

**Installation of ITS Devices on I-485  
from NC 115 (Old Statesville Road) to  
Interchange with I-85  
Mecklenburg County**

**Federal Aid Project No. CMS-0485 (36)  
WBS Element No. 34410.3.FS31  
STIP PROJECT NO. R-2248 EA**



**ADMINISTRATIVE ACTION  
PROGRAMMATIC CATEGORICAL EXCLUSION**

**U. S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
AND  
N. C. DEPARTMENT OF TRANSPORTATION**

# PROJECT COMMITMENTS

T.I.P. No. R-2248 EA  
Installation of ITS Devices on I-485  
from NC 115 (Old Statesville Road) to interchange with I-85  
Mecklenburg County  
Federal Aid Project CMS-0485(36)  
WBS Project No. 34410.3.FS31

## COMMITMENTS FROM PROJECT DEVELOPMENT AND DESIGN

### **Project Development and Environmental Analysis Branch, Roadway Design Unit, Roadside Environmental Unit, and Division 10:**

In order to provide protection for the Schweinitz's sunflower population (Element Occurrence 224) during construction, the area will be delineated with construction fencing and further protected by identification as an "environmentally sensitive" area on the construction plans. Also, native seeding will be used in the adjacent area, and after construction, the population will be cataloged and managed with mowing restrictions by NCDOT. Fencing will also be erected on the boundary between the plants and the subdivision to prevent unauthorized moving or other disturbance.

*The area as already been delineated with the materials as described above.*

CATEGORICAL EXCLUSION ACTION CLASSIFICATION FORM

|                     |                      |
|---------------------|----------------------|
| TIP Project No.     | <u>R-2248EA</u>      |
| WBS Project No.     | <u>34410.3.FS31</u>  |
| Federal Project No. | <u>CMS-0485 (36)</u> |

- A. Project Description: (Include project scope and location and refer to the attached project location map.)

**Project Limits: I-485 from I-77 (Exit 23) to I-85 (Exit 31)**

R-2248EA involves the installation of devices for Intelligent Transportation Systems (ITS) to support the Metrolina Regional Transportation Managements Center’s (MRTMC) traffic management system on I-485 and around the Charlotte Area. The I-485 construction project, R-2248E, will complete the northern section of Charlotte’s outer loop. The ITS project, R-2248EA, will follow the construction project and install the ITS devices to extend the MRTMC’s ITS coverage on I-485 from I-77 (Exit 23) to I-85 (Exit 31).

The ITS installed in this project will be comprised of two (2) Dynamic Message Signs (DMS), seven (7) Closed Circuit Television Cameras (CCTV) and fiber optic cable. All ITS devices (DMSs & CCTVs) will be located within the existing right-of-way of I-485 at locations between I-77 (Exit 23) and I-85 (Exit 31).

The proposed ITS project will not alter the arrangement or the number of travel lanes on I-485. No additional R/W will be needed for installation of the proposed ITS devices. The current State Transportation Improvement Program shows that the proposed ITS project is funded for construction in May 2015 in the amount of \$1,500,000.

- B. Purpose and Need:

The purpose of the proposed project is to extend the MRTMC’s freeway surveillance system and traveler information coverage an additional 8 miles around the Charlotte outer loop. This installation is needed to provide the MRTMC the capability to manage traffic, incidents, and detour routing on I-485 and in northern Mecklenburg County.

- C. Proposed Improvements:

Circle one or more of the following Type II improvements which apply to the project:

1. Modernization of a highway by resurfacing, restoration, rehabilitation, reconstruction, adding shoulders, or adding auxiliary lanes (e.g., parking, weaving, turning, climbing).
  - a. Restoring, Resurfacing, Rehabilitating, and Reconstructing pavement (3R and 4R improvements)
  - b. Widening roadway and shoulders without adding through lanes
  - c. Modernizing gore treatments
  - d. Constructing lane improvements (merge, auxiliary, and turn lanes)

