



CERTIFICATE OF APPROPRIATENESS PLACARD

for Raleigh Historic Resources

VARIOUS

Address

Historic District

Historic Property

132-14-MW

Certificate Number

9/8/2014

Date of Issue

3/8/2015

Expiration Date

Project Description:

- Installation of pedestrian heads at 10 intersections and curb ramp construction at 1 intersection in Prince Hall, Capitol Square, Oakwood, and Blount Street HODs.

Bloodworth/Cabarrus

Bloodworth/Edenton

Bloodworth/New Bern

Blount/Peace

Person/Cabarrus

Edenton/East

New Bern/East

Person/Lane

Hillsborough/Salisbury

Person/Jones

This card must be kept pasted in a location within public view until all phases of the described project are complete. The work must conform with the code of the City of Raleigh and laws of the state of North Carolina. When your project is complete, you are required to ask for a final zoning inspection in a historic district area. Telephone the RHDC office at 832-7238 and commission staff will coordinate the inspection with the Inspections Department. If you do not call for this final inspection, your Certificate of Appropriateness is null and void.

Signature, _____

Raleigh Historic Development Commission

Pending the resolution of appeals, commencement of work is at your own risk.



Planning & Development

Development Services
 Customer Service Center
 One Exchange Plaza
 1 Exchange Plaza, Suite 400
 Raleigh, North Carolina 27601
 Phone 919-996-2495
 eFax 919-996-1831

Raleigh Historic Development Commission – Certificate of Appropriateness (COA) Application



- Minor Work (staff review) – 1 copy
- Major Work (COA Committee review) – 13 copies
 - Most Major Work Applications
 - Additions Greater than 25% of Building Square Footage
 - New Buildings
 - Demo of Contributing Historic Resource
 - Post Approval Re-review of Conditions of Approval

For Office Use Only
 Transaction # 403110
 File # 132-14-MW
 Fee Ø COR
 Amt Paid Ø
 Check # _____
 Rec'd Date 7/8/14
 Rec'd By [Signature]

App Complete

• If completing by hand, please use **BLACK INK**. Do not use blue, red, any other color, or pencil as these do not photocopy.

9/12/14

Property Street Address: Pedestrian improvements are proposed within the existing NCDOT right-of-way at the following intersections:

- Bloodworth at Cabarrus within Prince Hall HD
- Bloodworth at Edenton within the Oakwood HD
- Bloodworth at New Bern within Oakwood HD
- Blount at Peace within Blount Street HD
- Person at Cabarrus within Prince Hall HD
- Edenton at East within Oakwood HD
- New Bern at East within Oakwood HD
- Person at Lane within Blount Street HD & Oakwood HD **intersection at NE corner of Governor's Mansion
- Hillsborough at Salisbury within Capital Square HD
- Person at Jones within Blount Street HD & Oakwood HD **intersection at SE corner of Governor's Mansion

Historic District: Oakwood, Capital Square, Blount Street, Prince Hall

Historic Property/Landmark name (if applicable): None within proposed project area. Two intersections within proximity to Governor's Mansion (as noted above).

Owner's Name: NCDOT

Lot size _____ (width in feet) _____ (depth in feet)

For applications that require review by the COA Committee (Major Work), provide addressed, stamped envelopes to owners of all properties within 100 feet (i.e. both sides, in front (across the street), and behind the property) not including the width of public streets or alleys:

Property Address	Property Address

I understand that all applications that require review by the commission's Certificate of Appropriateness Committee must be submitted by 4:00 p.m. on the application deadline; otherwise, consideration will be delayed until the following committee meeting. An incomplete application will not be accepted.

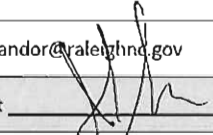
Type or print the following:

Applicant: John Sandor, City of Raleigh Transportation Department

Mailing Address: Raleigh Municipal Building, 222 W. Hargett Street

City: Raleigh	State: NC	Zip Code: 27601
Date: 7/1/2014	Daytime Phone: (919) 996-4088	

Email Address: John.Sandor@raleighnc.gov

Signature of Applicant 

Minor Work Approval (office use only)

Upon being signed and dated below by the Planning Director or designee, this application becomes the Minor Work Certificate of Appropriateness. It is valid until 3/8/15. Please post the enclosed placard form of the certificate as indicated at the bottom of the card. Issuance of a Minor Work Certificate shall not relieve the applicant, contractor, tenant, or property owner from obtaining any other permit required by City Code or any law. Minor work projects not approved by staff will be forwarded to the Certificate of Appropriateness Committee for review at the next scheduled meeting.

Signature  _____ Date 9/8/14

Project Categories (check all that apply):

- Exterior Alteration
- Addition
- New Construction
- Demolition

Will you be applying for state or federal rehabilitation tax credits for this project?

- Yes
- No

(Office Use Only)

Type of Work _____

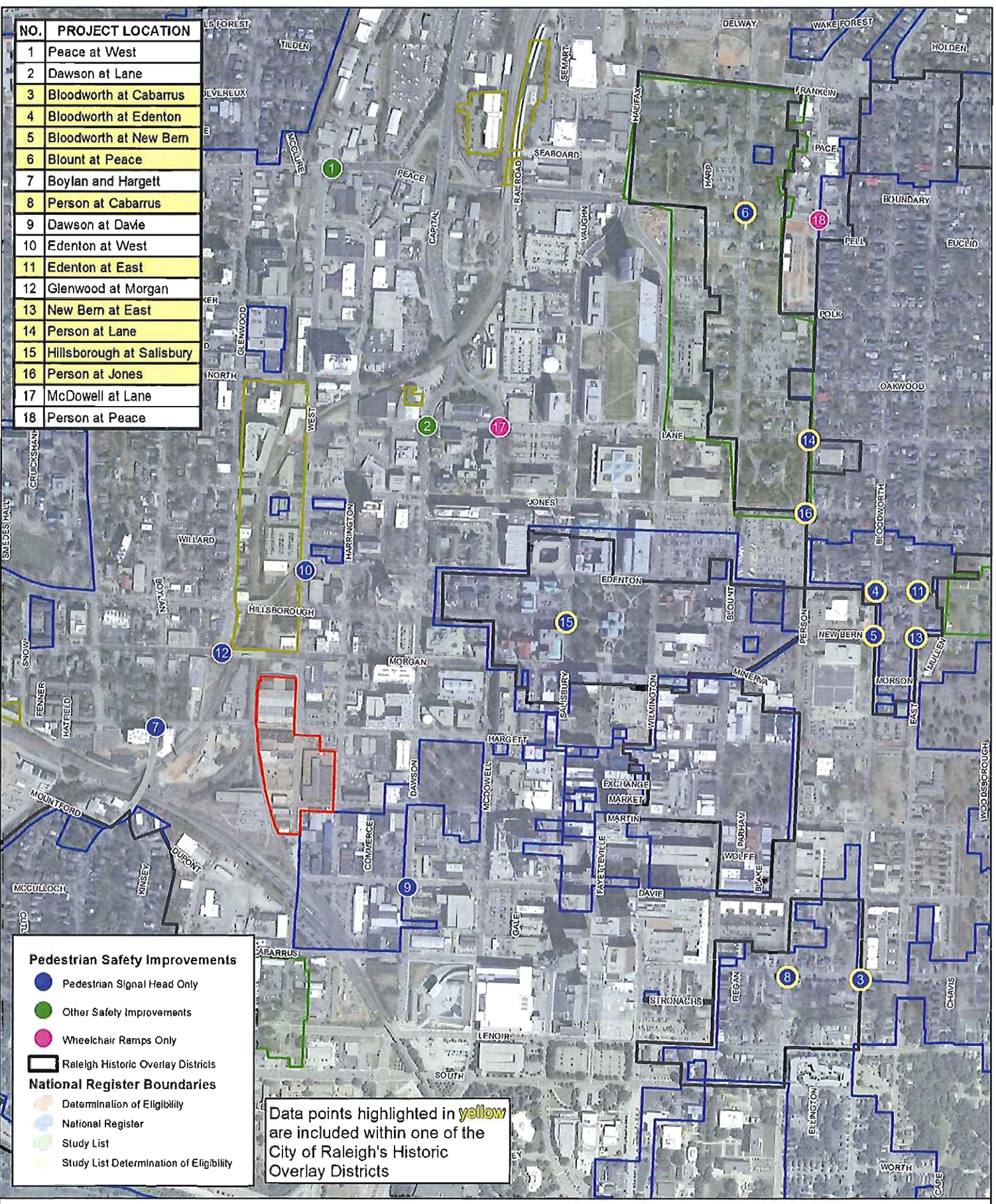
82,99

Design Guidelines Please cite the applicable sections of the design guidelines (www.rhdc.org).

