



PROJECT DEVELOPMENT REPORT



Bridge Inspection Report

PREPARED BY:



Vol. 4

CDOT No. E-5-482
Section No. 16-E5482-00-BT
Cook County, Illinois



Structure Number: _____

Maintenance County: COOK

90 - Insp. Date	90A - Insp. Team Leader/Qualification
08/28/2015	/
/ /	/
/ /	/
/ /	/
/ /	/

Temp.
73°F

Township: _____
 Municipality: CHICAGO
 Fac Carried: NS Englewood Connector
 Feat Crossed: DAMEN AVENUE
 Location: Over Damen Ave. N of W 9th St
 Mat/Type/# Span: Concrete / Slab / 4 Span

Bridge Inspection Year:

Team Sect. - Sub-Sect: _____

Appraisals

Comments (All comments must be dated.)

Deck

58 - Deck Condition:

Wearing Surface

Parapets / Bridge Railings:

Railings in good condition

Curbs:

Median:

Sidewalks:

Drain System:

Light Standards:

Functional but no flashing light at center bio.

Expansion Joints:

Openings (In.): _____

Superstructure

59 - Superstructure Cond:

6

Bearing Devices: N

Slab

Girders / Beams / Stringers: 3

exposed primary reinf., spalls

Diaphragms / Braces: N

Trusses / Portals / Bracing: N

Rivets / Bolts: N

Paint: N

Substructure

60 - Substructure Cond:

Remove paging and
add new page
number

Stem / Columns / Piles: b. rebar, spalls

Abutments

Caps:

Bearing Seats: N

Backwalls: N

Wingwalls: 3

Cracks, joint gap & offset, spalls

Stem / Columns / Piles: 2

Big spalls, del. & primary rebar exposed

Piers

Caps: 3

Cracks, side face spall & del, efflorescence

Bearing Seats: N

Crash Walls: N

Fender Systems: N

Paint: N

Bridge Inspection Report

Structure Number: _____

Additional Inspection Data

36A – Bridge Railing Adequacy:		Rail Types:			
Approach Guardrail Adequacy:	36B – Transitions:	36C – Guardrail:		36D – Ends:	

108A – Wearing Surface Type:		108B – Type of Membrane:		108C – Deck Protection:	
108D – Total Deck Thickness (In.):					

59A – Paint Date (Mo/Yr):					
59B – Paint Systems:	- - -	Color: Fascia – ___;	Inter. – ___;	Railing – ___.	
59C – Utilities Attached:	- -				

Weight Limit Posting

70A2 – Single Unit Vehicles:	<input type="checkbox"/> T.	Combinations:	70B2 – 3 or 4 Axle:	<input type="checkbox"/> T.	70C2 – 5 or More Axle:	<input type="checkbox"/> T.
70D2 – One Truck at a Time:						

Inspection Resource Needs	Time to Inspect (H:M):		:	Traffic Control:			
	Equipment:	Boat–	Waders–	Snooper–		Manlift–	
		Ladder–	Short	Medium	Tall	Other–	

93C – Special Inspection Date: / / / / / / / / / /

Signature Block

	Signature	Date	Unit Supervisor Initials - Date
Inspection Team Leader			

Additional Comments:

• VC at north & south approach light poles (12'-10")

Inspection Team: Ken Smorynski and Pankaj Kumar (Infrastructure Engineering Inc.)

(Continue comments on page 4)



**Illinois Department
of Transportation**

Bridge Inspection Report (MI)

Structure Number: _____

Maintenance County: COOK

90 - Insp. Date 08/18/2015 90A - Insp. Team Leader/Qualification _____

Temp. 82°F Township: _____

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/ /	/

Municipality: CHICAGO
 Fac Carried: NS Englewood Connector
 Feat Crossed: WINCHESTER AVENUE
 Location: Over Winchester Ave. N of W 9th St
 Mat/Type/# Span: Concrete/slab / 4 spans

Bridge Inspection Year:

Team Sect. - Sub-Sect: _____

Appraisals

Comments (All comments must be dated.)

Deck

58 - Deck Condition:

Wearing Surface _____

Parapets / Bridge Railings: _____ Railing in fair condition

Curbs: _____

Median: _____

Sidewalks: _____

Drain System: _____

Light Standards: X _____ Not functional

Expansion Joints: _____
 Openings (In.): _____

Superstructure

59 - Superstructure Cond: 7 Inspected from underneath

Bearing Devices: N _____

Slab Girders / Beams / Stringers: 4 _____ Hairline cracks

Diaphragms / Braces: N _____

Trusses / Portals / Bracing: N _____

Rivets / Bolts: N _____

Paint: N _____

Substructure

60 - Substructure Cond: 6

Stem / Columns / Piles: 3 _____ Minor spalls at joints

Abutments
 Caps: N _____
 Bearing Seats: N _____
 Backwalls: N _____
 Wingwalls: 3 _____ Minor cracks

Piers
 Stem / Columns / Piles: 3 _____ Minor spalls/del., Hairline horizontal crack
 Caps: 3 _____ Minor crack, joints leak.
 Bearing Seats: N _____
 Crash Walls: N _____

Fender Systems: N _____

Paint: N _____

Bridge Inspection Report

Structure Number: _____

Additional Inspection Data

36A – Bridge Railing Adequacy:	<input type="checkbox"/>	Rail Types:			
Approach Guardrail Adequacy:	<input type="checkbox"/>	36B – Transitions:	<input type="checkbox"/>	36C – Guardrail:	<input type="checkbox"/>
				36D – Ends:	<input type="checkbox"/>

108A – Wearing Surface Type:	<input type="checkbox"/>	108B – Type of Membrane:	<input type="checkbox"/>	108C – Deck Protection:	<input type="checkbox"/>
108D – Total Deck Thickness (In.):	<input type="checkbox"/>				

59A – Paint Date (Mo/Yr):	<input type="checkbox"/>				
59B – Paint Systems:	- - -	Color: Fascia –	___;	Inter. –	___;
		Railing –	___.		
59C – Utilities Attached:	- -				

Weight Limit Posting

70A2 – Single Unit Vehicles:	<input checked="" type="checkbox"/>	Combinations:	70B2 – 3 or 4 Axle:	<input checked="" type="checkbox"/>	70C2 – 5 or More Axle:	<input checked="" type="checkbox"/>
70D2 – One Truck at a Time:	<input type="checkbox"/>					

Inspection Resource Needs	Time to Inspect (H:M):		:	Traffic Control:		
	Equipment:	Boat–	Waders–		Snooper–	Manlift–
		Ladder–	Short	Medium	Tall	Other–

93C – Special Inspection Date: / / / / / / / / / /

Signature Block

	Signature	Date	Unit Supervisor Initials - Date
Inspection Team Leader			

Additional Comments:

Vertical clearance sign posted on north approach (11'-8")

Inspection Team: Ken Smorynski and Pankaj Kumar (Infrastructure Engineering Inc.)

(Continue comments on page 4)



Structure Number: _____

Maintenance County: COOK

90 - Insp. Date 90A - Insp. Team Leader/Qualification

08/18/2015	/
/ /	/
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/ /	/

Temp. 82°F

Township: _____

Municipality: CHICAGO

Fac Carried: NS Englewood Connector

Feat Crossed: WOLCOTT AVENUE

Location: over Wolcott Ave. N of W 59th St.

Mat/Type/# Span: Concrete/slab/4 spans

Bridge Inspection Year:

Team Sect. - Sub-Sect: _____

Appraisals

Comments (All comments must be dated.)

Deck

58 - Deck Condition:

Wearing Surface

Parapets / Bridge Railings:

Curbs:

Median:

Sidewalks:

Drain System:

Light Standards:

Expansion Joints:

Railing in fair condition

Functional except Center Pier

Openings (In.): _____

Superstructure

59 - Superstructure Cond: 7

Bearing Devices:

Girders / Beams / Stringers:

Diaphragms / Braces:

Trusses / Portals / Bracing:

Rivets / Bolts:

Paint:

Inspected from underneath

Hairline crack, spall at side beam at top

slab

Substructure

60 - Substructure Cond: 5

Stem / Columns / Piles:

Caps:

Bearing Seats:

Backwalls:

Wingwalls:

Stem / Columns Piles:

Caps:

Bearing Seats:

Crash Walls:

Fender Systems:

Paint:

spalls/del. along joints at wingwall

Minor cracks, NW horizontal crack joint offset minor spalls/del. at corners ^{of opening}

Del. & spall faces, comp. rebar

Bridge Inspection Report

Structure Number: _____

Additional Inspection Data

36A – Bridge Railing Adequacy: <input type="checkbox"/>	Rail Types: _____
Approach Guardrail Adequacy: <input type="checkbox"/>	36B – Transitions: <input type="checkbox"/> 36C – Guardrail: <input type="checkbox"/> 36D – Ends: <input type="checkbox"/>

108A – Wearing Surface Type: <input type="checkbox"/>	108B – Type of Membrane: <input type="checkbox"/>	108C – Deck Protection: <input type="checkbox"/>
108D – Total Deck Thickness (In.): _____		

59A – Paint Date (Mo/Yr): _____	59B – Paint Systems: _____	Color: Fascia – ___; Inter. – ___; Railing – ___.
59C – Utilities Attached: _____		

Weight Limit Posting

70A2 – Single Unit Vehicles: <input type="checkbox"/> T.	Combinations: 70B2 – 3 or 4 Axle: <input type="checkbox"/> T.	70C2 – 5 or More Axle: <input type="checkbox"/> T.
70D2 – One Truck at a Time: <input type="checkbox"/>		

Inspection Resource Needs	Time to Inspect (H:M): _____ : _____	Traffic Control: _____			
	Equipment:	Boat–	Waders–	Snooper–	Manlift–
		Ladder–	Short	Medium	Tall

93C – Special Inspection Date: / / / / / / / / / /

Signature Block

	Signature	Date	Unit Supervisor Initials - Date
Inspection Team Leader			

Additional Comments:

NO vertical clearance sign

Inspection Team: Ken Smorynski and Pankaj Kumar (Infrastructure Engineering Inc.)

(Continue comments on page 4)



Structure Number: _____

Maintenance County: COOK

90 - Insp. Date 90A - Insp. Team Leader/Qualification

Temp.

08/18/2015
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75°F

Township: _____

Municipality: CHICAGO

Fac Carried: NS Englewood Connector

Feat Crossed: HONORE Street

Location: over Honore st. N of W 59th st.

Mat/Type/# Span: Concrete/slab/4 spans

Bridge Inspection Year:

Team Sect. - Sub-Sect: _____

Appraisals

Comments (All comments must be dated.)