- e. Adding shoulder drains
  - f. Replacing and rehabilitating culverts, inlets, and drainage pipes, including safety treatments
  - g. Providing driveway pipes
  - h. Performing minor bridge widening (less than one through lane)
  - i. Slide Stabilization
  - j. Structural BMP's for water quality improvement
2. Highway safety or traffic operations improvement projects including the installation of ramp metering control devices and lighting.
- a. Installing ramp metering devices
  - b. Installing lights
  - c. Adding or upgrading guardrail
  - d. Installing safety barriers including Jersey type barriers and pier protection
  - e. Installing or replacing impact attenuators
  - f. Upgrading medians including adding or upgrading median barriers
  - g. Improving intersections including relocation and/or realignment
  - h. Making minor roadway realignment
  - i. Channelizing traffic
  - j. Performing clear zone safety improvements including removing hazards and flattening slopes
  - k. Implementing traffic aid systems, signals, and motorist aid
  - l. Installing bridge safety hardware including bridge rail retrofit
3. Bridge rehabilitation, reconstruction, or replacement or the construction of grade separation to replace existing at-grade railroad crossings.
- a. Rehabilitating, reconstructing, or replacing bridge approach slabs
  - b. Rehabilitating or replacing bridge decks
  - c. Rehabilitating bridges including painting (no red lead paint), scour repair, fender systems, and minor structural improvements
  - d. Replacing a bridge (structure and/or fill)
4. Transportation corridor fringe parking facilities.
5. Construction of new truck weigh stations or rest areas.
6. Approvals for disposal of excess right-of-way or for joint or limited use of right-of-way, where the proposed use does not have significant adverse impacts.
7. Approvals for changes in access control.
8. Construction of new bus storage and maintenance facilities in areas used predominantly for industrial or transportation purposes where such construction is not inconsistent with existing zoning and located on or near a street with adequate capacity to handle anticipated bus and support vehicle traffic.
9. Rehabilitation or reconstruction of existing rail and bus buildings and ancillary facilities where only minor amounts of additional land are required and there is not a substantial increase in the number of users.

10. Construction of bus transfer facilities (an open area consisting of passenger shelters, boarding areas, kiosks and related street improvements) when located in a commercial area or other high activity center in which there is adequate street capacity for projected bus traffic.
11. Construction of rail storage and maintenance facilities in areas used predominantly for industrial or transportation purposes where such construction is not inconsistent with existing zoning and where there is no significant noise impact on the surrounding community.
12. Acquisition of land for hardship or protective purposes, advance land acquisition loans under section 3(b) of the UMT Act. Hardship and protective buying will be permitted only for a particular parcel or a limited number of parcels. These types of land acquisition qualify for a CE only where the acquisition will not limit the evaluation of alternatives, including shifts in alignment for planned construction projects, which may be required in the NEPA process. No project development on such land may proceed until the NEPA process has been completed.
13. Acquisition and construction of wetland, stream and endangered species mitigation sites.
14. Remedial activities involving the removal, treatment or monitoring of soil or groundwater contamination pursuant to state or federal remediation guidelines.

D. Special Project Information: (Include Environmental Commitments and Permits Required.)

**Proposed I.T.S. Installations:**

There will be 7 CCTVs installed at strategic vantage points along I-485 at/near:

1. CCTV-1 - NC 115 (Old Statesville Rd), *GPS (35.366083, -80.828067)*
2. CCTV-2 - Independence Hill Rd, *GPS (35.366167, -80.815800)*
3. CCTV-3 – SR 2480 (Browne Rd), *GPS (35.367867, -80.806300)*
4. CCTV-4 – Benfield Rd, *GPS (35.369400, -80.789367)*
5. CCTV-5 - Prosperity Ridge Rd, *GPS (35.368433, -80.779917)*
6. CCTV-6 - West of Mallard Creek Rd, *GPS (35.368317, -80.765333)*
7. CCTV-7 - Mallard Creek Rd, *GPS (35.362083, -80.748800)*

There will be 2 DMSs installed at the following locations along I-485:

1. DMS-1 - near Browne Road, *GPS (35.369167, -80.783933)*
2. DMS-2 - near Prosperity Ridge Road, *GPS (35.368450, -80.770283)*

There will be 8 miles of fiber optic cable installed in existing underground conduit along I-485 between I-77 (Exit 23) and I-85 (Exit 31). There will be minimal trenching required for power and guardrail within the existing right-of-way at each proposed camera and DMS location.