Section/Page	Topic	Brief Description of Work
2.5/17	Walkways, Driveways, and Offstreet Parking: Guidelines	Installation of pedestrian heads at indicated intersections
2.1/8-9	Public Rights-of-Way and Alleys	Installation of pedestrian heads at indicated intersections; proposed curb ramp construction at Person/Jones intersection
3.11/48-49	Accessibility, Health, and Safety Considerations	Installation of pedestrian heads at indicated intersections proposed curb ramp construction at Person/Jones intersection

	TO BE COMPLETED BY APPLICANT		TO BE COMPLETED BY CITY STAFF		
	YES	N/A	YES	NO	N/A
<p>Attach 8-1/2 " x 11" sheets with written descriptions and drawings, photographs, and other graphic information necessary to completely describe the project. Use the checklist below to be sure your application is complete.</p> <p>Minor Work (staff review) – 1 copy</p> <p>Major Work (COA Committee review) – 13 copies</p>					
<p>1. Written description. Describe clearly and in detail the nature of your project. Include exact dimensions for materials to be used (e.g. width of siding, window trim, etc.)</p> <p>See table included in attached project scoping letter.</p>	<input checked="" type="checkbox"/>				
<p>2. Description of materials (Provide samples, if appropriate)</p> <p>See images included in attached project scoping letter.</p>	<input checked="" type="checkbox"/>				
<p>3. Photographs of existing conditions are required.</p> <p>Photographs attached. For additional views, see GoogleMaps street view at: http://tinyurl.com/Raleigh-DPSI-Project</p>	<input checked="" type="checkbox"/>				
<p>4. Paint Schedule (if applicable)</p>		<input checked="" type="checkbox"/>			
<p>5. Plot plan (if applicable). A plot plan showing relationship of buildings, additions, sidewalks, drives, trees, property lines, etc., must be provided if your project includes any addition, demolition, fences/walls, or other landscape work. Show accurate measurements. You may also use a copy of the survey you received when you bought your property. Revise the copy as needed to show existing conditions and your proposed work.</p>		<input checked="" type="checkbox"/>			
<p>6. Drawings showing proposed work</p> <p>Site design plans attached.</p>	<input checked="" type="checkbox"/>				
<p>7. Stamped envelopes addressed to all property owners within 100 feet of property not counting the width of public streets and alleys. (Required for Major Work)</p>		<input checked="" type="checkbox"/>			
<p>8. Fee (See Development Fee Schedule)</p>		<input checked="" type="checkbox"/>			

NO.	PROJECT LOCATION
1	Peace at West
2	Dawson at Lane
3	Bloodworth at Cabarrus
4	Bloodworth at Edenton
5	Bloodworth at New Bern
6	Blount at Peace
7	Boylan and Hargett
8	Person at Cabarrus
9	Dawson at Davie
10	Edenton at West
11	Edenton at East
12	Glenwood at Morgan
13	New Bern at East
14	Person at Lane
15	Hillsborough at Salisbury
16	Person at Jones
17	McDowell at Lane
18	Person at Peace



Pedestrian Safety Improvements

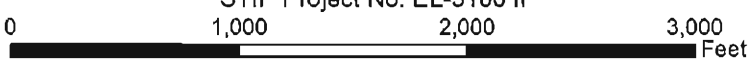
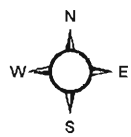
- Pedestrian Signal Head Only
- Other Safety Improvements
- Wheelchair Ramps Only

Raleigh Historic Overlay Districts

National Register Boundaries

- Determination of Eligibility
- National Register
- Study List
- Study List Determination of Eligibility

Data points highlighted in yellow are included within one of the City of Raleigh's Historic Overlay Districts



Project Location
 Downtown Raleigh Pedestrian Safety Improvements
 STIP Project No. EL-5100 IF



Description of Proposed Pedestrian Signal Head and Curb Ramp Improvements

** Numbers in parenthesis below correspond to numbering on the attached Project Location Map*

Pedestrian Signal Heads ** No pedestals are needed at any location, as existing poles can be utilized.*

Bloodworth Street/Cabarrus Street (No. 3)

- Pedestrian heads needed for eastern and western legs of intersection, but the east leg of intersection is not in HOD, so *only two heads are applicable to this COA.*

Bloodworth Street/Edenton Street (No. 4)

- Pedestrian heads needed for all approaches (four new heads).

Bloodworth Street/New Bern Avenue (No. 5)

- Pedestrian heads for eastbound crossing of Bloodworth Street (two new heads).

Blount Street/Peace Street (No. 6)

- Pedestrian heads needed for all approaches (eight new heads).

Person Street/Cabarrus Street (No. 8)

- Pedestrian heads needed for crossing eastern and western legs of intersection (four new heads).

Edenton Street/East Street (No. 11)

- Pedestrian heads needed for crossing both legs of Edenton Street and westbound crossing of East Street (six new heads).

New Bern Avenue/ East Street (No. 13)

- Pedestrian heads needed for all approaches, but southeast corner is not in HOD so *only six heads are applicable to this COA.*

Person Street/ Lane Street (No. 14)

- Pedestrian heads needed for crossing both legs of Lane Street, but southeast corner is not in HOD, so *only three heads are applicable to this COA.*

Hillsborough Street/Salisbury Street (No. 15)

- Pedestrian heads needed for crossing southern leg of Salisbury Street (two new heads).
 - These new heads will be painted black to match existing signal/pedestrian heads.

Description of Proposed Pedestrian Signal Head Improvements Within Historic Overlay Districts

** Numbers in parenthesis below correspond to numbering on the attached Project Location Map*

Curb Ramps

Person Street/Jones Street (No. 16)

- Curb ramps needed in northeast and southeast quadrants, but southeast corner is not in HOD, so *only one set of curb ramps is applicable to this COA.*

Bloodworth at Cabarrus

Bloodworth at Cabarrus



Bloodworth at Cabarrus



PHASING DIAGRAM

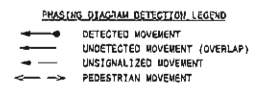
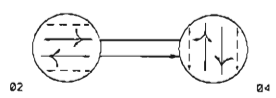
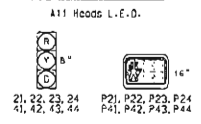


TABLE OF OPERATION

SIGNAL FACE	PHASE		
	B	Q	F
P1, 22, 23, 24	G	R	Y
41, 42, 43, 44	R	C	R
P21, P22, P23, P24	W	OW	DRK
P41, P42, P43, P44	DW	W	DRK

W - Walk
OW - Don't Walk
DRK - Dark

Signal Face I.D.



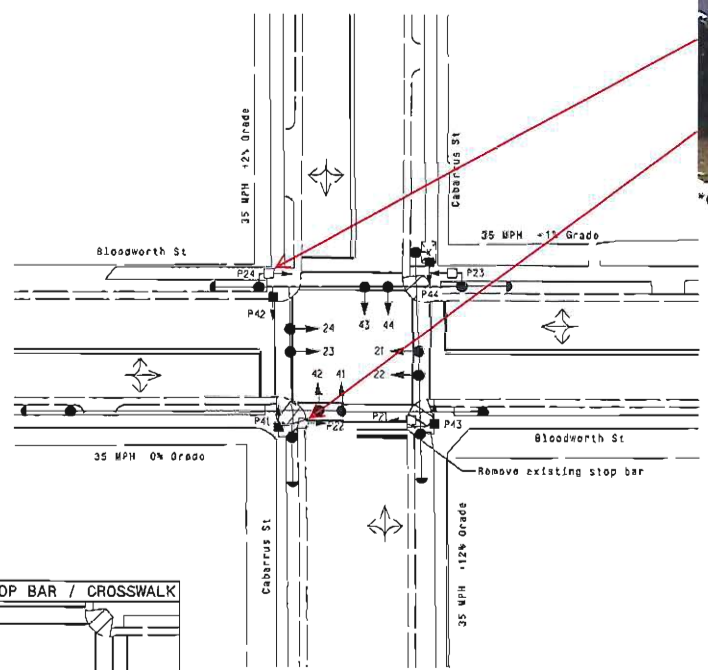
2-Phase Pre-Timed (Raleigh City Signal System)