Deck

58 - Deck Condition:

Wearing Surface

Parapets / Bridge Railings

Railing in fair condition

Curbs:

Median:

Sidewalks:

Drain System:

Light Standards:

Underdeck lights on, not at center pier

Expansion Joints:

Openings (In.): _____

Superstructure

59 - Superstructure Cond:

Bearing Devices:

Slab

Girders / Beams / Stringers:

N

4

Hairline cracks

Diaphragms / Braces:

N

Trusses / Portals / Bracing:

N

Rivets / Bolts:

N

Paint:

N

Substructure

60 - Substructure Cond:

Stem / Columns / Piles:

3

Minor spalls

Caps:

N

Bearing Seats:

N

Backwalls:

N

Wingwalls:

3

Minor cracks

Stem / Columns / Piles:

3

Minor del. & spalls

Caps:

3

Minor spalls at top corners

Bearing Seats:

N

Crash Walls:

N

Fender Systems:

N

Paint:

N

Bridge Inspection Report

Structure Number: _____

Additional Inspection Data

36A – Bridge Railing Adequacy:	<input type="checkbox"/>	Rail Types:	
Approach Guardrail Adequacy:	36B – Transitions:	36C – Guardrail:	36D – Ends:

108A – Wearing Surface Type:		108B – Type of Membrane:		108C – Deck Protection:	
108D – Total Deck Thickness (In.):					

59A – Paint Date (Mo/Yr):		
59B – Paint Systems:	- - -	Color: Fascia – ___; Inter. – ___; Railing – ___.
59C – Utilities Attached:	- -	

Weight Limit Posting

70A2 – Single Unit Vehicles:	<input checked="" type="checkbox"/> T.	Combinations:	70B2 – 3 or 4 Axle:	<input checked="" type="checkbox"/> T.	70C2 – 5 or More Axle:	<input type="checkbox"/> T.
70D2 – One Truck at a Time:	<input type="checkbox"/>					

Inspection Resource Needs	Time to Inspect (H:M):		:	Traffic Control:		
	Equipment:	Boat–	Waders–	Snooper–		Manlift–
		Ladder–	Short	Medium	Tall	Other–

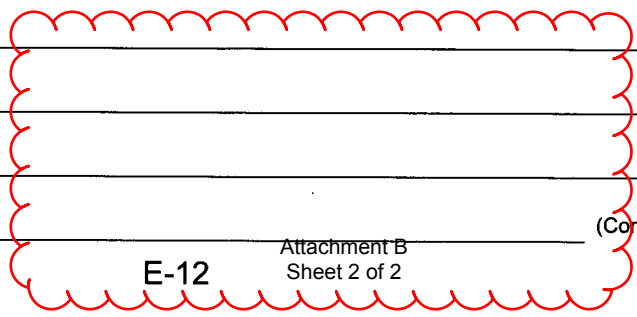
93C – Special Inspection Date: / / / / / / / / / /

Signature Block

	Signature	Date	Unit Supervisor Initials - Date
Inspection Team Leader			

Additional Comments:
Vertical clearance sign on north approach (12'-2")

Inspection Team: Ken Smorynski and Pankaj Kumar (Infrastructure Engineering Inc.)





Structure Number: _____

Maintenance County: COOK

90 - Insp. Date 90A - Insp. Team Leader/Qualification

Temp.

Township: _____

08/18/2015
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73 F

Municipality: CHICAGO

Fac Carried: NS Englewood Connector

Feat Crossed: WOOD STREET

Location: over Wood St. N of W 9th St.

Mat/Type/# Span: concrete/slab/3 span

Bridge Inspection Year:

Team Sect. - Sub-Sect: _____

Appraisals

Comments (All comments must be dated.)

Deck

58 - Deck Condition:

Wearing Surface

Parapets / Bridge Railings

Railing in fair condition

Curbs:

Median:

Sidewalks:

Drain System:

Light Standards:

Functional except at center pier possibly

Expansion Joints:

Openings (In.): _____

Superstructure

59 - Superstructure Cond:

Bearing Devices:

N

Girders / Beams / Stringers:

4

No visible defects; hairline cracks.

Diaphragms / Braces:

N

Trusses / Portals / Bracing:

N

Rivets / Bolts:

N

Paint:

N

Substructure

60 - Substructure Cond:

Stem / Columns / Piles:

4

Spall at joints in the middle, East.

Caps:

N

Bearing Seats:

N

Backwalls:

N

Wingwalls:

4

Crack, spalls at joint, through crack at top

Stem / Columns / Piles:

4

Minimal del. & spalls.

Caps:

4

No visible defects.

Bearing Seats:

N

Crash Walls:

N

Fender Systems:

N

Paint:

N

Remove and add new page numbers

Slab

Bridge Inspection Report

Structure Number: _____

Additional Inspection Data

36A – Bridge Railing Adequacy: <input type="checkbox"/>		Rail Types: _____
Approach Guardrail Adequacy: <input type="checkbox"/>	36B – Transitions: <input type="checkbox"/>	36C – Guardrail: <input type="checkbox"/> 36D – Ends: <input type="checkbox"/>

108A – Wearing Surface Type: _____	108B – Type of Membrane: _____	108C – Deck Protection: _____
108D – Total Deck Thickness (In.): _____		

59A – Paint Date (Mo/Yr): _____		Color: Fascia – ___; Inter. – ___; Railing – ___.
59B – Paint Systems: _____		

59C – Utilities Attached: _____		_____
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Weight Limit Posting

70A2 – Single Unit Vehicles: <input type="checkbox"/> T.	Combinations:	70B2 – 3 or 4 Axle: <input type="checkbox"/> T.	70C2 – 5 or More Axle: <input type="checkbox"/> T.
70D2 – One Truck at a Time: <input type="checkbox"/>			

Inspection Resource Needs	Time to Inspect (H:M): _____ : _____		Traffic Control: _____		
	Equipment:	Boat–	Waders–	Snooper–	Manlift–
		Ladder–	Short	Medium	Tall

93C – Special Inspection Date: _____ / _____ / _____							
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Signature Block

	Signature	Date	Unit Supervisor Initials - Date
Inspection Team Leader			

Additional Comments:

• Vertical clearance sign posted on south approach at light pole but hidden with trees. NO sign on the bridge. Sign on north approach. (13'-0")

Inspection Team: Ken Smorynski and Pankaj Kumar (Infrastructure Engineering Inc.)



Structure Number: _____

Maintenance County: COOK

90 - Insp. Date

90A - Insp. Team Leader/Qualification

Temp.

Township: _____

08/18/2015
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73°F

Municipality: CHICAGO

Fac Carried: NS Englewood Connector

Feat Crossed: PAULINA STREET

Location: over Paulina st. N of W 9th st

Mat/Type/# Span: concrete/slab/4 spans

Bridge Inspection Year:

Team Sect. - Sub-Sect: _____

Appraisals

Comments (All comments must be dated.)

Deck

58 - Deck Condition:

Wearing Surface

Parapets (Bridge Railings)

Curbs:

Median:

Sidewalks:

Drain System:

Light Standards:

Expansion Joints:

Railing in fair condition

Functional except at center pier

Openings (In.): _____

Superstructure

59 - Superstructure Cond:

Bearing Devices:

Girders / Beams / Stringers:

Diaphragms / Braces:

Trusses / Portals / Bracing:

Rivets / Bolts:

Paint:

Insp. from underneath, top not visible.

Long. hairline cracks; Leaking Jts.

Slab

Substructure

60 - Substructure Cond:

(Stem) Columns / Piles:

Caps:

Bearing Seats:

Backwalls:

Wingwalls:

Stem (Columns) Piles:

Caps:

Bearing Seats:

Crash Walls:

Fender Systems:

Paint:

Spall & del. at wingwall joint, SE

Cracks & movement outward, worst at SE

isolated del./spall, exp. at bases & along angles

side faces del./spall, mid span cracks

Bridge Inspection Report

Structure Number: _____

Additional Inspection Data

36A – Bridge Railing Adequacy: <input type="checkbox"/>		Rail Types: _____
Approach Guardrail Adequacy: <input type="checkbox"/>	36B – Transitions: <input type="checkbox"/>	36C – Guardrail: <input type="checkbox"/>
		36D – Ends: <input type="checkbox"/>

108A – Wearing Surface Type: _____	108B – Type of Membrane: _____	108C – Deck Protection: _____
108D – Total Deck Thickness (In.): _____		

59A – Paint Date (Mo/Yr): _____	_____
59B – Paint Systems: _____	Color: Fascia – ___; Inter. – ___; Railing – ___.
59C – Utilities Attached: _____	_____

Weight Limit Posting

70A2 – Single Unit Vehicles: <input type="checkbox"/> T.	Combinations:	70B2 – 3 or 4 Axle: <input type="checkbox"/> T.	70C2 – 5 or More Axle: <input type="checkbox"/> T.
70D2 – One Truck at a Time: <input type="checkbox"/>			

Inspection Resource Needs	Time to Inspect (H:M): _____ : _____	Traffic Control: _____			
	Equipment:	Boat–	Waders–	Snooper–	Manlift–
		Ladder–	Short	Medium	Tall

93C – Special Inspection Date: / / / / / / / / / /

Signature Block

	Signature	Date	Unit Supervisor Initials - Date
Inspection Team Leader			

Additional Comments:

no vertical clearance post / sign present.

Inspection Team: Ken Smorynski and Pankaj Kumar (Infrastructure Engineering Inc.)

(Continue comments on page 4)



Structure Number: _____

Maintenance County: COOK

90 - Insp. Date

90A - Insp. Team Leader/Qualification

Temp.

Township: _____

08/28/2015
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73°F

Municipality: Chicago

Fac Carried: NS Englewood Connector

Feat Crossed: Ashland Avenue

Location: over Ashland Ave. N of W 59th St.

Mat/Type/# Span: Concrete/Slab/4span

Bridge Inspection Year:

Team Sect. - Sub-Sect: _____ - _____

Appraisals

Comments (All comments must be dated.)

Deck

58 - Deck Condition:

Wearing Surface

Parapets / Bridge Railings

Railing in good condition

Curbs:

Median:

Sidewalks:

Drain System:

Light Standards:

Functional except Center Pier

Expansion Joints:

Openings (In.): _____

Superstructure

59 - Superstructure Cond:

Bearing Devices: N

Big

Slab

Girders / Beams / Stringers: 3

1 spalls, exp. bars, minor cracks, fascia spalls

Diaphragms / Braces: N

Trusses / Portals / Bracing: N

Rivets / Bolts: N

Paint: N

Substructure

60 - Substructure Cond:

Stem / Columns / Piles: 3

Large area of del./spalls

Abutments

Caps: N

Bearing Seats: N

Backwalls: N

Wingwalls: 4

Cracks, minor spalls

Stem / Columns / Piles: 2

Del./spalls (large), minor horiz. cracking

Piers

Caps: 2

Side-face del./spall, vert. cracks

Bearing Seats: N

Crash Walls: N

Fender Systems: N

Paint: N

Bridge Inspection Report

Structure Number: _____

Additional Inspection Data

36A – Bridge Railing Adequacy: Rail Types: _____

Approach Guardrail Adequacy: 36B – Transitions: 36C – Guardrail: 36D – Ends:

108A – Wearing Surface Type: 108B – Type of Membrane: 108C – Deck Protection:

108D – Total Deck Thickness (In.):

59A – Paint Date (Mo/Yr):

59B – Paint Systems: - - Color: Fascia – ; Inter. – ; Railing – .

59C – Utilities Attached: -

Weight Limit Posting

70A2 – Single Unit Vehicles: T. Combinations: 70B2 – 3 or 4 Axle: T. 70C2 – 5 or More Axle: T.