E. Threshold Criteria

The following evaluation of threshold criteria must be completed for Type II actions

| <u>ECOLOGICAL</u>  | <u>YES</u>                          | <u>NO</u>                           |
|--|-------------------------------------|-------------------------------------|
| (1) Will the project have a substantial impact on any unique or important natural resource?  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| (2) Does the project involve habitat where federally listed endangered or threatened species may occur?  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| (3) Will the project affect anadromous fish?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| (4) If the project involves wetlands, is the amount of permanent and/or temporary wetland taking less than one-tenth (1/10) of an acre and have all practicable measures to avoid and minimize wetland takings been evaluated? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| (5) Will the project require the use of U. S. Forest Service lands?  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| (6) Will the quality of adjacent water resources be adversely impacted by proposed construction activities?  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| (7) Does the project involve waters classified as Outstanding Water Resources (OWR) and/or High Quality Waters (HQW)?  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| (8) Will the project require fill in waters of the United States in any of the designated mountain trout counties?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| (9) Does the project involve any known underground storage tanks (UST's) or hazardous materials sites?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <u>PERMITS AND COORDINATION</u>  | <u>YES</u>                          | <u>NO</u>                           |
| (10) If the project is located within a CAMA county, will the project significantly affect the coastal zone and/or any "Area of Environmental Concern" (AEC)?  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| (11) Does the project involve Coastal Barrier Resources Act resources?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| (12) Will a U. S. Coast Guard permit be required?  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| (13) Will the project result in the modification of any existing regulatory floodway?  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

|      |   |                          |                     |
|------|---|--------------------------|---------------------|
| (14) | Will the project require any stream relocations or channel changes? | <input type="checkbox"/> | <u>  <b>x</b>  </u> |
|------|---|--------------------------|---------------------|

|   |            |           |
|---|------------|-----------|
| <u>SOCIAL, ECONOMIC, AND CULTURAL RESOURCES</u> | <u>YES</u> | <u>NO</u> |
|---|------------|-----------|

|      |   |                          |                     |
|------|---|--------------------------|---------------------|
| (15) | Will the project induce substantial impacts to planned growth or land use for the area? | <input type="checkbox"/> | <u>  <b>x</b>  </u> |
|------|---|--------------------------|---------------------|

|      |  |                          |                     |
|------|--|--------------------------|---------------------|
| (16) | Will the project require the relocation of any family or business? | <input type="checkbox"/> | <u>  <b>x</b>  </u> |
|------|--|--------------------------|---------------------|

|      |   |                          |                     |
|------|---|--------------------------|---------------------|
| (17) | Will the project have a disproportionately high and adverse human health and environmental effect on any minority or low-income population? | <input type="checkbox"/> | <u>  <b>x</b>  </u> |
|------|---|--------------------------|---------------------|

|      |  |                       |                          |
|------|--|-----------------------|--------------------------|
| (18) | If the project involves the acquisition of right of way, is the amount of right of way acquisition considered minor? | <u>  <b>N/A</b>  </u> | <input type="checkbox"/> |
|------|--|-----------------------|--------------------------|

|      |   |                          |                     |
|------|---|--------------------------|---------------------|
| (19) | Will the project involve any changes in access control? | <input type="checkbox"/> | <u>  <b>x</b>  </u> |
|------|---|--------------------------|---------------------|

|      |   |                          |                     |
|------|---|--------------------------|---------------------|
| (20) | Will the project substantially alter the usefulness and/or land use of adjacent property? | <input type="checkbox"/> | <u>  <b>x</b>  </u> |
|------|---|--------------------------|---------------------|

|      |  |                          |                     |
|------|--|--------------------------|---------------------|
| (21) | Will the project have an adverse effect on permanent local traffic patterns or community cohesiveness? | <input type="checkbox"/> | <u>  <b>x</b>  </u> |
|------|--|--------------------------|---------------------|

|      |  |                       |                          |
|------|--|-----------------------|--------------------------|
| (22) | Is the project included in an approved thoroughfare plan and/or Transportation Improvement Program (and is, therefore, in conformance with the Clean Air Act of 1990)? | <u>  <b>N/A</b>  </u> | <input type="checkbox"/> |
|------|--|-----------------------|--------------------------|