NOTES

- Refer to "Roadway Standard Drawings WCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- Program controller for Non-Actuated Pedestrian Recall and Max Recall (See electrical detail).
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



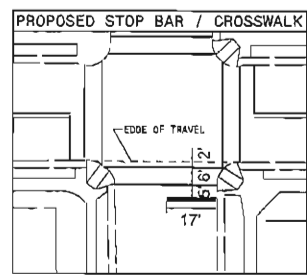
*On existing poles



SE-PAC 2070 TIMING CHART

FEATURE	PHASE	
	3	4
Min Green	10	7
Minimum Gap	-	-
Maximum Green	35	30
Yellow Change	3.8	3.7
Red Clear	1.1	1.1
Walk	5	5
Reduction Clear	8	7
Added Initial	-	-
Maximum Initial	-	-
Time Before Reduction	-	-
Time To Redout	-	-
Minimum Gap	-	-
Reset Mode	PED/MAX	RED/MAX
Vehicle Call Memory	N/A	N/A
Shut Entry	-	-
Shut/Release Gap	ON	ON

* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 4 lower than what is shown.
** See Note 4.



LEGEND

PROPOSED	EXISTING
Traffic Signal Head	N/A
Modified Signal Head Sign	N/A
Pedestrian Signal Head	N/A
Signal Pole with Guy	N/A
Signal Pole with Signetix Guy	N/A
Directional Drill	N/A
Type I Signal Pedestal	N/A
Type II Signal Pedestal	N/A
Wet Pole with Mastarm Inductive Loop Detector	N/A
Controller & Cabinet Junction Box	N/A
Diversized Junction Box	N/A
2-in Underground Conduit	N/A
Right of Way (from GIS)	N/A
Directional Arrow	N/A
Guardrail	N/A

Stantec
Stantec Consulting Services Inc.
801 James Franklin Road-Suite 300
Raleigh, NC 27606
Tel: (919) 851-8866
Fax: (919) 851-7024
www.stantec.com
License No. F-0672

SIGNAL UPGRADE
Proposed by
WAKE COUNTY
Public Works Department

BLOODWORTH STREET AT CABARRUS STREET
RALEIGH
DIVISION 5
PLANNING DATE: JUNE 2014
PREPARED BY: B. LATON
REVIEWED BY: B. WATSON
DESIGNED BY: []
CHECKED BY: []
DATE: []

SEAL
PRELIMINARY PLANS
SIG. LETTERING NO. D-139

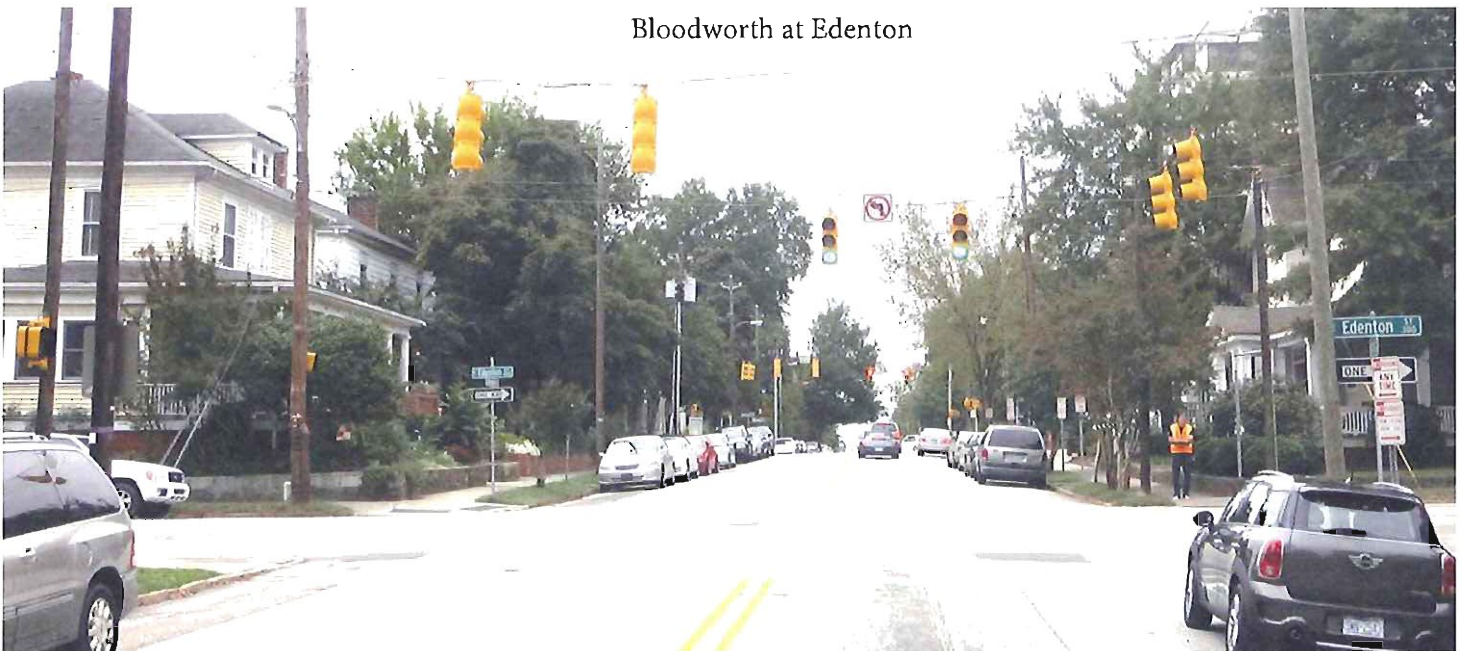
17442571.dwg (signal) 11/11/13 11:21:21 AM C:\118.dwg

Edenton Street at Bloodworth Street

Bloodworth at Edenton



Bloodworth at Edenton



New Bern Avenue at Bloodworth Street

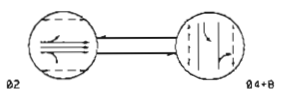
New Bern at Bloodworth



New Bern at Bloodworth



PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

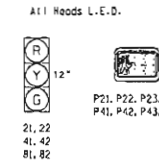
- ← DETECTED MOVEMENT
- ← UNDETECTED MOVEMENT (OVERLAP)
- ← UNIGNALIZED MOVEMENT
- ← PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	AND	PHASE			
		W	DN	W	DN
21, 22	G	Y	R	Y	R
41, 42	R	G	R	G	R
81, 82	R	G	R	G	R
P21, P22, P23, P24	W	DN	DRK	W	DRK
P41, P42, P43, P44	DN	W	DRK	DN	DRK

W - Walk
DN - Don't Walk
DRK - Dark

SIGNAL FACE I.D.