70D2 – One Truck at a Time:

Inspection Resource Needs	Time to Inspect (H:M):		:	Traffic Control:		
	Equipment:	Boat–	Waders–		Snooper–	Manlift–
		Ladder–	Short	Medium	Tall	Other–

93C – Special Inspection Date: / / / / / / / / / /

Signature Block

	Signature	Date	Unit Supervisor Initials - Date
Inspection Team Leader			

Additional Comments:

VC sign on both sides of the bridge (13'-10")

Inspection Team: Ken Smorynski and Pankaj Kumar (Infrastructure Engineering Inc.)

(Continue comments on page 4)



Structure Number: _____

Maintenance County: COOK

90 - Insp. Date 90A - Insp. Team Leader/Qualification

08/17/2015	/
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/ /	/
/ /	/

Temp.

81°F

Township: _____

Municipality: CHICAGO

Fac Carried: NS Englewood Connector

Feat Crossed: Justine Street

Location: Over Justine St. N of W 59th St.

Mat/Type/# Span: Concrete/slab/4 spans

Bridge Inspection Year:

Team Sect. - Sub-Sect: _____

Appraisals

Comments (All comments must be dated.)

Deck

58 - Deck Condition:

Wearing Surface

Parapets (Bridge Railings)

Curbs:

Median:

Sidewalks:

Drain System:

Light Standards:

Expansion Joints:

Railing in fair condition

Light present, illuminair/bulbs all broken

Openings (In.): _____

Superstructure

59 - Superstructure Cond:

Bearing Devices:

N

(Slab) Girders / Beams / Stringers:

3

Diaphragms / Braces:

N

Trusses / Portals / Bracing:

N

Rivets / Bolts:

N

Paint:

N

Inspection from underneath, top not visible

Minimal map cracking & longitudinal hairline cracks

Substructure

60 - Substructure Cond:

(Stem) Columns / Piles:

3

Caps:

N

Bearing Seats:

N

Backwalls:

N

Wingwalls:

3

Stem / (Columns) / Piles:

3

Caps:

2

Bearing Seats:

N

Crash Walls:

N

Fender Systems:

N

Paint:

N

Spalls on bents of joints at wingwalls.

Cracks at few locations (hairline)

Corner del./spalls

sideface del./spalls, hairline cracks mid span

Bridge Inspection Report

Structure Number: _____

Additional Inspection Data

36A – Bridge Railing Adequacy:		Rail Types:			
Approach Guardrail Adequacy:	36B – Transitions:	36C – Guardrail:		36D – Ends:	

108A – Wearing Surface Type:		108B – Type of Membrane:		108C – Deck Protection:	
108D – Total Deck Thickness (In.):					

59A – Paint Date (Mo/Yr):					
59B – Paint Systems:	-	-	-	Color: Fascia – ___;	Inter. – ___; Railing – ___.

59C – Utilities Attached:					
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Weight Limit Posting

70A2 – Single Unit Vehicles:	<input type="checkbox"/> T.	Combinations:	70B2 – 3 or 4 Axle:	<input type="checkbox"/> T.	70C2 – 5 or More Axle:	<input type="checkbox"/> T.
70D2 – One Truck at a Time:						

Inspection Resource Needs	Time to Inspect (H:M):		:	Traffic Control:			
	Equipment:	Boat–	Waders–		Snooper–		Manlift–
		Ladder–	Short	Medium	Tall	Other–	

93C – Special Inspection Date:	/ /	/ /	/ /	/ /	/ /
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Signature Block

	Signature	Date	Unit Supervisor Initials - Date
Inspection Team Leader			

Additional Comments:

Vertical clearance sign at south approach (13'-2")
• NO sign/post at north approach.

Inspection Team: Ken Smorynski and Pankaj Kumar (Infrastructure Engineering Inc.)

(Continue comments on page 4)



Illinois Department of Transportation

Bridge Inspection Report (MI)

Structure Number: _____

Maintenance County: COOK

90 - Insp. Date	90A - Insp. Team Leader/Qualification
08/17/2015	/
/ /	/
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/ /	/
/ /	/

Temp.
81°F

Township: _____
 Municipality: CHICAGO
 Fac Carried: NS Englewood Connector
 Feat Crossed: Lafkin Street
 Location: Over Lafkin St. N of W 59th St.
 Mat/Type/# Span: Concrete/Slab/4 Spans

Bridge Inspection Year:

Team Sect. - Sub-Sect: _____

Appraisals

Comments (All comments must be dated.)

Deck

58 - Deck Condition:

Wearing Surface: _____

Parapets (Bridge Railings): _____ Missing railings

Curbs: _____

Median: _____

Sidewalks: _____

Drain System: _____

Light Standards: _____ All functional, flashers on at pier

Expansion Joints: _____
 Openings (In.): _____

Superstructure

59 - Superstructure Cond:

Bearing Devices: N

Slab Girders / Beams / Stringers: 4 Minimal map cracking

Diaphragms / Braces: N

Trusses / Portals / Bracing: N

Rivets / Bolts: N

Paint: N

Substructure

60 - Substructure Cond:

Stem / Columns / Piles: 3 spalls & del. on joints & center of W. Abut.

Abutments
 Caps: N
 Bearing Seats: N
 Backwalls: N
 Wingwalls: 3 Cracks in W. Abut., possible rotation of S. wingwalls

Piers
 Stem / Columns / Piles: 3 corners del-/spalls, see photos.
 Caps: 3 hairline cracks mid-span, bel. columns, side face del-/spall
 Bearing Seats: N
 Crash Walls: N

Fender Systems: N

Paint: N

Bridge Inspection Report

Structure Number: _____

Additional Inspection Data

36A – Bridge Railing Adequacy: <input type="checkbox"/>		Rail Types: _____
Approach Guardrail Adequacy: <input type="checkbox"/>	36B – Transitions: <input type="checkbox"/>	36C – Guardrail: <input type="checkbox"/>
		36D – Ends: <input type="checkbox"/>

108A – Wearing Surface Type: _____	108B – Type of Membrane: _____	108C – Deck Protection: _____
108D – Total Deck Thickness (In.): _____		

59A – Paint Date (Mo/Yr): _____	_____
59B – Paint Systems: _____	Color: Fascia – ___; Inter. – ___; Railing – ___.
59C – Utilities Attached: _____	_____

Weight Limit Posting

70A2 – Single Unit Vehicles: <input type="checkbox"/> T.	Combinations:	70B2 – 3 or 4 Axle: <input type="checkbox"/> T.	70C2 – 5 or More Axle: <input type="checkbox"/> T.
70D2 – One Truck at a Time: <input type="checkbox"/>			

Inspection Resource Needs	Time to Inspect (H:M): _____ : _____		Traffic Control: _____		
	Equipment:	Boat–	Waders–	Snooper–	Manlift–
		Ladder–	Short	Medium	Tall

93C – Special Inspection Date: / / / / / / / / / /

Signature Block

	Signature	Date	Unit Supervisor Initials - Date
Inspection Team Leader			

Additional Comments:

Vehicle clearance posted on both sides of the bridge & on light pole at south approach. (13'6")

Inspection Team: Ken Smorynski and Pankaj Kumar (Infrastructure Engineering Inc.)



Structure Number: _____

Maintenance County: COOK

90 - Insp. Date

90A - Insp. Team Leader/Qualification

Temp.

Township: _____

08/17/2015
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81°F

Municipality: CHICAGO

Fac Carried: NS Englewood Connector

Feat Crossed: Bishop street

Location: Over Bishop st. N of W 9th st.

Mat/Type/# Span: Concrete/slab/4 spans

Bridge Inspection Year:

Team Sect. - Sub-Sect: _____

Appraisals

Comments (All comments must be dated.)

Deck

58 - Deck Condition:

Wearing Surface

Parapets / Bridge Railings

Curbs:

Median:

Sidewalks:

Drain System:

Light Standards:

Expansion Joints:

Railing in fair condition

Functional, Center Pier lighting not functional

Openings (In.): _____

Superstructure

59 - Superstructure Cond:

Bearing Devices:

Slab Girders / Beams / Stringers:

Diaphragms / Braces:

Trusses / Portals / Bracing:

Rivets / Bolts:

Paint:

N

4

N

N

N

N

Minimal map cracking

Substructure

60 - Substructure Cond:

Stem / Columns / Piles:

Abutments Caps:

Bearing Seats:

Backwalls:

Wingwalls:

Stem / Columns / Piles:

Piers Caps:

Bearing Seats:

Crash Walls:

Fender Systems:

Paint:

3

N

N

N

3

3

3

N

N

N

South joints at wingwall spall/del.

through cracks multiple locations

Corners del./spall, see photos

Hairline cracks midspan b/w columns

Bridge Inspection Report

Structure Number: _____

Additional Inspection Data

36A – Bridge Railing Adequacy:		Rail Types:
Approach Guardrail Adequacy:	36B – Transitions:	36C – Guardrail:
		36D – Ends:

108A – Wearing Surface Type:	108B – Type of Membrane:	108C – Deck Protection:
108D – Total Deck Thickness (In.):		

59A – Paint Date (Mo/Yr):		
59B – Paint Systems:	- - -	Color: Fascia – ___; Inter. – ___; Railing – ___.
59C – Utilities Attached:	- -	

Weight Limit Posting

70A2 – Single Unit Vehicles:	T.	Combinations:	T.	70B2 – 3 or 4 Axle:	T.	70C2 – 5 or More Axle:	T.
70D2 – One Truck at a Time:							

Inspection Resource Needs	Time to Inspect (H:M):	:	Traffic Control:				
	Equipment:	Boat–	Waders–		Snooper–		Manlift–
		Ladder–	Short	Medium	Tall	Other–	

93C – Special Inspection Date: / / / / / / / / / /

Signature Block

	Signature	Date	Unit Supervisor Initials - Date
Inspection Team Leader			

Additional Comments:

• Vertical clearance sign posted on light pole on both approaches (12'-4")

Inspection Team: Ken Smorynski and Pankaj Kumar (Infrastructure Engineering Inc.)

(Continue comments on page 4)



Illinois Department of Transportation

Bridge Inspection Report (MI)

Structure Number: _____

Maintenance County: COOK

90 - Insp. Date

90A - Insp. Team Leader/Qualification

Temp.

Township: _____

<u>08/28/2015</u>
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<u>64°F</u>

Municipality: CHICAGO

Fac Carried: NS Englewood Connector

Feat Crossed: LOOMIS BOULEVARD

Location: Over Loomis Blvd. N of W 9th St

Mat/Type/# Span: Concrete/slab/3 span

Bridge Inspection Year:

Team Sect. - Sub-Sect: _____

Appraisals

Comments (All comments must be dated.)