|      |   |                          |                     |
|------|---|--------------------------|---------------------|
| (23) | Is the project anticipated to cause an increase in traffic volumes? | <input type="checkbox"/> | <u>  <b>x</b>  </u> |
|------|---|--------------------------|---------------------|

|      |   |                     |                          |
|------|---|---------------------|--------------------------|
| (24) | Will traffic be maintained during construction using existing roads, staged construction, or on-site detours? | <u>  <b>x</b>  </u> | <input type="checkbox"/> |
|------|---|---------------------|--------------------------|

|      |   |                       |                          |
|------|---|-----------------------|--------------------------|
| (25) | If the project is a bridge replacement project, will the bridge be replaced at its existing location (along the existing facility) and will all construction proposed in association with the bridge replacement project be contained on the existing facility? | <u>  <b>N/A</b>  </u> | <input type="checkbox"/> |
|------|---|-----------------------|--------------------------|

|      |  |                          |                     |
|------|--|--------------------------|---------------------|
| (26) | Is there substantial controversy on social, economic, or environmental grounds concerning the project? | <input type="checkbox"/> | <u>  <b>x</b>  </u> |
|------|--|--------------------------|---------------------|

|      |   |                     |                          |
|------|---|---------------------|--------------------------|
| (27) | Is the project consistent with all Federal, State, and local laws relating to the environmental aspects of the project? | <u>  <b>x</b>  </u> | <input type="checkbox"/> |
|------|---|---------------------|--------------------------|

|      |  |                          |                     |
|------|--|--------------------------|---------------------|
| (28) | Will the project have an "effect" on structures/properties eligible for or listed on the National Register of Historic Places? | <input type="checkbox"/> | <u>  <b>x</b>  </u> |
|------|--|--------------------------|---------------------|

- (29) Will the project affect any archaeological remains which are important to history or pre-history?    **X**
- (30) Will the project require the use of Section 4(f) resources (public parks, recreation lands, wildlife and waterfowl refuges, historic sites, or historic bridges, as defined in Section 4(f) of the U. S. Department of Transportation Act of 1966)?    **X**
- (31) Will the project result in any conversion of assisted public recreation sites or facilities to non-recreation uses, as defined by Section 6(f) of the Land and Water Conservation Act of 1965, as amended?    **X**
- (32) Will the project involve construction in, across, or adjacent to a river designated as a component of or proposed for inclusion in the National System of Wild and Scenic Rivers?    **X**

F. Additional Documentation Required for Unfavorable Responses in Part E  
 (Discussion regarding all unfavorable responses in Part E should be provided below. Additional supporting documentation may be attached, as necessary.)



G. CE Approval

TIP Project No.                         R-2248EA                          
State Project No.                         34410                          
Federal-Aid Project No.                         CMS-0485 (36)                        

Project Description: (Include project scope and location. Attach location map.)

R-2248EA involves the installation of devices for Intelligent Transportation Systems (ITS) to support the Metrolina Regional Transportation Management Center's (MRTMC) traffic management system on I-485 and around the Charlotte Area. The I-485 construction project, R-2248E, will complete the northern section of Charlotte's outer loop. The ITS project, R-2248EA, will follow the construction project and install the ITS devices to extend the MRTMC's ITS coverage on I-485 from I-77 (Exit 23) to I-85 (Exit 31).

The ITS installed in this project will be comprised of two (2) Dynamic Message Signs (DMS), seven (7) Closed Circuit Television Cameras (CCTV) and fiber optic cable. All ITS devices (DMSs & CCTVs) will be located within the existing right-of-way of I-485 at locations between I-77 (Exit 23) and I-85 (Exit 31).

The proposed ITS project will not alter the arrangement or the number of travel lanes on I-485. No additional R/W will be needed for installation of the proposed ITS devices. The current State Transportation Improvement Program shows that the proposed ITS project is funded for construction in May 2015 in the amount of \$1,500,000.