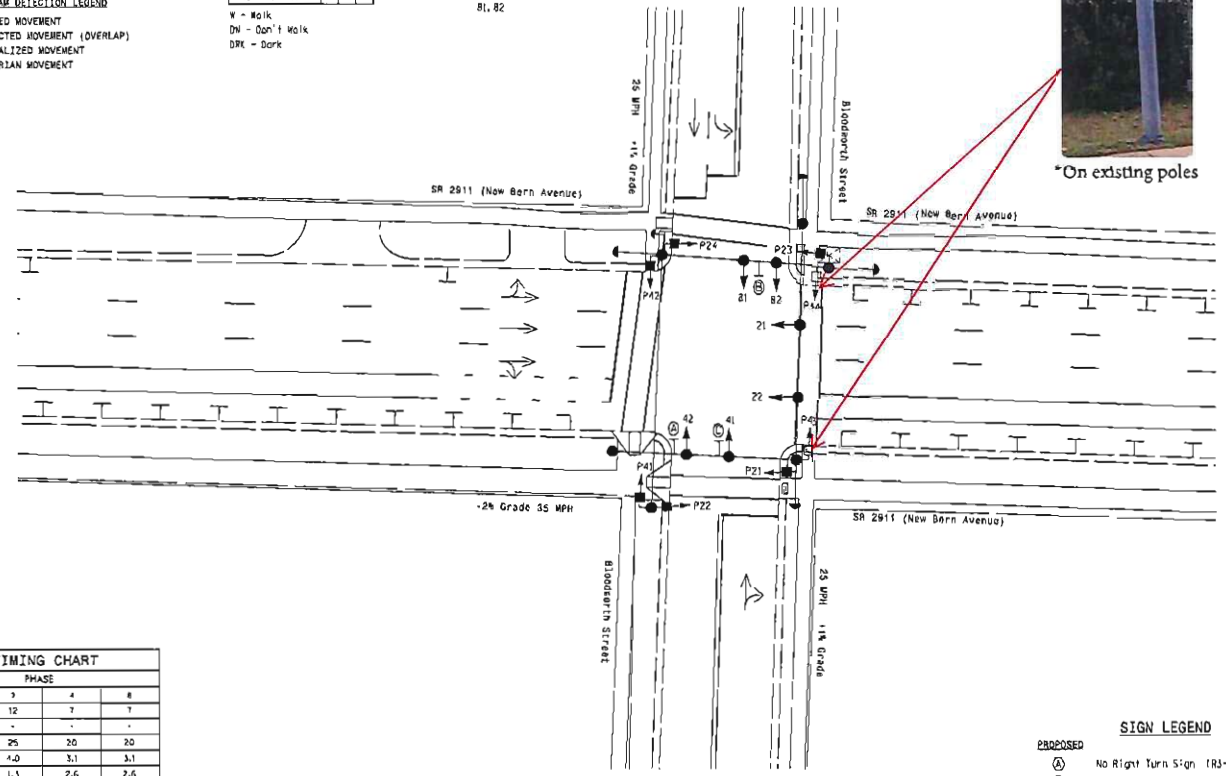


*On existing poles

2 Phase Pre-Timed (Raleigh City Signal System)

NOTES

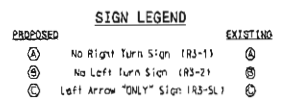
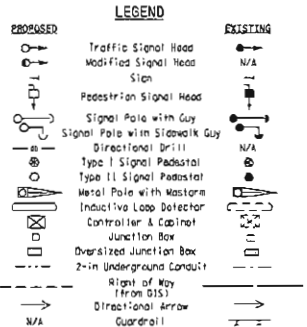
1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
4. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
5. Unbag and activate existing signal heads P41 and P42.
6. Program controller for Non-Actuated Pedestrian Recall and Max Recall (See electrical detail).



SE-PAC 2070 TIMING CHART

FEATURE	PHASE		
	3	4	8
Max Green *	12	7	7
Passage Gap *	-	-	-
Maximum Green *	25	20	20
Yellow Change	4.0	3.1	3.1
Red Clear	1.3	2.6	2.6
Walk *	4	4	4
Pedestrian Clear	8	13	13
Added Initial *	-	-	-
Maximum Initial *	-	-	-
Time Before Reduction *	-	-	-
Time To Redden *	-	-	-
Minimum Gap	UNBAG	UNBAG	UNBAG
Recall Mode	MAX RECALL	MAX RECALL	MAX RECALL
Vehicle Call Memory	N/A	N/A	N/A
Signal Entry	-	-	-
Simultaneous Gap	DN	DN	DN

* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 7 and 8 lower than what is shown. Max Green for all other phases shall not be lower than 4 seconds.



SIGNAL UPGRADE

Stantec

Stantec Consulting Services Inc.
801 Jones Franklin Road-Suite 300
Raleigh, NC 27606
Tel: (919) 851-5265
Fax: (919) 851-7224
www.stantec.com
License No. F-0672

SR 2911 (NEW BERN AVENUE) AT BLOODWORTH STREET

DIVISION 5 WAKE COUNTY RALEIGH
 DATE: JUNE 2014
 PREPARED BY: S. LATON
 REVIEWED BY: B. WATSON

REVISIONS:

NO.	DATE	DESCRIPTION

SCALE: 1" = 20'

PRELIMINARY PLANS

DATE: 05-10-65

SE-PAC 2070
 05/10/2014 10:50 AM
 05-105-001

Blount Street at Peace Street

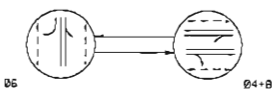
Blount at Peace



Blount at Peace



PHASING DIAGRAM

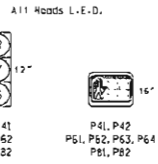


PHASING DIAGRAM DETECTION LEGEND

- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

SIGNAL FACE	PHASE			
	Ø	Ø	Ø	Ø
41, 42	R	C	R	
61, 62	Ø	R	Y	
B1, B2	R	C	R	
P41, P42	Ø	W	DRK	
P61, P62, P63, P64	Ø	W	DRK	
P81, P82	Ø	W	DRK	

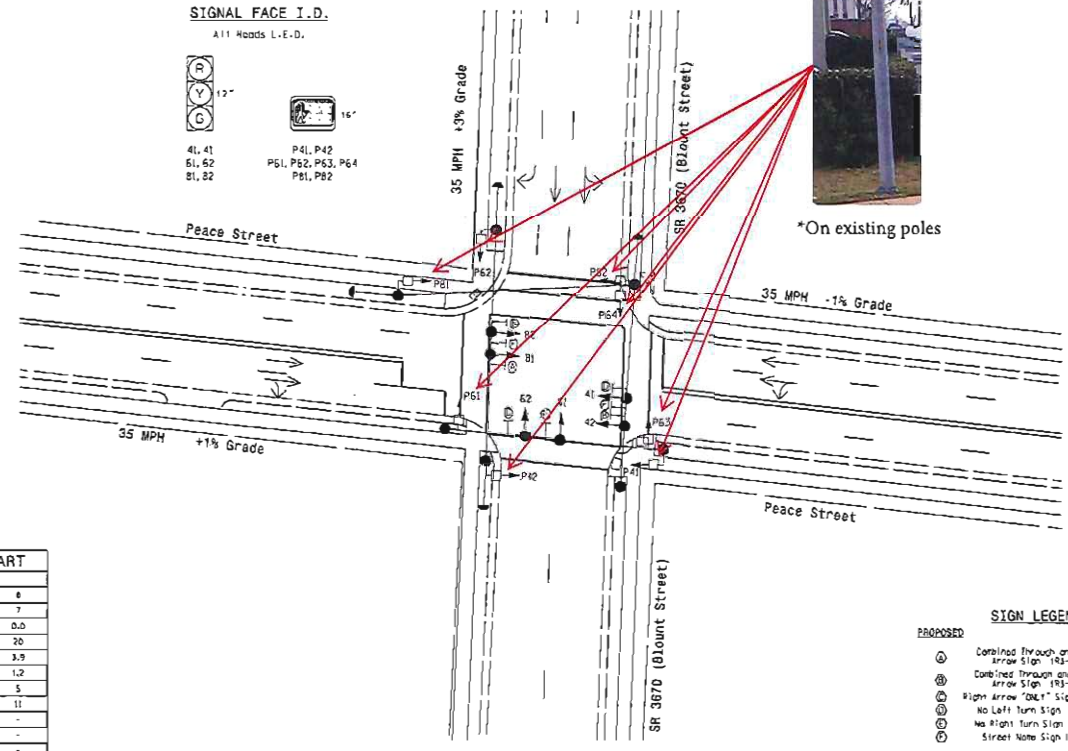
SIGNAL FACE I.D.



**2 Phase
Pre-Timed
(Raleigh City Signal System)**

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- Right of Way verified by field survey.