Deck

58 - Deck Condition:

Wearing Surface

Parapets Bridge Railings:

Railings in good condition

Curbs:

Median:

Sidewalks:

Drain System:

Light Standards:

All functional except one NW corner

Expansion Joints:

Openings (In.): _____

Superstructure

59 - Superstructure Cond:

Bearing Devices:

N

slab

Girders / Beams / Stringers:

4

Minor cracks & spalls on fascia; efflorescence

Diaphragms / Braces:

N

Trusses / Portals / Bracing:

N

Rivets / Bolts:

N

Paint:

N

Substructure

60 - Substructure Cond:

Stem / Columns / Piles:

3

Big del. & minor spalls

Abutments
Caps:

N

Bearing Seats:

N

Backwalls:

N

Wingwalls:

3

Cracks

Stem / Columns / Piles:

2

Big spalls & del., exp rebars

Piers
Caps:

3

side face spall & del., corner spalls

Bearing Seats:

N

Crash Walls:

N

Fender Systems:

N

Paint:

N

Bridge Inspection Report

Structure Number: _____

Additional Inspection Data

36A – Bridge Railing Adequacy: <input type="checkbox"/>	Rail Types: _____
Approach Guardrail Adequacy: <input type="checkbox"/>	36B – Transitions: <input type="checkbox"/> 36C – Guardrail: <input type="checkbox"/> 36D – Ends: <input type="checkbox"/>

108A – Wearing Surface Type: <input type="checkbox"/>	108B – Type of Membrane: <input type="checkbox"/>	108C – Deck Protection: <input type="checkbox"/>
108D – Total Deck Thickness (In.): _____		

59A – Paint Date (Mo/Yr): _____		
59B – Paint Systems: _____	- - -	Color: Fascia – ___; Inter. – ___; Railing – ___.
59C – Utilities Attached: _____	- -	

Weight Limit Posting

70A2 – Single Unit Vehicles: <input type="checkbox"/> T.	Combinations: _____	70B2 – 3 or 4 Axle: <input type="checkbox"/> T.	70C2 – 5 or More Axle: <input type="checkbox"/> T.
70D2 – One Truck at a Time: <input type="checkbox"/>			

Inspection Resource Needs	Time to Inspect (H:M): _____ : _____	Traffic Control: _____			
	Equipment:	Boat–	Waders–	Snooper–	Manlift–
	Ladder–	Short	Medium	Tall	Other–

93C – Special Inspection Date: / / / / / / / / / /

Signature Block

	Signature	Date	Unit Supervisor Initials - Date
Inspection Team Leader			

Additional Comments:

VC sign on south approach (12'-4")

Inspection Team: Ken Smorynski and Pankaj Kumar (Infrastructure Engineering Inc.)

(Continue comments on page 4)



Structure Number: _____

Maintenance County: COOK

90 - Insp. Date 90A - Insp. Team Leader/Qualification

Temp.

Township: _____

08/17/2015
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Municipality: CHICAGO

Fac Carried: NS Englewood Connector

Feat Crossed: Ada Street

Location: over Ada St. N of W 59th St.

Mat/Type/# Span: Concrete / Slab / 4 Spans

Bridge Inspection Year:

Team Sect. - Sub-Sect: _____

Appraisals

Comments (All comments must be dated.)

Deck

58 - Deck Condition:

Wearing Surface

Parapets (Bridge Railings):

Missing Top rails SE corner

Curbs:

Median:

Sidewalks:

Drain System:

Light Standards:

Under deck lighting, Functional; Center Pier

Expansion Joints:

Openings (In.): (lighting not functional)

Superstructure

59 - Superstructure Cond:

Bearing Devices:

N

slab Girders / Beams / Stringers:

4

Minimal Map Cracking,

Diaphragms / Braces:

N

Trusses / Portals / Bracing:

N

Rivets / Bolts:

N

Paint:

N

Substructure

60 - Substructure Cond:

Stem / Columns / Piles:

3

West Abut. has del. & spalls, exposed rebars

Abutments

Caps:

N

Bearing Seats:

N

Backwalls:

N

Wingwalls:

3

NW, NE have full ht. cracks, SW spalled, SE Top spall/del corners del./spall

Stem / Columns / Piles:

3

Piers

Caps:

3

South Face spall.

Bearing Seats:

N

Crash Walls:

N

Fender Systems:

N

Paint:

N

Bridge Inspection Report

Structure Number: _____

Additional Inspection Data

36A – Bridge Railing Adequacy: <input type="checkbox"/>		Rail Types: _____
Approach Guardrail Adequacy: <input type="checkbox"/>	36B – Transitions: <input type="checkbox"/>	36C – Guardrail: <input type="checkbox"/> 36D – Ends: <input type="checkbox"/>

108A – Wearing Surface Type: _____	108B – Type of Membrane: _____	108C – Deck Protection: _____
108D – Total Deck Thickness (In.): _____		

59A – Paint Date (Mo/Yr): _____		
59B – Paint Systems: _____	- - -	Color: Fascia – ___; Inter. – ___; Railing – ___.
59C – Utilities Attached: _____	- -	

Weight Limit Posting

70A2 – Single Unit Vehicles: <input type="checkbox"/> T.	Combinations: _____	70B2 – 3 or 4 Axle: <input type="checkbox"/> T.	70C2 – 5 or More Axle: <input type="checkbox"/> T.
70D2 – One Truck at a Time: <input type="checkbox"/>			

Inspection Resource Needs	Time to Inspect (H:M): _____ : _____		Traffic Control: _____		
	Equipment:	Boat–	Waders–	Snooper–	Manlift–
	Ladder–	Short	Medium	Tall	Other–

93C – Special Inspection Date: / / / / / / / / / /

Signature Block

	Signature	Date	Unit Supervisor Initials - Date
Inspection Team Leader			

Additional Comments:

• Vertical clearance sign Posted on light pole at South approach (12'-10")

Inspection Team: Ken Smorynski and Pankaj Kumar (Infrastructure Engineering Inc.)



Illinois Department of Transportation

Bridge Inspection Report (MI)

Structure Number: _____

Maintenance County: COOK

90 - Insp. Date	90A - Insp. Team Leader/Qualification
08/18/2015	/
/ /	/
/ /	/
/ /	/
/ /	/

Temp.
84°F

Township: _____
 Municipality: CHICAGO
 Fac Carried: NS Englewood Connector
 Feat Crossed: Throop street
 Location: OVER Throop St. N of W 59th St.
 Mat/Type/# Span: Concrete/slab/4 Spans

Bridge Inspection Year:

Team Sect. - Sub-Sect: _____

Appraisals

Comments (All comments must be dated.)

Deck

58 - Deck Condition:

Wearing Surface _____

Parapets / Bridge Railings _____

Curbs: _____

Median: _____

Sidewalks: _____

Drain System: _____

Light Standards: _____

Expansion Joints: _____

Rails missing

Functional except center pier

Openings (In.): _____

Superstructure

59 - Superstructure Cond:

Bearing Devices: N

Slab Girders / Beams / Stringers: 3

Diaphragms / Braces: N

Trusses / Portals / Bracing: N

Rivets / Bolts: N

Paint: N

Inspected - Boom underneath

Minor exp. ^{shallow} reinforcement

Substructure

60 - Substructure Cond:

Stem / Columns / Piles: 3

Abutments Caps: N

Bearing Seats: N

Backwalls: N

Wingwalls: 3

Stem Columns / Piles: 2

Piers Caps: 3

Bearing Seats: N

Crash Walls: N

Fender Systems: N

Paint: N

spalls at joints at wingwall

Vertical & horizontal cracks SW corner

SE furb pier extension is in fair condition

side face del./spall

Bridge Inspection Report

Structure Number: _____

Additional Inspection Data

36A – Bridge Railing Adequacy:		Rail Types:			
Approach Guardrail Adequacy:	36B – Transitions:	36C – Guardrail:	36D – Ends:		
108A – Wearing Surface Type:		108B – Type of Membrane:		108C – Deck Protection:	
108D – Total Deck Thickness (In.):					
59A – Paint Date (Mo/Yr):					
59B – Paint Systems:	- - -	Color: Fascia – ___; Inter. – ___; Railing – ___.			
59C – Utilities Attached:	- -				

Weight Limit Posting

70A2 – Single Unit Vehicles:	<input checked="" type="checkbox"/> T.	Combinations:	70B2 – 3 or 4 Axle:	<input checked="" type="checkbox"/> T.	70C2 – 5 or More Axle:	<input checked="" type="checkbox"/> T.
70D2 – One Truck at a Time:	<input type="checkbox"/>					

Inspection Resource Needs	Time to Inspect (H:M):		:	Traffic Control:		
	Equipment:	Boat–	Waders–	Snooper–		Manlift–
		Ladder–	Short	Medium	Tall	Other–

93C – Special Inspection Date: / / / / / / / / / /

Signature Block

	Signature	Date	Unit Supervisor Initials - Date
Inspection Team Leader			

Additional Comments:

vertical clearance sign on north and south approaches.
(12'-10")

Inspection Team: Ken Smorynski and Pankaj Kumar (Infrastructure Engineering Inc.)



Structure Number: _____

Maintenance County: Cook County

90 - Insp. Date	90A - Insp. Team Leader/Qualification	Temp.
08/17/15	/	75°F
/ /	/	
/ /	/	
/ /	/	
/ /	/	

Township: _____
 Municipality: Chicago
 Fac Carried: NS Englewood Connector
 Feat Crossed: Elizabeth St.
 Location: Over Elizabeth St. N of W. 59th St.
 Mat/Type/# Span: Concrete / Slab / 4 Span

Bridge Inspection Year:

Team Sect. - Sub-Sect: _____

Appraisals

Comments (All comments must be dated.)

Deck

58 - Deck Condition:	<u>2</u>					
Wearing Surface	<u>2</u>					
Parapets / Bridge Railings:	<u>4</u>					
Curbs:	<u>2</u>					<u>minor rusting, connections in satisfactory condition, ↳ 2 broken rails</u>
Median:	<u>2</u>					
Sidewalks:	<u>2</u>					
Drain System:	<u>2</u>					
Light Standards:	<u>4</u>					<u>Conduit in acceptable condition, lighting in pier 2 damaged</u>
Expansion Joints:						Openings (In.): _____

Superstructure

59 - Superstructure Cond:	<u>6</u>					
Bearing Devices:	<u>2</u>					
<u>Slab</u> Girders / Beams / Stringers:	<u>4</u>					<u>slab has minor 1/2 cracking in spans 1+4 in long. direction ↳ honeycombing on north + south edge spans 1+4</u>
Diaphragms / Braces:	<u>2</u>					
Trusses / Portals / Bracing:	<u>2</u>					
Rivets / Bolts:	<u>2</u>					
Paint:	<u>4</u>					<u>Paint in acceptable condition, fading paint</u>

Substructure

60 - Substructure Cond:	<u>6</u>					
<u>Stem</u> / Columns / Piles:	<u>4</u>					<u>minor cracking + spalling south edge of east abut.</u>
Abutments Caps:	<u>2</u>					
Bearing Seats:	<u>2</u>					
Backwalls:	<u>2</u>					
Wingwalls:	<u>4</u>					<u>Few minor 1/2 cracks in middle of wingwall</u>
Stem / <u>Columns</u> / Piles:	<u>4</u>					<u>Minor spalling + cracking on columns</u>
Piers Caps:	<u>3</u>					<u>Moderate cracking b/t columns (1/2 to 1/4")</u>
Bearing Seats:	<u>2</u>					
Crash Walls:	<u>2</u>					
Fender Systems:	<u>2</u>					
Paint:	<u>3</u>					<u>Flaking Paint</u>

Bridge Inspection Report

Structure Number: _____

Additional Inspection Data

36A – Bridge Railing Adequacy:		Rail Types:			
Approach Guardrail Adequacy:	36B – Transitions:	36C – Guardrail:	36D – Ends:		
108A – Wearing Surface Type:	108B – Type of Membrane:	108C – Deck Protection:			
108D – Total Deck Thickness (In.):					
59A – Paint Date (Mo/Yr):					
59B – Paint Systems:	- - -	Color: Fascia – ___; Inter. – ___; Railing – ___.			
59C – Utilities Attached:	- -				

Weight Limit Posting

70A2 – Single Unit Vehicles:	<input checked="" type="checkbox"/> T.	Combinations:	70B2 – 3 or 4 Axle:	<input checked="" type="checkbox"/> T.	70C2 – 5 or More Axle:	<input type="checkbox"/> T.
70D2 – One Truck at a Time:						

Inspection Resource Needs	Time to Inspect (H:M):		:	Traffic Control:			
	Equipment:	Boat–	Waders–	Snooper–	Manlift–		
		Ladder–	Short	Medium	Tall	Other–	

93C – Special Inspection Date: / / / / / / / / / /

Signature Block

	Signature	Date	Unit Supervisor Initials - Date
Inspection Team Leader			

Additional Comments:

Slab's north fascia beam is spalled for 8 ft. west of CL pier 2. 18" x 2" depth cracking along deck edge b/t piers 1+2 and 2+3 w/ efflorescence

Concrete columns have minor spalls on pier 1, columns 1+2+3; pier 2 column 3; and pier 3 columns 1+3. Column 1 on pier 3 has a significant spall.