Categorical Exclusion Action Classification: (Check one)

    X     TYPE II(A)  
        TYPE II(B)

Approved:

3-11-2015                                 *Jennifer Harris*  
Date   Project Development Unit Head  
  Project Development and Environmental Analysis Unit

03-11-2015                                 *[Signature]*  
Date   Project Engineer  
  Project Development and Environmental Analysis Unit

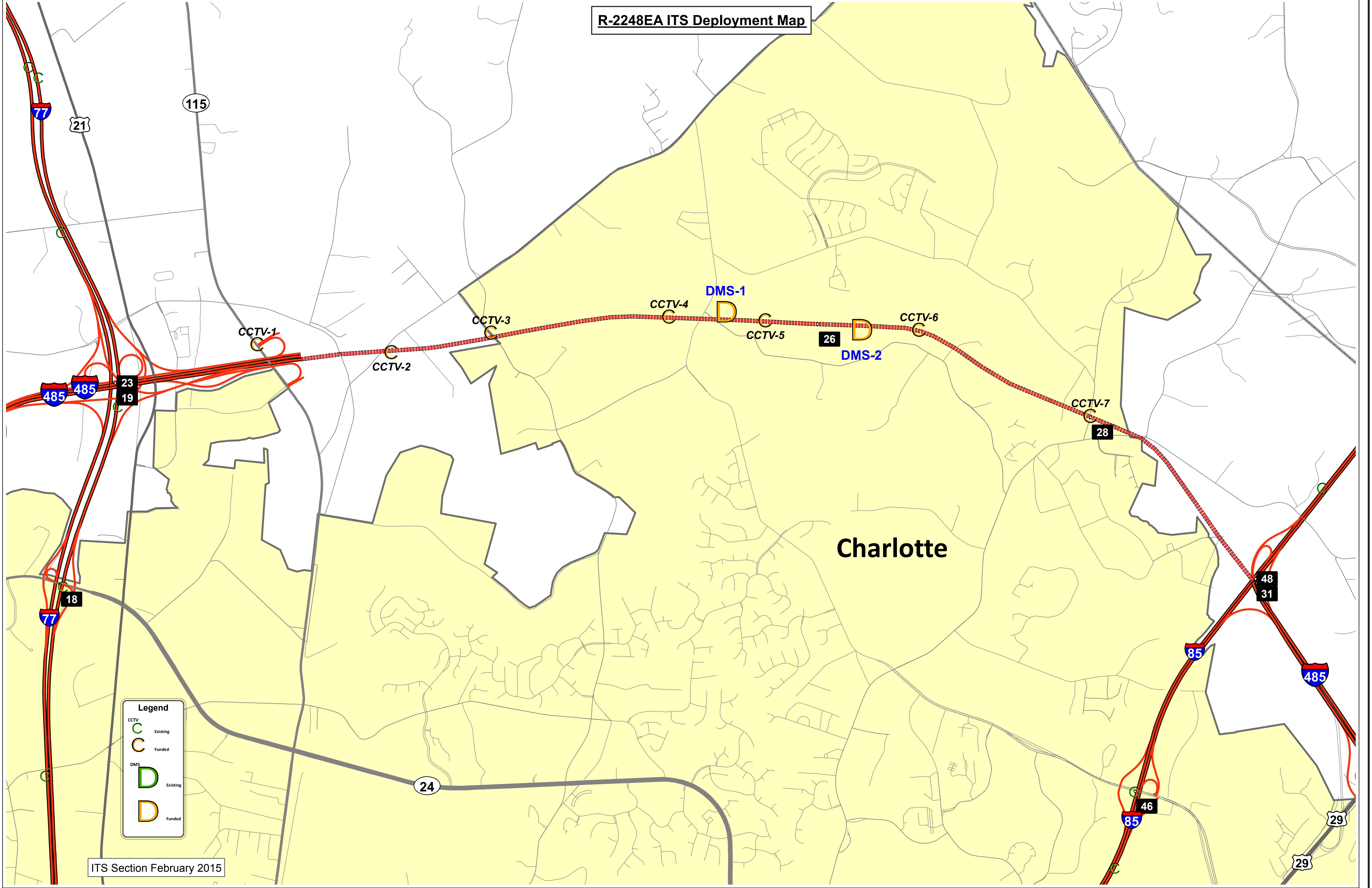
02-27-2015                                 *Zahid Mehta*  
Date   Project Planning Engineer  
  Project Development and Environmental Analysis Branch