SE-PAC 2070 TIMING CHART

FEATURE	PHASE		
	4	8	8
Min Green *	7	10	7
Persec Gap *	0.0	0.0	0.0
Maximum Green *	20	25	20
Yellow Change	3.8	3.7	3.9
Red Clear	1.6	1.2	1.2
Walk *	5	5	5
Pedestrian Clear	8	8	11
Added Initial *	-	-	-
Maximum Initial *	-	-	-
Time Before Reductn *	-	-	-
Time To Reductn *	-	-	-
Minimum Gap	-	-	-
Recall Mode	MAX RECALL	MAX RECALL	MAX RECALL
Vehicle Call Memory	N/A	N/A	N/A
Dual Drive	-	-	-
Simultaneous Cmp	ON	ON	ON

* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 7 and 8 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

LEGEND

PROPOSED	EXISTING		
○	Traffic Signal Head	○	N/A
○	Modified Signal Head	○	N/A
○	Signal Pole with Guy	○	N/A
○	Signal Pole with Signpost Guy	○	N/A
○	Directional Drill	○	N/A
○	Type I Signal Pedestal	○	N/A
○	Type II Signal Pedestal	○	N/A
○	Metal Pole with Mastarm	○	N/A
○	Inductive Loop Detector	○	N/A
○	Controller & Cabinet	○	N/A
○	Junction Box	○	N/A
○	Oversized Junction Box	○	N/A
○	2-in Underground Conduit	○	N/A
○	Right of Way (from field survey)	○	N/A
○	Directional Arrow	○	N/A
○	Guardrail	○	N/A

SIGN LEGEND

PROPOSED	EXISTING	
○	Combined Through and Left Arrow Sign 193-50.1	○
○	Combined Through and Right Arrow Sign 193-68.1	○
○	Right Arrow "DON'T" Sign 193-59.1	○
○	No Left Turn Sign 193-23	○
○	No Right Turn Sign 193-13	○
○	Street Name Sign 103-11	○

SIGNAL UPGRADE

<p>Stantec</p> <p>Stantec Consulting Services Inc. 801 John F. Ryan Road-Suite 300 Raleigh, NC 27605 Tel: (919) 851-6885 Fax: (919) 851-7024 www.stantec.com License No. F-2072</p>	<p>PLANNED AND ENGINEERED BY</p>	<p>SR 3670 (BLOUNT STREET) AT PEACE STREET</p>		<p>RALEIGH</p> <p>DIVISION 5</p> <p>PLANNED BY: JUNE 2014</p> <p>DESIGNED BY: B. LATON</p> <p>REVIEWED BY:</p>
		<p>SCALE: 1" = 20'</p>		

Person at Cabarrus

Person at Cabarrus



Person at Cabarrus



PHASING DIAGRAM

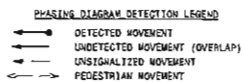
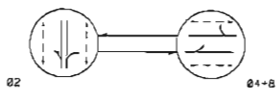
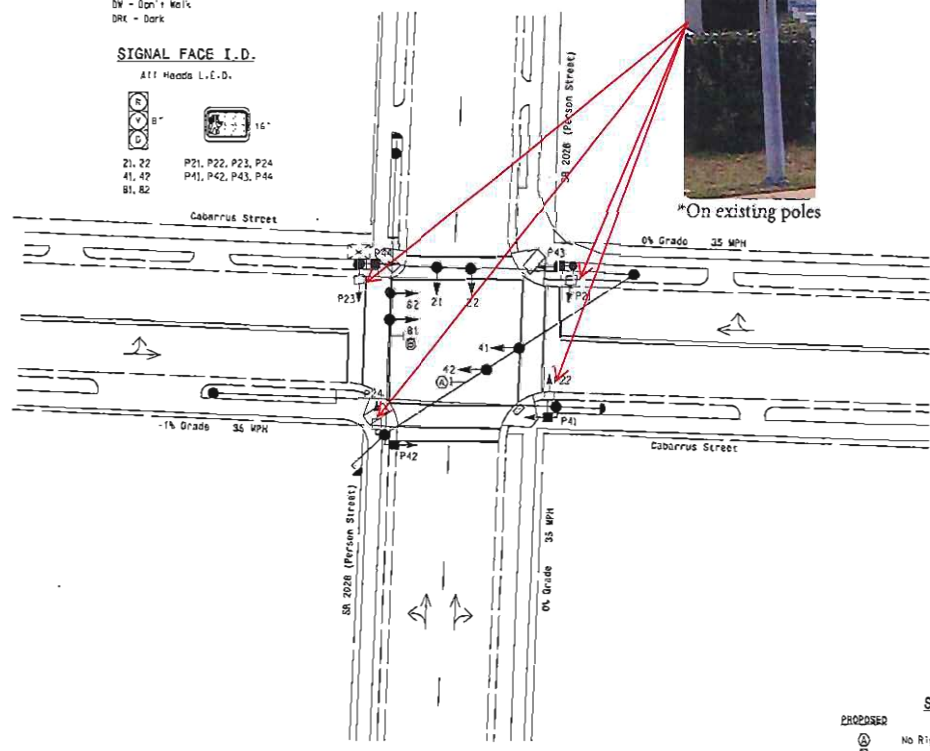
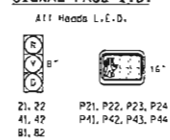


TABLE OF OPERATION

SIGNAL FACE	PHASE	
	NS	EW
21, 22	G R	Y
41, 42	R G	R
81, 82	R C	R
P21, P22, P23, P24	W	DNK
P41, P42, P43, P44	DN	W

W - Walk
 DN - Don't Walk
 DNK - Dark

SIGNAL FACE I.D.



2 Phase Pre-Timed (Raleigh City Signal System)

NOTES

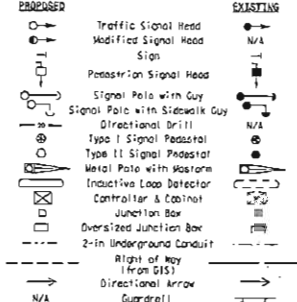
- Refer to "Roadway Standards Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- Program controller for Non-Actuated Pedestrian Recall and Max Recall (See electrical details).

SE-PAC 2070 TIMING CHART

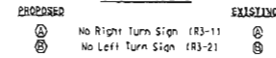
FEATURE	PHASE			
	2	4	7	8
Min Green *	10	7	7	7
Passage Gap *	-	-	-	-
Maximum Green *	25	20	20	20
Yellow Change	3.8	3.9	3.8	
Red Clear	1.2	1.2	1.2	
Walk *	4	4	4	
Pedestrian Clear	8	8	8	
Added Initial *	-	-	-	
Maximum Initial *	-	-	-	
Time Before Reduction *	-	-	-	
Time To Reduce *	-	-	-	
Minimum Gap	-	-	-	
Recall Mode	MAX RECALL	WALKED RECALL	WALKED RECALL	WALKED RECALL
Vehicle Call Memory	N/A	N/A	N/A	N/A
Dual Entry	-	-	-	
Simultaneous Gap	DN	DN	DN	DN

* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 7 and 8 lower than what is shown. Max Green for all other phases should not be lower than 4 seconds.

LEGEND



SIGNAL LEGEND



SIGNAL UPGRADE

 Stantec Consulting Services Inc. 501 Jones Franklin Road-Suite 300 Raleigh, NC 27606 Tel: (919) 851-6868 Fax: (919) 851-7024 www.stantec.com License No. P-0677	 WAKE COUNTY PUBLIC WORKS DEPARTMENT	SR 2026 (PERSON STREET) AT CABARRUS STREET		 PRELIMINARY PLANS SEAL
		DIVISION 5 PLAN SHEET: JUNE 2014 PREPARED BY: J. LATON REVIEWED BY: B. WATSON	WAKE COUNTY RALEIGH REVIEWED BY: B. WATSON	

Edenton Street at East Street

Edenton at East



Edenton at East



New Bern Avenue at East Street

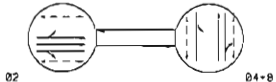
New Bern at East



New Bern at East



PHASING DIAGRAM



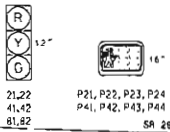
PHASING DIAGRAM DETECTION LEGEND

- ← ● → DETECTED MOVEMENT
- ← ○ → UNDETECTED MOVEMENT (OVERLAP)
- ← ○ → UNSIGNALIZED MOVEMENT
- ← ○ → PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	B	W	T
21,22,23	G	R	Y
41,42	R	G	R
B1,B2	R	C	R
P21, P22, P23, P24	W	DW	DRK
P41, P42, P43, P44	DW	W	DRK

W - Walk
 DW - Don't Walk
 DRK - Dark
SIGNAL FACE I.D.
 All Heads L-E-D.