*Vertical Clearance warning signs are to the north only.
13'-0" vertical clearance warning sign.*

Inspection Team: Josh Mitchell and Tom Condreva (Patrick Engineering)

(Continue comments on page 4)



Structure Number: _____

Maintenance County: Cook County

90 - Insp. Date	90A - Insp. Team Leader/Qualification	Temp.
08 / 19 / 15	/	75°F
/ /	/	
/ /	/	
/ /	/	
/ /	/	

Township: _____
 Municipality: Chicago
 Fac Carried: NS Englewood Connector
 Feat Crossed: Racine Avenue
 Location: Over Racine Avenue N of W 59th St.
 Mat/Type/# Span: Concrete / Slab / 4 span

Bridge Inspection Year:

Team Sect. - Sub-Sect: _____

Appraisals

Comments (All comments must be dated.)

Deck

58 - Deck Condition:	<u>N</u> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Wearing Surface	<u>N</u>	
Parapets / Bridge Railings:	<u>2</u>	<u>Broken railing, missing anchors</u>
Curbs:	<u>N</u>	
Median:	<u>N</u>	
Sidewalks:	<u>N</u>	
Drain System:	<u>N</u>	
Light Standards :	<u>4</u>	<u>9 out of 10 lights working</u>
Expansion Joints:	<u>N</u>	Openings (In.): _____

Superstructure

59 - Superstructure Cond:	<u>6</u> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<u>minor spalling and cracking</u>
Bearing Devices:	<u>N</u>	
<u>Slab</u> Girders / Beams / Stringers:	<u>3</u>	
Diaphragms / Braces:	<u>N</u>	
Trusses / Portals / Bracing:	<u>N</u>	
Rivets / Bolts:	<u>N</u>	
Paint:	<u>N</u>	

Substructure

60 - Substructure Cond:	<u>5</u> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<u>spalling on piers, up to 10% section loss of concrete</u>
<u>Stem</u> / Columns / Piles:	<u>3</u>	<u>spalling with exposed rebar</u>
Abutments		
Caps:	<u>N</u>	
Bearing Seats:	<u>N</u>	
Backwalls:	<u>N</u>	
Wingwalls:	<u>4</u>	
Piers		
Stem / <u>Columns</u> / Piles:	<u>2</u>	<u>major spalling on each pier, 25% loss of section, exposed rebar</u>
Caps:	<u>2</u>	<u>delamination and spalling (pier 2)</u>
Bearing Seats:	<u>N</u>	
Crash Walls:	<u>N</u>	
Fender Systems:	<u>N</u>	
Paint:	<u>3</u>	<u>Flaking paint</u>

Bridge Inspection Report

Structure Number: _____

Additional Inspection Data

36A – Bridge Railing Adequacy:		Rail Types:			
Approach Guardrail Adequacy:	36B – Transitions:	36C – Guardrail:	36D – Ends:		

108A – Wearing Surface Type:		108B – Type of Membrane:		108C – Deck Protection:	
108D – Total Deck Thickness (In.):					

59A – Paint Date (Mo/Yr):		59B – Paint Systems:	- - -	Color: Fascia – ___;	Inter. – ___;	Railing – ___.
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59C – Utilities Attached:	- -	
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Weight Limit Posting

70A2 – Single Unit Vehicles:	T.	Combinations:	70B2 – 3 or 4 Axle:	T.	70C2 – 5 or More Axle:	T.
70D2 – One Truck at a Time:						

Inspection Resource Needs	Time to Inspect (H:M):	:	Traffic Control:			
	Equipment:	Boat–	Waders–	Snooper–	Manlift–	
	Ladder–	Short	Medium	Tall	Other–	

93C – Special Inspection Date: / / / / / / / / / /

Signature Block

	Signature	Date	Unit Supervisor Initials - Date
Inspection Team Leader			

Additional Comments:

13'-0" vertical clearance warning signs on north + south side of structure.

Extended wall structure on N.E. side in good condition, minor cracking.

Concrete walls and pier structures on south side, in good condition, minor cracking

Inspection Team: Josh Mitchell and Tom Condreva (Patrick Engineering)



Illinois Department of Transportation

Bridge Inspection Report (MI)

Structure Number: _____

Maintenance County: Cook County

90 - Insp. Date	90A - Insp. Team Leader/Qualification	Temp.
08/19/15	/	75°F
/ /	/	
/ /	/	
/ /	/	
/ /	/	

Township: _____
 Municipality: Chicago
 Fac Carried: NS Englewood Connector
 Feat Crossed: May St.
 Location: Over May St. N of W 59th St.
 Mat/Type/# Span: Concrete/Slab/4 span

Bridge Inspection Year:

Team Sect. - Sub-Sect: _____

Appraisals

Comments (All comments must be dated.)

		Deck				
58 - Deck Condition:		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wearing Surface		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Parapets / Bridge Railings:		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Curbs:		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Median:		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sidewalks:		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Drain System:		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Light Standards:		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Expansion Joints:		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Superstructure

59 - Superstructure Cond:		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bearing Devices:		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Girders / Beams / Stringers:		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diaphragms / Braces:		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trusses / Portals / Bracing:		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rivets / Bolts:		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Paint:		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Substructure

60 - Substructure Cond:		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Abutments		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Stem / Columns / Piles:		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Caps:		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bearing Seats:		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Backwalls:		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wingwalls:		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Piers		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Stem / Columns / Piles:		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Caps:		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bearing Seats:		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Crash Walls:		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fender Systems:		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Paint:		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Slab

Flaking paint.

Bridge Inspection Report

Structure Number: _____

Additional Inspection Data

36A - Bridge Railing Adequacy:

Rail Types: _____

Approach Guardrail Adequacy:

36B - Transitions:

36C - Guardrail:

36D - Ends:

108A - Wearing Surface Type: _____

108B - Type of Membrane: _____

108C - Deck Protection: _____

108D - Total Deck Thickness (In.): _____

59A - Paint Date (Mo/Yr): _____

59B - Paint Systems: _____

Color: Fascia - ____; Inter. - ____; Railing - ____.

59C - Utilities Attached: _____

Weight Limit Posting

70A2 - Single Unit Vehicles: T.

Combinations: _____

70B2 - 3 or 4 Axle: T.

70C2 - 5 or More Axle: T.

70D2 - One Truck at a Time:

Inspection Resource Needs

Time to Inspect (H:M): _____ : _____

Traffic Control: _____

Equipment:

Boat-

Waders-

Snooper-

Lift-

Ladder-

Short

Medium

Tall

Other-

93C - Special Inspection Date: ____/____/____

Signature Block

	Signature	Date	Unit Supervisor Initials - Date
Inspection Team Leader			

Additional Comments:

On north east side of structure, wingwall extends 136'-6" to the north east. The northeast wingwall exhibits spalling at joints every 30' and cracking and spalling from the cap to 2' down. The NE wingwall is missing railing for last 30'

Structures to southeast, in good condition

Walls between structures and bridge, minor deterioration, good condition.

No vertical clearance warning signs to the north or south.

Inspection Team: Josh Mitchell and Tom Condrea (Patrick Engineering)

(Continue comments on page 4)



Illinois Department of Transportation

Bridge Inspection Report (MI)

Structure Number: _____

Maintenance County: Cook County

90 - Insp. Date 90A - Insp. Team Leader/Qualification

Temp.

Township: _____

08/18/15
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75°F

Municipality: Chicago

Fac Carried: NS Englewood Connector

Feat Crossed: Aberdeen St.

Location: Over Aberdeen St. N of W. 59th

Mat/Type/# Span: Concrete / Slab / 4 spans

Bridge Inspection Year:

Team Sect. - Sub-Sect: _____

Appraisals

Comments (All comments must be dated.)

Deck

58 - Deck Condition:	<u>N</u> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Wearing Surface	<u>N</u>	
Parapets / Bridge Railings:	<u>2</u>	<u>Rusting + railing anchors failed in SW corner</u>
Curbs:	<u>N</u>	
Median:	<u>N</u>	
Sidewalks:	<u>N</u>	
Drain System:	<u>N</u>	
Light Standards:	<u>3</u>	<u>9 out of 10 lights not working</u>
Expansion Joints:	<u>4</u>	Openings (In.): _____

Superstructure

59 - Superstructure Cond:	<u>6</u> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<u>spalling underneath</u>
Bearing Devices:	<u>N</u>	
Girders / Beams / Stringers:	<u>3</u>	
Diaphragms / Braces:	<u>N</u>	
Trusses / Portals / Bracing:	<u>N</u>	
Rivets / Bolts:	<u>N</u>	
Paint:	<u>N</u>	

SLAB

Substructure

60 - Substructure Cond:	<u>6</u> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<u>patch rust on angles, spalling + cracking</u>
Stem / Columns / Piles:	<u>3</u>	<u>moderate cracking + spalling</u>
Abutments Caps:	<u>2</u>	
Bearing Seats:	<u>2</u>	
Backwalls:	<u>2</u>	
Wingwalls:	<u>4</u>	<u>minor cracking</u>
Stem / Columns / Piles:	<u>3</u>	<u>spalling + cracking, delamination</u>
Piers Caps:	<u>3</u>	<u>map cracking, cracking in corners of cap</u>
Bearing Seats:	<u>2</u>	
Crash Walls:	<u>2</u>	
Fender Systems:	<u>2</u>	
Paint:	<u>3</u>	<u>Flaking Paint</u>

Bridge Inspection Report

Structure Number: _____

Additional Inspection Data

36A – Bridge Railing Adequacy:		Rail Types:			
Approach Guardrail Adequacy:	36B – Transitions:	36C – Guardrail:	36D – Ends:		

108A – Wearing Surface Type:		108B – Type of Membrane:		108C – Deck Protection:	
108D – Total Deck Thickness (In.):					

59A – Paint Date (Mo/Yr):					
59B – Paint Systems:	- - -	Color: Fascia – ___;	Inter. – ___;	Railing – ___.	