# Appendix A

## Figures



R-2248EA ITS Deployment Map



**Legend**

- CCTV  
C Existing  
C Funded
- DMS  
D Existing  
D Funded

ITS Section February 2015

# Appendix B

- 1: Historic Architecture and Landscapes No Survey Required Form
- 2: Archaeological No Survey Required Form



15-02-0042



## HISTORIC ARCHITECTURE AND LANDSCAPES NO SURVEY REQUIRED FORM

This form only pertains to Historic Architecture and Landscapes for this project. It is not valid for Archaeological Resources. You must consult separately with the Archaeology Group.

### PROJECT INFORMATION

|   |   |                        |  |
|---|---|------------------------|--|
| <b>Project No:</b>  | R-2248 EA   | <b>County:</b>         | Mecklenburg  |
| <b>WBS No.:</b>   | 34410.3.FS31  | <b>Document Type:</b>  | PCE  |
| <b>Fed. Aid No:</b>   | CMS-0485(36)  | <b>Funding:</b>        | <input type="checkbox"/> State <input checked="" type="checkbox"/> Federal |
| <b>Federal Permit(s):</b>   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <b>Permit Type(s):</b> | N/A  |
| <b>Project Description:</b> Installation of devices from Intelligent Transportation Systems (ITS) to support traffic on I-485 from I-77 (Exit 23) to I-85 (Exit 31). The installation will include 2 Dynamic message Signs, 7 Closed Circuit Television Cameras, and fiber optic cable. |   |                        |  |

### SUMMARY OF HISTORIC ARCHITECTURE AND LANDSCAPES REVIEW

**Description of review activities, results, and conclusions:**

Review of HPO quad maps, HPO GIS information, historic designations roster, and indexes was undertaken on February 18, 2015. Based on this review, there are no existing NR, SL, LD, DE, or SS properties in the Area of Potential Effects, which is defined as the existing right of way from end to end of project. There are no National Register listed or eligible properties within the APE and no survey is required. If design plans change, additional review will be required.

**Why the available information provides a reliable basis for reasonably predicting that there are no unidentified significant historic architectural or landscape resources in the project area:**

HPO quad maps and GIS information recording NR, SL, LD, DE, and SS properties for the Mecklenburg County survey and Google Maps are considered valid for the purposes of determining the likelihood of historic resources being present. There are no National Register listed or eligible properties within the APE and no survey is required.

