. Date: 6/27/2005

SUBSTRUCTURE/SCOUR

SI&A Item 60 Condition Rating: 7

PIER 2nd from SOUTH

RATING	COMPONENT	REMARKS
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COUNTERMEASURES

	Description	None
N	Condition	N/A

PROBING/SCOUR

N	Findings	N/A
	Changes Since Prior Inspection	No significant changes.
N	Debris	None

Repair Quantities: None

PIER 3rd from SOUTH

RATING	COMPONENT	REMARKS
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COUNTERMEASURES

	Description	None
N	Condition	N/A

PROBING/SCOUR

N	Findings	N/A
	Changes Since Prior Inspection	No significant changes.
N	Debris	None

Repair Quantities: None

Structure No.: 3XXX-XXX Route: 287 Cycle No.: 6
 Name: Route I-287 SB over Darlington Ave (CR 98) & Darlington Brook Insp. Date: 6/27/2005

WATERWAY/CHANNEL

SI&A Item No. 61 9 (Field)
 SI&A Item No. 71 9 (Stage I)
 Prioritization Category 3 (Stage I)
 Scour Sufficiency Rating 53.8 (Stage I)

RATING	COMPONENT	REMARKS
FLOW CONDITIONS		
	Direction	East to West.
	Magnitude	Channel is approximately 8 ft wide between 2 nd and 3 rd Piers from South (piers are not in water and channel width is much narrower than the opening between the piers).
	Velocity	Moderate current.
EMBANKMENTS		
9	Upstream (East)	Moderately sloped along the South side and steeply sloped along the North side, but covered with large rocks.
9	Downstream (West)	Moderately sloped on both sides and covered with large rocks.
9	Channel Countermeasures	Large boulders and stone riprap cover the banks.
CHANNEL MOVEMENT AND CHANGES		
	Horizontal Location	Upstream: Meanders Southeast. Downstream: Meanders Northwest.
	Cross Section	Deepest point is located at center of channel under the East fascia girder (water depth is 8").
	Alignment	45 deg. skew under Span 3 approximately 30' away at 2 nd and 3 rd Piers from South.
	Changes Since Previous Inspection	None
	Navigation Clearances	Not a navigable waterway.
	Waterway Opening	Adequate for the Darlington Brook.
8	Debris	None

Repair Quantities: None _____

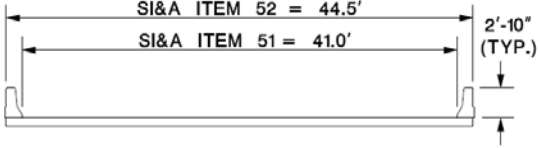
HIGHWAY SAFETY

Coding of SI&A Item 36: 0001
 1: Good
 0: Not Good
 N: Not Applicable

RATING		COMPONENT	REMARKS
0		Bridge Railing	New Jersey barrier shaped parapets 2'-10" high. Current standard for Interstate is 3'-6".
0	0	Transition to Bridge Railing	Transition from W beam to NJ barrier is stiffened at the Northeast and Northwest corners, and is attached at all corners. NW & NE: NJ barrier extends 24'-4" then Thrie beam adequately stiffened with steel spacer blocks. SE & SW: NJ barrier extends approx. 25' then W beam with 1 st post at 2'-4", 2 nd post at 3'-2" and then 6'-3" spacing with substandard steel spacer blocks.
	1	Curb / Sidewalk Terminations	Northwest curb terminates at catch basin. There is no curb at the other three corners.
0		Approach Guide Rails	W beam guide rail at all four corners, with substandard steel spacer blocks.
1		Approach Guide Rail End Terminals	Continuous at all four corners. NE & NW: Guide rails extend for more than 300'. SW & SE: Guide rails are continuous.

DECK GEOMETRY

SI&A Item 68 Rating: 7

COMPONENT	REMARKS
Bridge Cross Section	<p>Bridge roadway width is consistent with the approach roadway widths.</p>  <p style="text-align: center;">CROSS SECTION LOOKING SOUTH</p> <p>Note: Include field measured curb height.</p>
Adequacy of Lane / Shoulder Widths	<p>Two lanes (one way traffic) (Table 2C) Curb to curb = 41.0' ADT = 29,987 (Year 2005), Adequate</p>
Vertical Clearance over Deck	Unlimited.

*Posting for Load / Speed / Clearance Restrictions (Include a photo)	None
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Structure No.: 3XXX-XXX Route: 287 Cycle No.: 6
 Name: Route I-287 SB over Darlington Ave (CR 98) & Darlington Brook Insp. Date: 6/27/2005

CLEARANCES

FEATURE ON STRUCTURE: Route I-287 Southbound SI&A SHEET 1

* Minimum Vertical Clearance (SI&A Item 10)	9999
Total Horizontal Clearance (SI&A Item 47)	41.0' from curb to curb.
Minimum Vertical Underclearance (SI&A Item 54)	15'-3" under the West fascia girder at the North edge of Westbound Darlington Avenue.
Minimum Vertical Underclearance (incl. shoulders) (SI&A Item DJ)	15'-0" under the West fascia girder at the North edge of Westbound Darlington Avenue.
Lateral Right (SI&A Item 55)	18.7' from the right shoulder line of Eastbound Darlington Avenue to the face of Pier 1 under East fascia girder.
Lateral Left (SI&A Item 56)	N/A

FEATURE UNDER STRUCTURE: Darlington Avenue (CR 98) SI&A SHEET 2

* Minimum Vertical Clearance (SI&A Item 10)	15'-7" for the Eastbound lane of Darlington Ave under the West fascia at centerline of roadway.
Total Horizontal Clearance (SI&A Item 47)	32.8' from guide rail to guide rail of Darlington Avenue under the West fascia.

*** Minimum clearance for a 10 foot width of the pavement or traveled part of the roadway where the clearance is greatest shall be coded in feet and inches**

Structure No.: 3XXX-XXX Route: 287 Cycle No.: 6
 Name: Route I-287 SB over Darlington Ave (CR 98) & Darlington Brook Insp. Date: 6/27/2005

CHAIN LINK FENCE

Coding of SI&A Item FN: N
 Coding of SI&A Item FO: N
 Coding of SI&A Item FP (in thousands): ---

Warranted (Per Design Manual Section 23):	No	
If Yes: (#) Description:		
<u>Current Status of Fence & Sidewalk:</u>	<u>Left Side</u>	<u>Right Side</u>
a. Fence:	No	No
b. Sidewalk Width:	FT	FT
c. Total Height of fence above Curb/Sidewalk	FT	FT
d. Type of Fence: (per Design Manual Section 23)		
Action Recommended:		
Estimated Cost: \$ N/A		

Input By ABC
 Date 6/27/2005