59C – Utilities Attached:					
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Weight Limit Posting

70A2 – Single Unit Vehicles:	<input checked="" type="checkbox"/>	Combinations:	70B2 – 3 or 4 Axle:	<input checked="" type="checkbox"/>	70C2 – 5 or More Axle:	<input checked="" type="checkbox"/>
70D2 – One Truck at a Time:						

Inspection Resource Needs	Time to Inspect (H:M):		:	Traffic Control:		
	Equipment:	Boat-	Waders-	Snooper-	Manlift-	
		Ladder-	Short	Medium	Tall	Other-

93C – Special Inspection Date:	/ /	/ /	/ /	/ /	/ /
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Signature Block

	Signature	Date	Unit Supervisor Initials - Date
Inspection Team Leader			

Additional Comments:

Concrete wall on SW side of bridge, in good condition

11'-10" vertical clearance warning signs N+S of structure.

Inspection Team: Josh Mitchell and Tom Condreva (Patrick Engineering)



Bridge Inspection Report (MI)

Structure Number: _____

Maintenance County: Cook County

90 - Insp. Date 90A - Insp. Team Leader/Qualification

Temp.

08/19/15
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75°

Township: _____

Municipality: Chicago

Fac Carried: NS Englewood Connector

Feat Crossed: Carpenter St.

Location: Over Carpenter St. N of W. 59th St.

Mat/Type/# Span: Concrete / Slab / 4 span

Bridge Inspection Year:

Team Sect. - Sub-Sect: _____

Appraisals

Comments (All comments must be dated.)

Deck

58 - Deck Condition:	<u>N</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Wearing Surface	<u>N</u>					
Parapets / Bridge Railings:	<u>3</u>					<u>Rusting railings</u>
Curbs:	<u>N</u>					
Median:	<u>N</u>					
Sidewalks:	<u>N</u>					
Drain System:	<u>N</u>					
Light Standards:	<u>3</u>					<u>8/10 lights working</u>
Expansion Joints:	<u>4</u>					Openings (In.): _____

Superstructure

59 - Superstructure Cond:	<u>6</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>Spalling underneath north and south fascia</u>
Bearing Devices:	<u>N</u>					<u>horizy cracking in spans 1 + 2.</u>
<u>Slab</u> Girders / Beams / Stringers:	<u>3</u>					<u>minor impact damage to fascia beam span 3.</u>
Diaphragms / Braces:	<u>N</u>					
Trusses / Portals / Bracing:	<u>N</u>					
Rivets / Bolts:	<u>N</u>					
Paint:	<u>2</u>					<u>Paint almost completely faded</u>

Substructure

60 - Substructure Cond:	<u>6</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>patch rust on angles, spalling and cracking</u>
<u>Stem</u> / Columns / Piles:	<u>4</u>					<u>minor cracking and spalling</u>
Abutments Caps:	<u>N</u>					
Bearing Seats:	<u>N</u>					
Backwalls:	<u>N</u>					
Wingwalls:	<u>4</u>					<u>minor cracking on wingwall caps</u>
Stem / <u>Columns</u> / Piles:	<u>3</u>					<u>spalling + map cracking, some delamination</u>
Piers Caps:	<u>3</u>					<u>map cracking on pier caps, and popouts</u>
Bearing Seats:	<u>N</u>					
Crash Walls:	<u>N</u>					
Fender Systems:	<u>N</u>					
Paint:	<u>3</u>					<u>Flaking paint</u>

Bridge Inspection Report

Structure Number: _____

Additional Inspection Data

36A – Bridge Railing Adequacy:	<input type="checkbox"/>	Rail Types:			
Approach Guardrail Adequacy:	36B – Transitions:	36C – Guardrail:	36D – Ends:		

108A – Wearing Surface Type:		108B – Type of Membrane:		108C – Deck Protection:	
108D – Total Deck Thickness (In.):					

59A – Paint Date (Mo/Yr):					
59B – Paint Systems:	- - -	Color: Fascia – ___;	Inter. – ___;	Railing – ___.	
59C – Utilities Attached:	- -				

Weight Limit Posting

70A2 – Single Unit Vehicles:	<input checked="" type="checkbox"/> T.	Combinations:	70B2 – 3 or 4 Axle:	<input checked="" type="checkbox"/> T.	70C2 – 5 or More Axle:	<input checked="" type="checkbox"/> T.
70D2 – One Truck at a Time:	<input type="checkbox"/>					

Inspection Resource Needs	Time to Inspect (H:M):	:	Traffic Control:		
	Equipment:	Boat–	Waders–	Snooper–	Manlift–
	Ladder–	Short	Medium	Tall	Other–

93C – Special Inspection Date: / / / / / / / / / / / /

Signature Block

	Signature	Date	Unit Supervisor Initials - Date
Inspection Team Leader			

Additional Comments:

11'-6" vertical clearance signs North + South sides

Inspection Team: Josh Mitchell and Tom Condreva (Patrick Engineering)

(Continue comments on page 4)



Structure Number: _____

Maintenance County: Cook County

90 - Insp. Date	90A - Insp. Team Leader/Qualification	Temp.
08/18/15	/	75°
/ /	/	
/ /	/	
/ /	/	
/ /	/	

Township: _____
 Municipality: Chicago
 Fac Carried: NS Englewood Connector
 Feat Crossed: Morgan St.
 Location: Over Morgan St. N of W 59th St.
 Mat/Type/# Span: Concrete/Slab/4 spans

Bridge Inspection Year:

Team Sect. - Sub-Sect: _____

Appraisals

Comments (All comments must be dated.)

Deck

58 - Deck Condition:	<u>N</u> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Wearing Surface	<u>N</u>	
Parapets / Bridge Railings:	<u>3</u>	<u>rusting</u>
Curbs:	<u>N</u>	
Median:	<u>N</u>	
Sidewalks:	<u>N</u>	
Drain System:	<u>N</u>	
Light Standards:	<u>3</u>	<u>Some lights work (8 of 10)</u>
Expansion Joints:	<u>N</u>	Openings (In.): _____

Superstructure

slab

59 - Superstructure Cond:	<u>6</u> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<u>spalling underneath south fascia beam</u>
Bearing Devices:	<u>N</u>	
Girders / Beams / Stringers:	<u>N</u>	
Diaphragms / Braces:	<u>N</u>	
Trusses / Portals / Bracing:	<u>N</u>	
Rivets / Bolts:	<u>N</u>	
Paint:	<u>N</u>	

Substructure

60 - Substructure Cond:	<u>6</u> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<u>pack rust on angles, spalling and cracking</u>
(Stem) / Columns / Piles:	<u>4</u>	<u>more cracking + spalling</u>
Abutments		
Caps:	<u>2</u>	
Bearing Seats:	<u>2</u>	
Backwalls:	<u>2</u>	
Wingwalls:	<u>4</u>	<u>minor cracking on wingwall caps</u>
Piers		
Stem (Columns) / Piles:	<u>3</u>	<u>spalling on column 2 of pier 3, map cracking</u>
Caps:	<u>3</u>	<u>map cracking on pier caps on pier 3</u>
Bearing Seats:	<u>2</u>	
Crash Walls:	<u>2</u>	
Fender Systems:	<u>4</u>	<u>No dents and good condition</u>
Paint:	<u>3</u>	<u>flaking paint</u>



Illinois Department of Transportation

Bridge Inspection Report (MI)

Structure Number: _____

Maintenance County: Cook County

90 - Insp. Date	90A - Insp. Team Leader/Qualification	Temp.
08/18/15	/	75°
/ /	/	
/ /	/	
/ /	/	
/ /	/	

Township: _____
 Municipality: Chicago
 Fac Carried: NS Englewood Connector
 Feat Crossed: Sangamon St.
 Location: Over Sangamon St. N. of W. 59th St.
 Mat/Type/# Span: Concrete/Slab/4 spans

Bridge Inspection Year:

Team Sect. - Sub-Sect: _____

Appraisals

Comments (All comments must be dated.)

Deck

58 - Deck Condition:	<u>N</u> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Wearing Surface	<u>N</u>	
Parapets / Bridge Railings:	<u>3</u>	<u>Rusting railings</u>
Curbs:	<u>N</u>	
Median:	<u>N</u>	
Sidewalks:	<u>N</u>	
Drain System:	<u>N</u>	
Light Standards:	<u>4</u>	<u>All lights work (10 out of 10)</u>
Expansion Joints:	<u>N</u>	Openings (In.): _____

Superstructure

59 - Superstructure Cond:	<u>7</u> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<u>Minor cracking + small impact damage on N. edge</u>
Bearing Devices:	<u>N</u>	
<u>Slab</u> Girders / Beams / Stringers:	<u>4</u>	
Diaphragms / Braces:	<u>N</u>	
Trusses / Portals / Bracing:	<u>N</u>	
Rivets / Bolts:	<u>N</u>	
Paint:	<u>N</u>	

Substructure

60 - Substructure Cond:	<u>7</u> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<u>Minor cracking and spalling on piers, map cracking</u>	
<u>Stem</u> / Columns / Piles:	<u>4</u>	<u>Minor cracks + spalls</u>	
Abutments	Caps:	<u>N</u>	
	Bearing Seats:	<u>N</u>	
	Backwalls:	<u>N</u>	
	Wingwalls:	<u>4</u>	<u>Minor cracking on caps</u>
Piers	<u>Stem</u> / <u>Columns</u> / Piles:	<u>4</u>	<u>Minor cracks + spalls + popouts; pack rusting angles</u>
	Caps:	<u>4</u>	<u>Small impact damage + cracking + popouts on caps</u>
	Bearing Seats:	<u>N</u>	<u>horizontal cracking on columns</u>
	Crash Walls:	<u>N</u>	
Fender Systems:	<u>N</u>		
Paint:	<u>4</u>	<u>Flaking paint</u>	

Bridge Inspection Report

Structure Number: _____

Additional Inspection Data

36A – Bridge Railing Adequacy:		Rail Types:			
Approach Guardrail Adequacy:	36B – Transitions:	36C – Guardrail:	36D – Ends:		
108A – Wearing Surface Type:	108B – Type of Membrane:	108C – Deck Protection:			
108D – Total Deck Thickness (In.):					
59A – Paint Date (Mo/Yr):					
59B – Paint Systems:	- - -	Color: Fascia – ___; Inter. – ___; Railing – ___.			
59C – Utilities Attached:	- -				

Weight Limit Posting

70A2 – Single Unit Vehicles:	<input checked="" type="checkbox"/> T.	Combinations:	70B2 – 3 or 4 Axle:	<input checked="" type="checkbox"/> T.	70C2 – 5 or More Axle:	<input type="checkbox"/> T.
70D2 – One Truck at a Time:	<input type="checkbox"/>					

Inspection Resource Needs	Time to Inspect (H:M):		:	Traffic Control:		
	Equipment:	Boat-	Waders-		Snooper-	Manlift-
		Ladder-	Short	Medium	Tall	Other-

93C – Special Inspection Date: / / / / / / / / / /

Signature Block

	Signature	Date	Unit Supervisor Initials - Date
Inspection Team Leader			

Additional Comments:

No vertical clearance warning signs

Inspection Team: Josh Mitchell and Tom Condreva (Patrick Engineering)



Structure Number: _____

Maintenance County: Cook County

90 - Insp. Date 90A - Insp. Team Leader/Qualification

08/18/15	/
/ /	/
/ /	/
/ /	/
/ /	/

Temp.