### SUPPORT DOCUMENTATION

Map(s)     Previous Survey Info.     Photos     Correspondence     Design Plans

### FINDING BY NCDOT ARCHITECTURAL HISTORIAN

Historic Architecture and Landscapes -- NO SURVEY REQUIRED

*Walt Hustad*

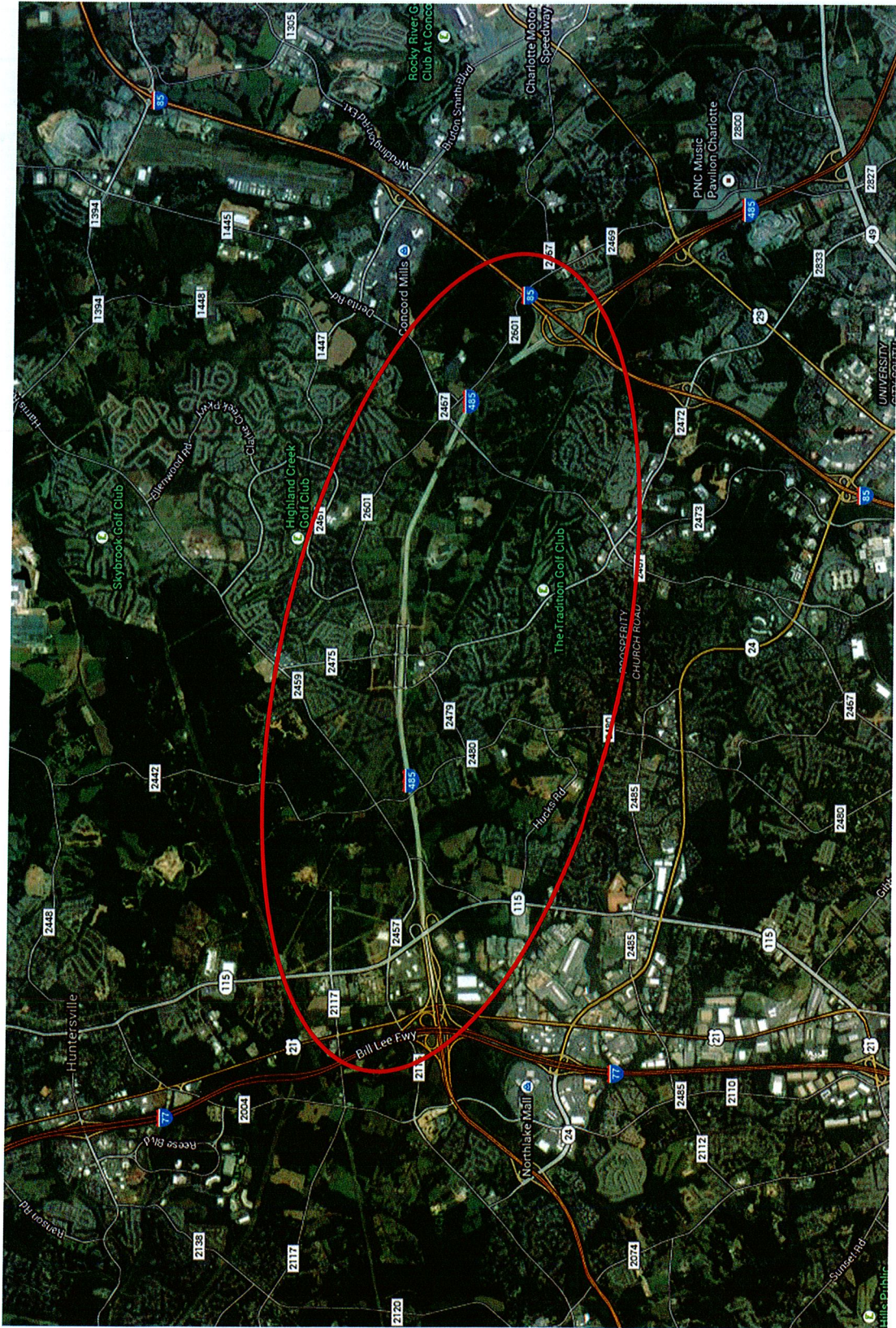
*2/20/2015*

NCDOT Architectural Historian

Date

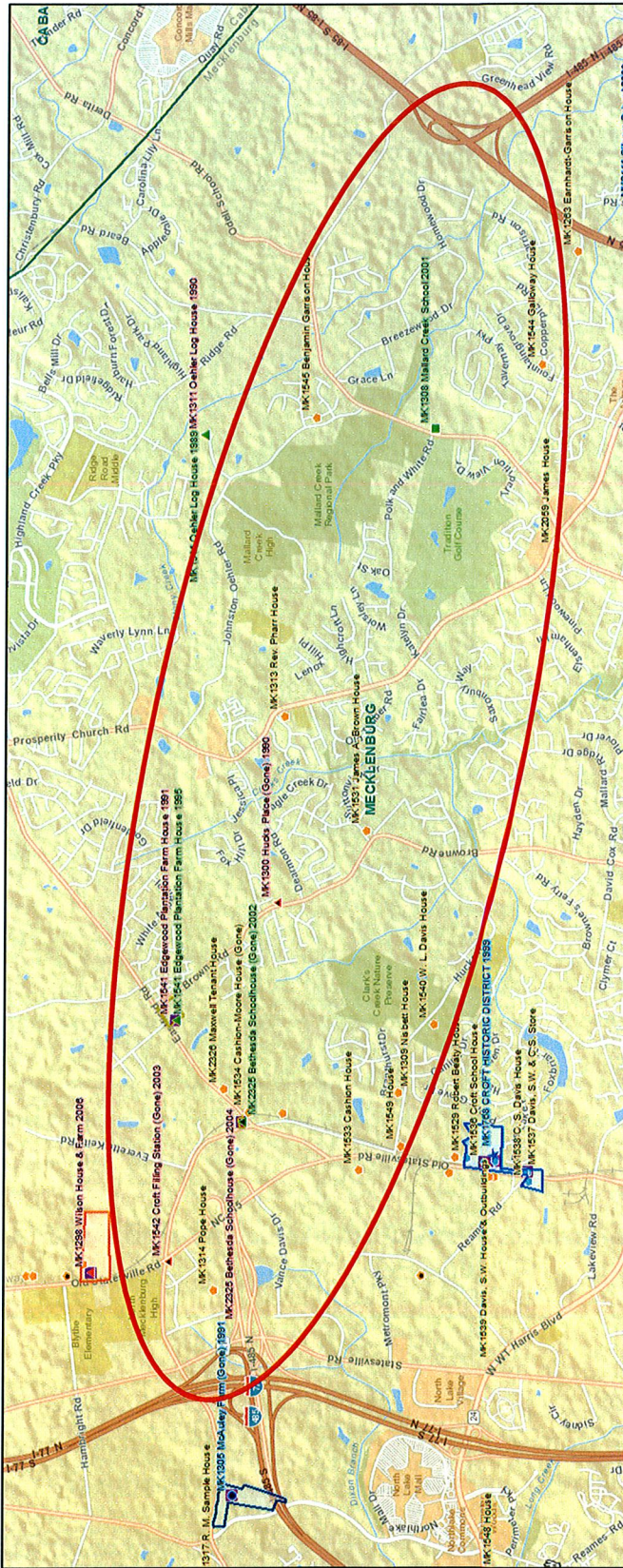
Historic Architecture and Landscapes NO SURVEY REQUIRED form for Minor Transportation Projects as Qualified in the 2007 Programmatic Agreement.





**Project Location. APE is defined as the existing Right of Way of I-485. There are No National Register Listed or Eligible Properties within the Right of Way.**





**Approximate location of new section of I-485. All remaining properties identified on this HPO GIS map fall outside of the Right of Way or are no longer standing.**

15-02-0042



## NO ARCHAEOLOGICAL SURVEY REQUIRED FORM

This form only pertains to ARCHAEOLOGICAL RESOURCES for this project. It is not valid for Historic Architecture and Landscapes. You must consult separately with the Historic Architecture and Landscapes Group.



### PROJECT INFORMATION

Project No: **R-2248 E A** County: **Mecklenburg**  
 WBS No: **34410.3.FS31** Document: **PCE**  
 F.A. No: **CMS-0485 (36)** Funding:  State  Federal  
 Federal Permit Required?  Yes  No Permit Type: **N/A**