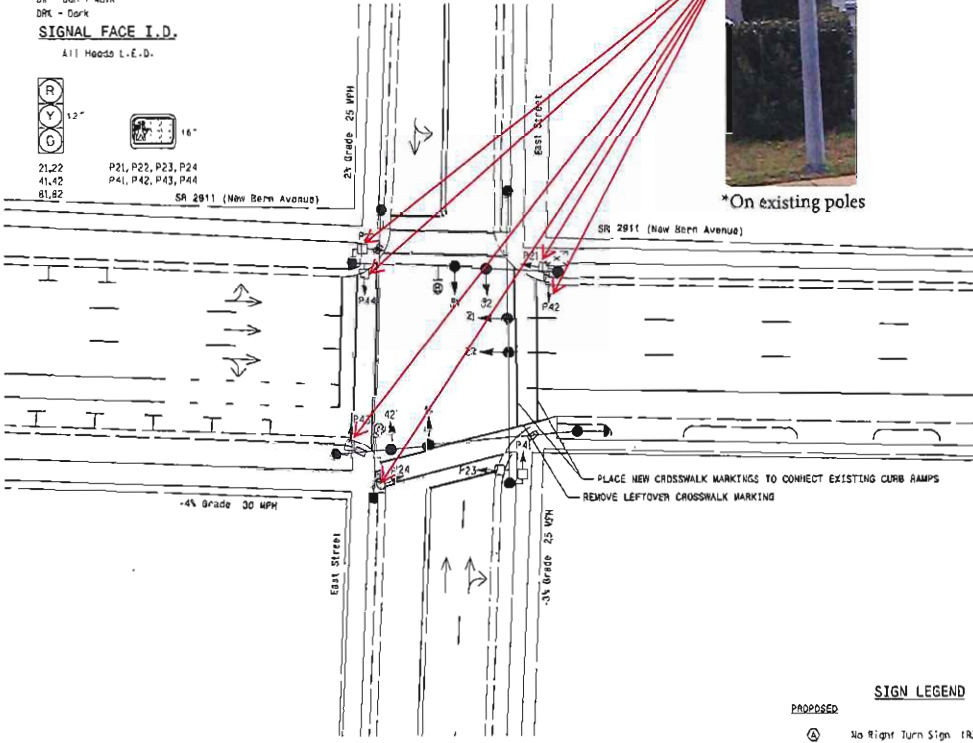


"On existing poles"

2 Phase Pre-Timed (Raleigh City Signal System)

NOTES

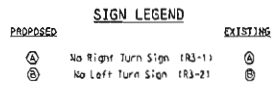
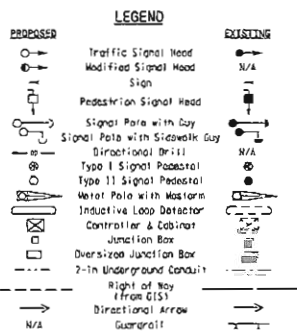
1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Maximum times shown in timing chart are for frog-run operation only. Coordinated signal system timing values supersede these values.
4. Program pedestrian heads to countdown the flashing "Don't Walk" time only.



SE-PAC 2070 TIMING CHART

FEATURE	PHASE		
	3	4	8
Max Green *	10	5	5
Flashing Gap *	-	-	-
Maximum Green *	25	20	20
Yellow Change *	3.8	3.1	3.3
Red Clear *	1.4	2.4	2.2
Walk *	4	4	4
Pedestrian Clear *	10	15	13
Initial Walk *	-	-	-
Maximum Walk *	-	-	-
Time Before Redaction *	-	-	-
Time In Redface *	-	-	-
Minimum Gap *	-	-	-
Recall Mode	MAX RECALL	MAX RECALL	MAX RECALL
Vehicle Call Memory	N/A	N/A	N/A
Dual Entry	-	-	-
Simultaneous Gap	ON	ON	ON

* These values may be field adjusted. Do not exceed Min. Green and Redface times for phases 3 and 4 lower than what is shown. Max Green for all other phases should not be lower than 4 seconds.



SIGNAL UPGRADE

Stantec

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 801 Jones Franklin Road-Suite 300
 Raleigh, NC 27601
 Tel: (919) 851-6585
 Fax: (919) 851-7024
 www.stantec.com
 License No. F-0072

SR 2911 (NEW BERN AVENUE) AT EAST STREET

DIVISION 5 HAYE COUNTY RALEIGH

PLN DATE: JULIE 2014 REVISED BY: B. WATSON

PREPARED BY: S. LAYTON REVIEWED BY: [] DATE: []

DESIGNED BY: [] CHECKED BY: [] DATE: []

IN CHARGE: [] DATE: []

PRELIMINARY PLANS

SEAL

DATE: [] TIME: []

1/1/2014 10:00 AM C:\Users\jwatts\Documents\101111_01_101_001.dwg
 1/1/2014 10:00 AM