75°

Township: _____

Municipality: Chicago

Fac Carried: NS Englewood Connector

Feat Crossed: Peoria St.

Location: Over Peoria St. N of W 59th St.

Mat/Type/# Span: Concrete/Slab/4 spans

Bridge Inspection Year:

Team Sect. - Sub-Sect: _____

Appraisals

Comments (All comments must be dated.)

Deck

58 - Deck Condition:	N					
Wearing Surface	N					
Parapets / Bridge Railings:	3					<u>Rusting</u>
Curbs:	N					
Median:	N					
Sidewalks:	N					
Drain System:	N					
Light Standards:	3					<u>4 out of 10 lights working</u>
Expansion Joints:	N					<u>Openings (In.):</u>

Superstructure

59 - Superstructure Cond:	6						<u>spalling underneath fascia beam + above lights</u>
Bearing Devices:	N						
<u>Slab</u> Girders / Beams / Stringers:	N						
Diaphragms / Braces:	N						
Trusses / Portals / Bracing:	N						
Rivets / Bolts:	N						
Paint:	N						

Substructure

60 - Substructure Cond:	6						<u>spalling + cracking on column, patch rusting on angle</u>
<u>Stem</u> / Columns / Piles:	4						<u>minor cracking and spalling</u>
Abutments Caps:	N						
Bearing Seats:	N						
Backwalls:	N						
Wingwalls:	4						<u>minor cracking and spalling on caps</u>
Stem / <u>Columns</u> / Piles:	3						<u>cracks and spalling on columns</u>
Piers Caps:	3						<u>spalling due to impact damage</u>
Bearing Seats:	N						
Crash Walls:	N						
Fender Systems:	N						
Paint:	3						<u>flaking paint</u>

Bridge Inspection Report

Structure Number: _____

Additional Inspection Data

36A – Bridge Railing Adequacy:		Rail Types:
Approach Guardrail Adequacy:	36B – Transitions:	36C – Guardrail: 36D – Ends:

108A – Wearing Surface Type:	108B – Type of Membrane:	108C – Deck Protection:
108D – Total Deck Thickness (In.):		

59A – Paint Date (Mo/Yr):		
59B – Paint Systems:	- - -	Color: Fascia – ___; Inter. – ___; Railing – ___.

59C – Utilities Attached:		
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Weight Limit Posting

70A2 – Single Unit Vehicles:	T.	Combinations:	70B2 – 3 or 4 Axle:	T.	70C2 – 5 or More Axle:	T.
70D2 – One Truck at a Time:						

Inspection Resource Needs	Time to Inspect (H:M):		:	Traffic Control:	
	Equipment:	Boat–	Waders–	Snooper–	Manlift–
		Ladder–	Short Medium	Tall	Other–

93C – Special Inspection Date:	/ /	/ /	/ /	/ /	/ /
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Signature Block

	Signature	Date	Unit Supervisor Initials - Date
Inspection Team Leader			

Additional Comments:

Timber walls on south west side of structure. Starting to rot + timbers are starting to rot.

Concrete walls with brick masonry walls on top on south east side of structure.

No vertical clearance warning signs.

Inspection Team: Josh Mitchell and Tom Condreva (Patrick Engineering)

(Continue comments on page 4)



Structure Number: _____

Maintenance County: Cook County

90 - Insp. Date	90A - Insp. Team Leader/Qualification	Temp.
08/17/15	/	75°F
/ /	/	
/ /	/	
/ /	/	
/ /	/	

Township: _____
 Municipality: Chicago
 Fac Carried: NS Englewood Connector
 Feat Crossed: Green St.
 Location: Over Green St N. of W. 59th St.
 Mat/Type/# Span: Concrete/Slab/4 span

Bridge Inspection Year:

Team Sect. - Sub-Sect: _____

Appraisals

Comments (All comments must be dated.)

Deck

58 - Deck Condition:	<u>N</u> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Wearing Surface	<u>N</u>	
Parapets / Bridge Railings:	<u>4</u>	<u>Minor rusting</u>
Curbs:	<u>N</u>	
Median:	<u>N</u>	
Sidewalks:	<u>N</u>	
Drain System:	<u>N</u>	
Light Standards:	<u>3</u>	<u>4 out of 10 lights work</u>
Expansion Joints:	<u>N</u>	Openings (In.): _____

Superstructure

59 - Superstructure Cond:	<u>6</u> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<u>spalling underneath N. fascia beam; efflorescence</u>
Bearing Devices:	<u>N</u>	<u>S. Fascia beam has minor spalling above piers 2 + 3.</u>
SLAB Girders / Beams / Stringers:	<u>3</u>	<u>corners of slab spalling (NE., N.W., + S.W.)</u>
Diaphragms / Braces:	<u>N</u>	<u>Inside of fascia beam spalling</u>
Trusses / Portals / Bracing:	<u>N</u>	
Rivets / Bolts:	<u>N</u>	
Paint:	<u>N</u>	

Substructure

60 - Substructure Cond:	<u>6</u> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<u>spalling on edges of piers + columns; efflorescence</u>
Abutments Stem / Columns / Piles:	<u>4</u>	<u>minor cracking + spalling; map cracking at top; delamination</u>
Caps:	<u>N</u>	
Bearing Seats:	<u>N</u>	
Backwalls:	<u>N</u>	
Wingwalls:	<u>4</u>	<u>minor delamination; popout on cap</u>
Piers Stem (Columns) Piles:	<u>3</u>	<u>cracks + spalls on columns; pack rust on angles</u>
Caps:	<u>3</u>	<u>cracks + spalls on edges of caps; map cracking</u>
Bearing Seats:	<u>N</u>	<u>strump on Pier 1 column 2 is 100% corroded</u>
Crash Walls:	<u>N</u>	
Fender Systems:	<u>N</u>	
Paint:	<u>3</u>	<u>Flaking paint</u>

Bridge Inspection Report

Structure Number: _____

Additional Inspection Data

36A – Bridge Railing Adequacy:		Rail Types:			
Approach Guardrail Adequacy:	36B – Transitions:	36C – Guardrail:	36D – Ends:		

108A – Wearing Surface Type:		108B – Type of Membrane:		108C – Deck Protection:	
108D – Total Deck Thickness (In.):					

59A – Paint Date (Mo/Yr):		
59B – Paint Systems:	- - -	Color: Fascia – ___; Inter. – ___; Railing – ___.
59C – Utilities Attached:	- -	

Weight Limit Posting

70A2 – Single Unit Vehicles:	T.	Combinations:	70B2 – 3 or 4 Axle:	T.	70C2 – 5 or More Axle:	T.
70D2 – One Truck at a Time:						

Inspection Resource Needs	Time to Inspect (H:M):	:	Traffic Control:		
	Equipment:	Boat–	Waders–	Snooper–	Manlift–
		Ladder–	Short	Medium	Tall

93C – Special Inspection Date: / / / / / / / / / / / / / /

Signature Block

	Signature	Date	Unit Supervisor Initials - Date
Inspection Team Leader			

Additional Comments:

Walls running east and west on the south side of the structure, in good condition.

Inspection Team: Josh Mitchell and Tom Condreva (Patrick Engineering)



Structure Number: _____

Maintenance County: Cook County

90 - Insp. Date 90A - Insp. Team Leader/Qualification

Temp.

08 / 17 / 15	/
/ /	/
/ /	/
/ /	/
/ /	/

75°F

Township: _____

Municipality: Chicago

Fac Carried: NS Engineered Connector

Feat Crossed: Halsted St.

Location: Over Halsted St. N. of W. 54th St.

Mat/Type/# Span: steel / thru girder / 1 span

Bridge Inspection Year:

Team Sect. - Sub-Sect: _____

Appraisals

Comments (All comments must be dated.)

Deck

58 - Deck Condition:	4					Numerous holes in decking system, fill falling through decking system and pitting along both edges.
Wearing Surface	N					
Parapets / Bridge Railings:	N					
Curbs:	N					
Median:	N					
Sidewalks:	N					
Drain System:	N					
Light Standards:	2					Both lights not working (0 out of 2)
Expansion Joints:	N					Openings (In.): _____

Superstructure

59 - Superstructure Cond:	5					moderate corrosion at btm. flange @ midspan
Bearing Devices:	3					impact damage on stiffeners and btm flange on both sides
Girders / Beams / Stringers:	3					paint loss occurs 2' to 3' up girder to btm flange
Diaphragms / Braces:	N					All intermediate stiffeners have pack rust
Trusses / Portals / Bracing:	N					
Rivets / Bolts:	4					Rivets have minor surface rust
Paint:	N					

Substructure

60 - Substructure Cond:	5					West abutment has about 25% of surface area spalled
Abutments	Stem / Columns / Piles:	3				spalling near wingwalls + under cap > 5" deep
	Caps:	3				minor cracking
	Bearing Seats:	4				concrete spalls below bearing on east abutment
	Backwalls:	4				minor cracking, spall on west abutment backwall
	Wingwalls:	3				concrete spalls on wingwall caps
Piers	Stem / Columns / Piles:	N				honeycombing + papercast on west abutment.
	Caps:	N				
	Bearing Seats:	N				
	Crash Walls:	N				
Fender Systems:	N					
Paint:	N					

Bridge Inspection Report

Structure Number: _____

Additional Inspection Data

36A – Bridge Railing Adequacy: Rail Types: _____
 Approach Guardrail Adequacy: 36B – Transitions: 36C – Guardrail: 36D – Ends:

108A – Wearing Surface Type: 108B – Type of Membrane: 108C – Deck Protection:
 108D – Total Deck Thickness (In.):

59A – Paint Date (Mo/Yr): _____
 59B – Paint Systems: - - Color: Fascia – ; Inter. – ; Railing –

59C – Utilities Attached: -

Weight Limit Posting

70A2 – Single Unit Vehicles: T. Combinations: 70B2 – 3 or 4 Axle: T. 70C2 – 5 or More Axle: T.
 70D2 – One Truck at a Time:

Inspection Resource Needs	Time to Inspect (H:M):	:	Traffic Control:		
	Equipment:	Boat-	Waders-	Snooper-	Manlift-
		Ladder-	Short	Medium	Tall
					Other-

93C – Special Inspection Date: / / / / / / / / / / / /

Signature Block

	Signature	Date	Unit Supervisor Initials - Date
Inspection Team Leader	JOSH MITCHELL - PATRICK ENGINEERING	8/17/15	
	TOM CONDREA - PATRICK ENGINEERING	8/17/15	

Additional Comments:

Border 1 Bottom Flange: Measured = 0.54" Original = 5/8"
 Border 1 Web Plate: Measured = 0.18"

(Continue comments on page 4)



Illinois Department of Transportation

Bridge Inspection Report (MI)

Structure Number: _____

Maintenance County: Cook County

90 - Insp. Date	90A - Insp. Team Leader/Qualification
08/17/15	/
/ /	/
/ /	/
/ /	/
/ /	/

Temp.
75°F

Township: _____
 Municipality: Chicago
 Fac Carried: NS Eaglewood Connector
 Feat Crossed: Emerald Ave.
 Location: Over Emerald Ave. N of W 59th St
 Mat/Type/# Span: Steel/Thru Girders/1 span

Bridge Inspection Year:

Team Sect. - Sub-Sect: _____

Appraisals

Comments (All comments must be dated.)