Person Street at Lane Street

Person at Larre

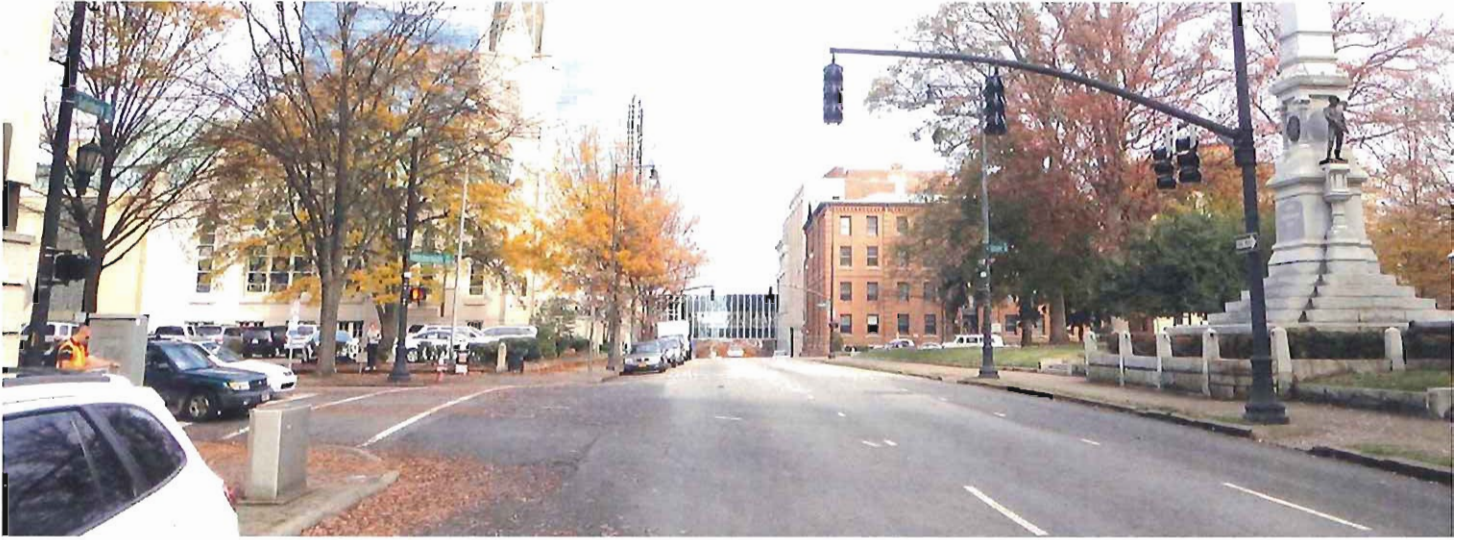


Person at Lane



Hillsborough Street at Salisbury Street

Hillsborough at Salisbury



Hillsborough at Salisbury

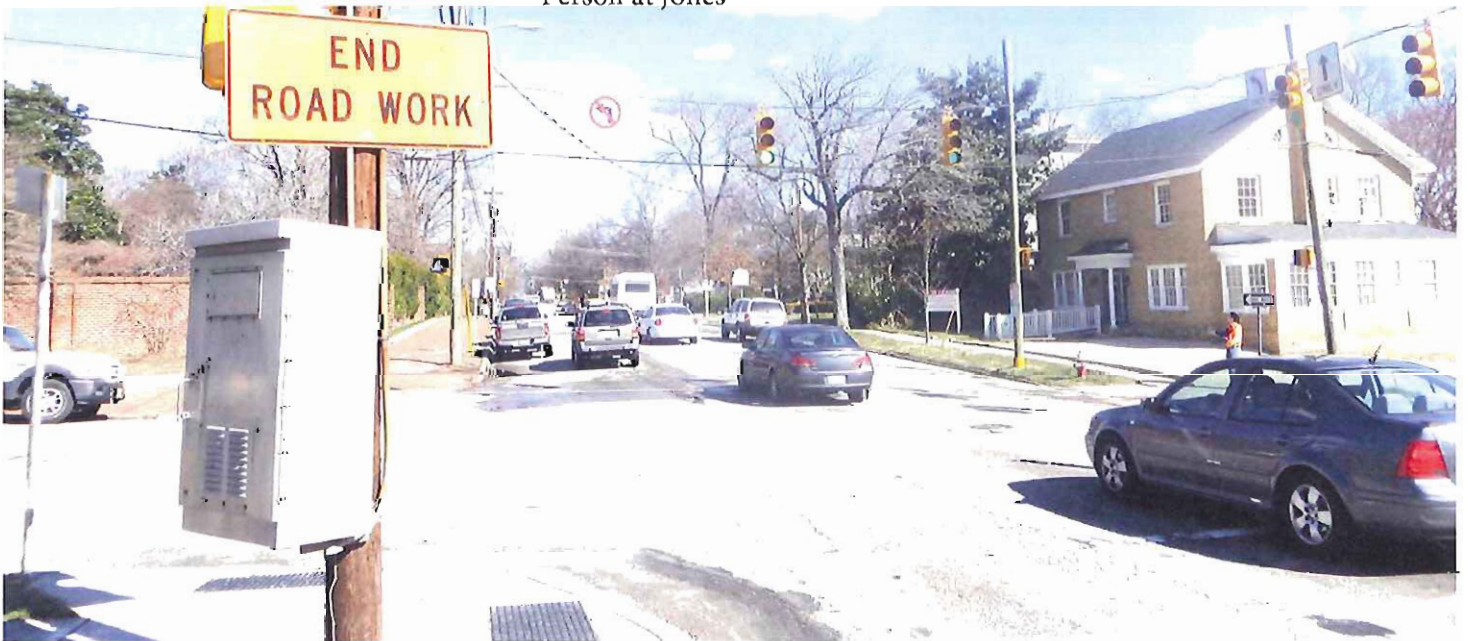


Person Street at Jones Street

Person at Jones



Person at Jones



Amendment 9/4/14

Tully, Tania

From: Sackaroff, Amy <amy.sackaroff@stantec.com>
Sent: Thursday, September 04, 2014 3:40 PM
To: Tully, Tania
Cc: Watson, Betsy
Subject: FW: Pedestrian COA Question
Attachments: FINAL_DPSI_COA supplement.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Good afternoon, Tania - my apologies for not getting back to you sooner on your questions below. During our investigations last month, we found that the sidewalk in the NE quadrant of the Person/Jones intersection was reconstructed since we scoped the project in early 2013. (See attached photos.) We revised the proposed improvements (plan sheets attached) to include only the installation of detectable warning surfaces in that quadrant and to note that the existing granite curb will be retained. And just to clarify, there are no improvements proposed for the NW quadrant of this intersection. Please feel free to contact me if you have any additional questions - thank you again for your help with this project!

Amy

Amy Sackaroff, AICP
Senior Environmental Planner
Stantec
801 Jones Franklin Road Suite 300 Raleigh NC 27606-3934
Phone: (919) 851-6866
Cell: (919) 414-7895
Fax: (919) 851-7024
amy.sackaroff@stantec.com

Celebrating 60 years of community, creativity, and client relationships.

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Please consider the environment before printing this email.

From: Tully, Tania
Sent: Tuesday, July 22, 2014 3:44 PM
To: Ekstrom, Vivian
Subject: RE: Database Question

Hi Vivian -

Thanks. Looking at the scan I have only 2 questions:

1) Are they certain about the needed curb cuts at Person and Jones. In thee pre-application review it said that there were existing cuts on the east side of Person and one was needed on the NW side.

PROJECT DESIGN ENGINEER
MICHAEL D. LINDGREN, P.E.
 SENIOR PROJECT ENGINEER
BETSY L. WATSON, P.E.

INCOMPLETE PLANS
 DO NOT USE FOR A/R OR ADJUSTMENT
PRELIMINARY PLANS
 DO NOT USE FOR CONSTRUCTION



CITY CONTACT:

John Sandoz, PE
 City of Raleigh
 Public Works Department - Transportation Operations
 320 W. Hargett Street
 ROOM 310
 RALEIGH, NC 27602-0560
 TEL: 919.206.3030
 FAX: 919.998.7123

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 801 James Franklin Road
 Suite 300
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 FAX: 919.851-7624
 www.stantec.com
 License No. 740272

THE CITY OF RALEIGH

PUBLIC WORKS DEPARTMENT



CITY OF RALEIGH
 All Construction must be in accordance with all Local, State, and Federal Rules and Regulations.

Transportation

Public Services

Public Utilities

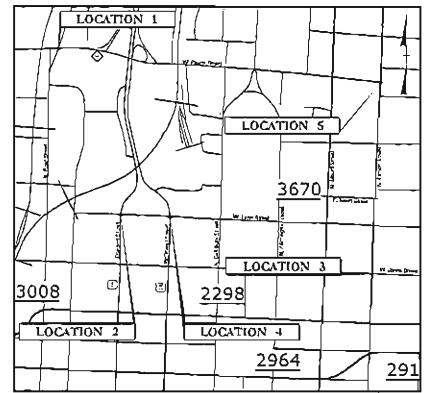
Stormwater

Planning

Env.

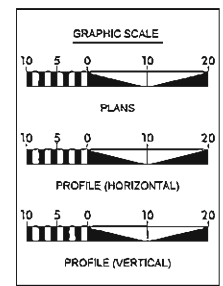
Urban Forestry

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL CITY OF RALEIGH AND/OR NCDOT STANDARDS AND SPECIFICATIONS.



PROJECT STUDY AREAS

REVISED 90% PLANS



SHEET NUMBER	INDEX OF SHEETS
1	LOCATION/DESCRIPTION
1-4	TITLE SHEET
1-6	GENERAL NOTES AND STANDARDS
1-8	CONVENTIONAL SYMBOLS
2	CITY OF RALEIGH CURB RAMP DETAILS
4 THRU 4A	W. PEACE STREET AT WEST STREET EXISTING CONDITIONS AND PROPOSED PLAN SHEETS
5 THRU 5A	DAWSON STREET AT W. LANE STREET EXISTING CONDITIONS AND PROPOSED PLAN SHEETS
6 THRU 6A	PERSON STREET AT E. JONES STREET EXISTING CONDITIONS AND PROPOSED PLAN SHEETS
7 THRU 7A	MCDOWELL STREET AT W. LANE STREET EXISTING CONDITIONS AND PROPOSED PLAN SHEETS
8 THRU 8A	W. PEACE STREET AT PERSON STREET EXISTING CONDITIONS AND PROPOSED PLAN SHEETS
SIG. 1 THRU SIG. 31	SIGNAL PLANS

DOWNTOWN PEDESTRIAN SAFETY IMPROVEMENTS

TIP EL-5100 IF

RUFFIN L. HALL
 CITY MANAGER

NANCY McFARLANE
 MAYOR

8/27/2014 10:45:45 AM Proj: V:\1000382.RBY_1.TS\ldgdn

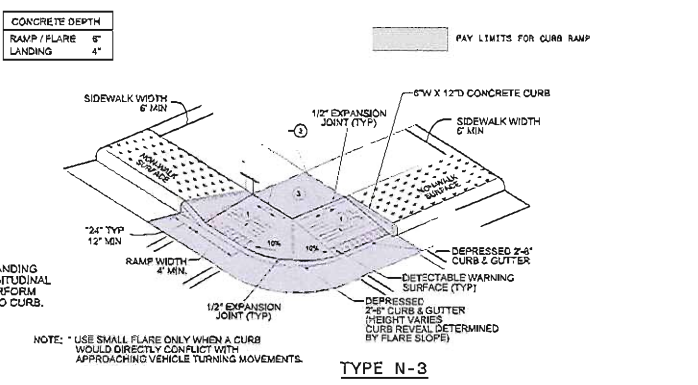
**CITY OF RALEIGH
PUBLIC WORKS DEPARTMENT**

REVISIONS	DATE	BY	NOT TO SCALE

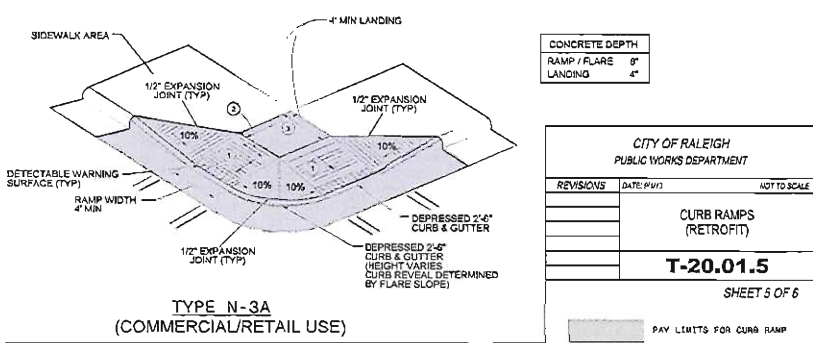
**SIDEWALK ACCESS
RAMPS**

T-20.01.3

SHEET 3 OF 6



- 8.33% (12:1) MAX RAMP SLOPE
- CROSS SLOPE: 2.00%
- CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.