Deck

58 - Deck Condition:	<u>4</u> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<u>Heavy corrosion w/ many broken welds</u>
Wearing Surface	<u>N</u>	
Parapets / Bridge Railings:	<u>N</u>	
Curbs:	<u>N</u>	
Median:	<u>N</u>	
Sidewalks:	<u>N</u>	
Drain System:	<u>N</u>	
Light Standards:	<u>3</u>	<u>1 of 4 lights operational</u>
Expansion Joints:	<u>N</u>	Openings (In.): _____

Superstructure

59 - Superstructure Cond:	<u>5</u> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<u>Moderate corrosion + pitting along Girders 2+3</u>
Bearing Devices:	<u>3</u>	<u>moderate corrosion of bearings</u>
Girders / Beams / Stringers:	<u>3</u>	<u>vegetation growing through web holes in girder 4</u>
Diaphragms / Braces:	<u>N</u>	<u>about 25% section loss in bot. flange</u>
Trusses / Portals / Bracing:	<u>N</u>	<u>bent knee brace on girder 3</u>
Rivets / Bolts:	<u>4</u>	<u>rivets are in good condition w/ minor surface rust</u>
Paint:	<u>N</u>	<u>All stiffeners below deck pan corroding</u>

Substructure

60 - Substructure Cond:	<u>5</u> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<u>Concrete spalling + cracking on abutments</u>
Stem / Columns / Piles:	<u>3</u>	<u>spall greater than 5" deep on W. abut</u>
Abutments		
Caps:	<u>4</u>	<u>concrete cracks + spalls</u>
Bearing Seats:	<u>4</u>	<u>bearings are set on caps</u>
Backwalls:	<u>4</u>	<u>minor cracking on backwall</u>
Wingwalls:	<u>3</u>	<u>honeycombing + 5/16" crack and spalls on NE wingwall</u>
Stem / Columns / Piles:	<u>N</u>	
Piers		
Caps:	<u>N</u>	
Bearing Seats:	<u>N</u>	
Crash Walls:	<u>N</u>	
Fender Systems:	<u>N</u>	
Paint:	<u>N</u>	

Bridge Inspection Report

Structure Number: _____

Additional Inspection Data

36A – Bridge Railing Adequacy: Rail Types: _____
 Approach Guardrail Adequacy: 36B – Transitions: 36C – Guardrail: 36D – Ends:

108A – Wearing Surface Type: 108B – Type of Membrane: 108C – Deck Protection:
 108D – Total Deck Thickness (In.):

59A – Paint Date (Mo/Yr): _____
 59B – Paint Systems: - - Color: Fascia – ___; Inter. – ___; Railing – ___.

59C – Utilities Attached: -

Weight Limit Posting

70A2 – Single Unit Vehicles: T. Combinations: 70B2 – 3 or 4 Axle: T. 70C2 – 5 or More Axle: T.
 70D2 – One Truck at a Time:

Inspection Resource Needs	Time to Inspect (H:M):	:	Traffic Control:			
	Equipment:	Boat-	Waders-	Snooper-		Manlift-
		Ladder-	Short	Medium	Tall	Other-

93C – Special Inspection Date: / / / / / / / / / /

Signature Block

	Signature	Date	Unit Supervisor Initials - Date
Inspection Team	JOSH MITCHELL - PATRICK ENGINEERING	8/17/15	
	TOM CONDREA - PATRICK ENGINEERING	8/17/15	

Additional Comments:

Girder 3 bottom plate: measurement = 0.25" original 5/8"
 Girder 3 web plate: measurement = 0.2"



Illinois Department of Transportation

Bridge Inspection Report (MI)

Structure Number: _____

Maintenance County: Cook County

90 - Insp. Date	90A - Insp. Team Leader/Qualification	Temp.
08/17/15	/	75°F
/ /	/	
/ /	/	
/ /	/	
/ /	/	

Township: _____
 Municipality: Chicago
 Fac Carried: NS Englewood Connector
 Feat Crossed: Union Ave.
 Location: Over Union Ave. N of W 59th St.
 Mat/Type/# Span: SKU / thru girder / 1 span

Bridge Inspection Year:

Team Sect. - Sub-Sect: _____

Appraisals

Comments (All comments must be dated.)

Deck

58 - Deck Condition:	5					<u>heavy corrosion at connection to north girder</u>
Wearing Surface	N					
Parapets / Bridge Railings:	N					
Curbs:	N					
Median:	N					
Sidewalks:	N					
Drain System:	N					
Light Standards:	4					<u>good condition, all 4 lights work</u>
Expansion Joints:	N					Openings (ln.): _____

Superstructure

59 - Superstructure Cond:	5					<u>moderate corrosion & section loss at midspan at botm. flange</u>
Bearing Devices:	3					<u>moderate corrosion at bearings</u>
Girders / Beams / Stringers:	3					<u>moderate to heavy corrosion on botm. flange</u>
Diaphragms / Braces:	N					
Trusses / Portals / Bracing:	N					
Rivets / Bolts:	4					<u>rivets in good condition, minor surface rust.</u>
Paint:	N					

Substructure

60 - Substructure Cond:	6					
Abutments	Stem / Columns / Piles:	3				<u>scaling and moderate spalls</u>
	Caps:	5				<u>minor cracks</u>
	Bearing Seats:	N				<u>Bearings are set on the caps</u>
	Backwalls:	4				<u>minor cracks & honeycombing</u>
Piers	Wingwalls:	3				<u>cracking and spalling w/ severe spalling on S. E. cap.</u>
	Stem / Columns / Piles:	N				
	Caps:	N				
	Bearing Seats:	N				
	Crash Walls:	N				
Fender Systems:	N					
Paint:	N					

Bridge Inspection Report

Structure Number: _____

Additional Inspection Data

36A – Bridge Railing Adequacy: Rail Types: _____
 Approach Guardrail Adequacy: 36B – Transitions: 36C – Guardrail: 36D – Ends:

108A – Wearing Surface Type: 108B – Type of Membrane: 108C – Deck Protection:
 108D – Total Deck Thickness (In.):

59A – Paint Date (Mo/Yr):
 59B – Paint Systems: - - Color: Fascia – ; Inter. – ; Railing –
 59C – Utilities Attached: -

Weight Limit Posting

70A2 – Single Unit Vehicles: T. Combinations: 70B2 – 3 or 4 Axle: T. 70C2 – 5 or More Axle: T.
 70D2 – One Truck at a Time:

Inspection Resource Needs	Time to Inspect (H:M): _____ : _____		Traffic Control: _____	
	Equipment:	Boat– Ladder–	Waders– Short Medium	Snooper– Tall

93C – Special Inspection Date: / / / / / / / / / /

Signature Block

	Signature	Date	Unit Supervisor Initials - Date
Inspection Team	JOSH MITCHELL - PATRIK ENGINEERING	8/17/15	
	TOM CONDEVA - PATRIK ENGINEERING	8/17/15	

Additional Comments:

Bottom flange of girder 2 measurement = 0.43 original = 5/8"

(Continue comments on page 4)



Illinois Department of Transportation

Bridge Inspection Report (MI)

Structure Number: _____

Maintenance County: Cook County

90 - Insp. Date 90A - Insp. Team Leader/Qualification

08/17/15	/
/ /	/
/ /	/
/ /	/
/ /	/

Temp. 75°F

Township: _____
Municipality: Chicago
Fac Carried: NS Englewood Connector
Feat Crossed: Low Ave.
Location: Over Low Ave. N of W 59th St.
Mat/Type# Span: Steel / thru girders / 1 span

Bridge Inspection Year:

Team Sect. - Sub-Sect: _____

Appraisals

Comments (All comments must be dated.)

Deck

58 - Deck Condition:	<u>6</u> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<u>minor surface rust, connection in good condition</u>
Wearing Surface	<u>N</u>	<u>CONNECTIONS TO GIRDERS IN POOR CONDITION WATER</u>
Parapets / Bridge Railings:	<u>N</u>	<u>SEEPING THROUGH ON MIDDLE 1/3 OF S. GIRDER</u>
Curbs:	<u>N</u>	
Median:	<u>N</u>	
Sidewalks:	<u>N</u>	
Drain System:	<u>N</u>	
Light Standards:	<u>2</u>	<u>NO LIGHTS WORKING, LIGHTS ATTACHED TO ABUTS.</u>
Expansion Joints:	<u>N</u>	Openings (In.): _____

Superstructure

59 - Superstructure Cond:	<u>5</u> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Bearing Devices:	<u>3</u>	<u>MINOR SURFACE RUST</u>
Girders / Beams / Stringers:	<u>3</u>	<u>Fair condition, some moderate corrosion in btm flange. ON MID 1/3</u>
Diaphragms / Braces:	<u>N</u>	<u>Impact damage, Section Loss ON GIRDER WEBS AT BALLAST</u>
Trusses / Portals / Bracing:	<u>N</u>	<u>TOP FLANGE MINOR POTTING LINE</u>
Rivets / Bolts:	<u>4</u>	<u>MISSING RIVETS ON ALL STIFFENERS</u>
Paint:	<u>N</u>	

Substructure

60 - Substructure Cond:	<u>5</u> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Stem / Columns / Piles:	<u>2</u>	<u>west abut. one moderate crack southside in good cond.</u>
Caps:	<u>4</u>	<u>east abut severe spalls along cap</u>
Bearing Seats:	<u>N</u>	
Backwalls:	<u>3</u>	<u>moderate cracking vertically on backwall, good cond.</u>
Wingwalls:	<u>4</u>	<u>good condition</u>
Stem / Columns / Piles:	<u>N</u>	
Caps:	<u>N</u>	
Bearing Seats:	<u>N</u>	
Crash Walls:	<u>N</u>	
Fender Systems:	<u>N</u>	
Paint:	<u>3</u>	<u>Fading paint</u>

Bridge Inspection Report

OVER

Structure Number: LOWE AVE

Additional Inspection Data

36A – Bridge Railing Adequacy: Rail Types: _____

Approach Guardrail Adequacy: 36B – Transitions: 36C – Guardrail: 36D – Ends:

108A – Wearing Surface Type: 108B – Type of Membrane: 108C – Deck Protection:

108D – Total Deck Thickness (In.):

59A – Paint Date (Mo/Yr):

59B – Paint Systems: - - Color: Fascia – ___; Inter. – ___; Railing – ___.

59C – Utilities Attached: -

Weight Limit Posting

70A2 – Single Unit Vehicles: T. Combinations: 70B2 – 3 or 4 Axle: T. 70C2 – 5 or More Axle: T.

70D2 – One Truck at a Time:

Inspection Resource Needs	Time to Inspect (H:M): _____ : _____		Traffic Control: _____		
	Equipment:	Boat–	Waders–	Snooper–	Manlift–
		Ladder–	Short	Medium	Tall

93C – Special Inspection Date: / / / / / / / / / / / /

Signature Block

	Signature	Date	Unit Supervisor Initials - Date
Inspection Team Leader			

Additional Comments:

THERE IS A MOUNTED ELECTRICAL BOX ON THE WEST ABUTMENT THAT FEEDS LIGHTS ON BOTH ABUTMENTS.

INSPECTION TEAM

JOSH MITCHELL - PATRICK ENGINEERING

TOM CONDREA - PATRICK ENGINEERING

(Continue comments on page 4)