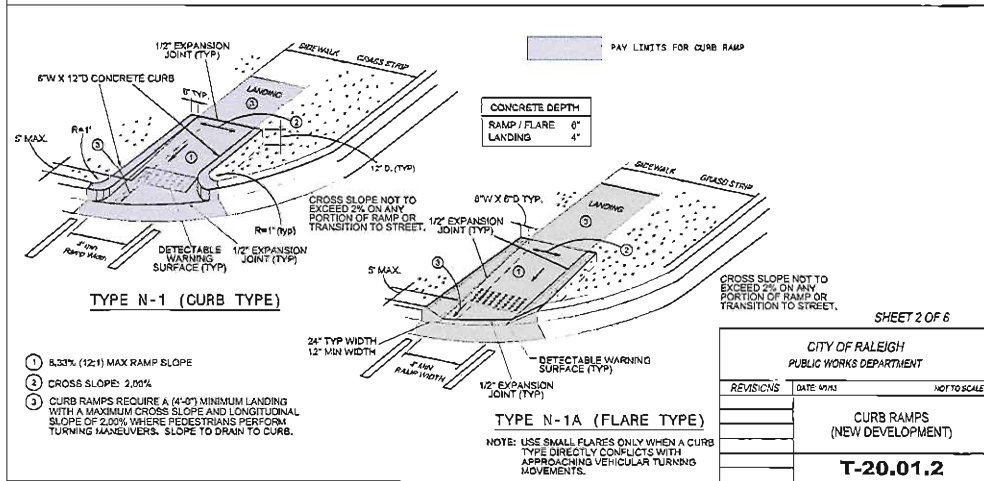
**CITY OF RALEIGH
PUBLIC WORKS DEPARTMENT**

REVISIONS	DATE	BY	NOT TO SCALE

**CURB RAMPS
(RETROFIT)**

T-20.01.5

SHEET 5 OF 6



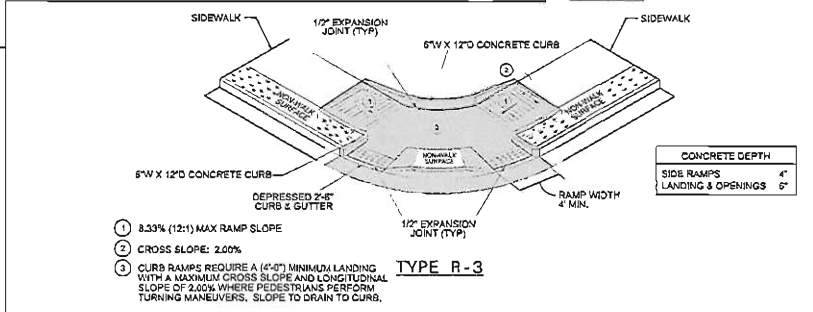
- 8.33% (12:1) MAX RAMP SLOPE
- CROSS SLOPE: 2.00%
- CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.

**CITY OF RALEIGH
PUBLIC WORKS DEPARTMENT**

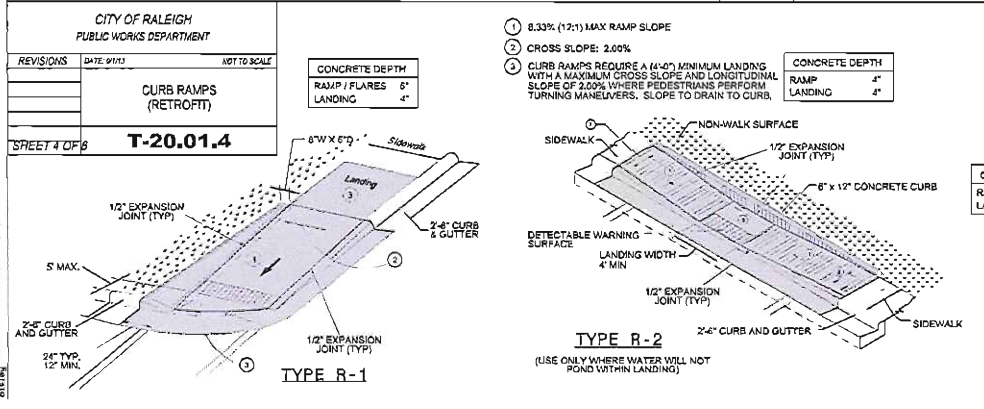
REVISIONS	DATE	BY	NOT TO SCALE

**CURB RAMPS
(NEW DEVELOPMENT)**

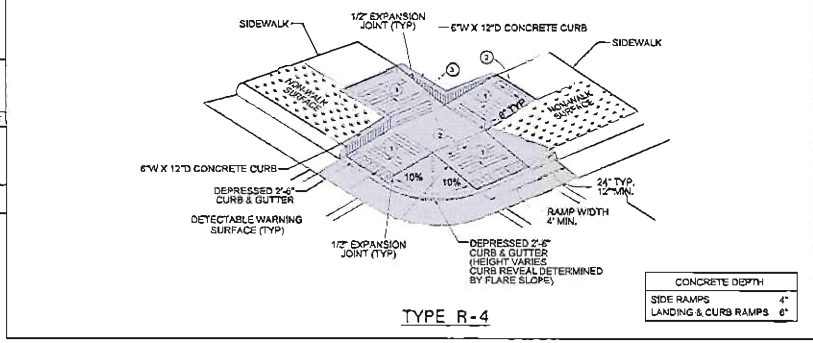
T-20.01.2



- 8.33% (12:1) MAX RAMP SLOPE
- CROSS SLOPE: 2.00%
- CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.



- 8.33% (12:1) MAX RAMP SLOPE
- CROSS SLOPE: 2.00%
- CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.



**CITY OF RALEIGH
PUBLIC WORKS DEPARTMENT**

REVISIONS	DATE	BY	NOT TO SCALE

**CURB RAMPS
(RETROFIT)**

T-20.01.4

SHEET 4 OF 6

**INCOMPLETE PLANS
DO NOT USE FOR CONSTRUCTION**

**PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION**

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Fax: (919) 851-7224
www.stantec.com
License No. T-0012

DATE: 11/11/14
DRAWN BY: []
CHECKED BY: []
SCALE: 1/8"=1'-0"
DATE: 11/11/14

B:\2014\2014-10-17-10-NITR01302_00Y_PSWZ_DETAILS.dwg
01/11/14

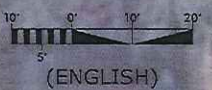
NOTE: RIGHT-OF-WAY LIMITS ALONG THE WESTERN PORTION OF THIS SHEET WAS PROVIDED BY WAKE COUNTY GIS.
 RIGHT-OF-WAY LIMITS ALONG THE EASTERN PORTION OF THIS SHEET WAS SURVEYED BY STANTEC CONSULTING.



NOTE: EXISTING FEATURES WERE OBTAINED BY USE OF AERIAL PHOTOGRAPHY AND SHOULD NOT BE CONSIDERED AS SURVEYED FEATURES.

EXISTING CONDITIONS

DOWNTOWN PEDESTRIAN SAFETY IMPROVEMENTS
 PERSON STREET AT E. JONES STREET



INCOMPLETE PLANS
 DO NOT USE FOR ACQUISITION
 PRELIMINARY PLANS
 DO NOT USE FOR CONSTRUCTION

Stantec
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 www.stantec.com
 License No. F-6072

NO.	DATE	REVISIONS

SCALES
 HORIZONTAL 1"=40'
 VERTICAL 1"=10'
 SHEET NO. 6

8/27/2014
 R:\Projects\11952 PG 2634_Person St Safety Improvements.dwg
 11/18/14

PERSON STREET AT JONES STREET - NORTHEAST QUADRANT



March 1, 2013



August 1, 2014