**Project Description:** This project involves the installation of devices for Intelligent Transportation Systems (ITS) to support the Metrolina Regional Transportation Management Center's (MRTMC) traffic management system on I-485 and around the Charlotte area. The ITS undertaking, R-2248 EA, will follow the construction of I-485 and install the ITS devices to extend ITS coverage on I-485 from I-77 (Exit 23) to I-85 (Exit 31). Included will be two Dynamic Message Signs (DMS), seven Closed Circuit Television Cameras (CCTV) and fiber optic cable. All ITS devices will be located within the existing ROW of I-485.

Note that the proposed ITS project will not alter the arrangement of the number of travel lanes on I-485, nor will additional ROW be needed for installation of the devices. The project length is approximately 8 miles and falls within the existing ROW for this northern segment of I-485.

### SUMMARY OF CULTURAL RESOURCES REVIEW

**Brief description of review activities, results of review, and conclusions:**

This is a federally-funded undertaking; Section 106 applies regarding archaeological resources. A visit was arranged to the Office of State Archaeology to review archaeological site location maps and to reference site and report files as needed. Several archaeological surveys have been conducted, mainly associated with environmental review projects (CH 92-E-4220-0794, ER 03-2951), resulting in dozens of archaeological sites in the surrounding vicinity near the current project. The earth disturbing footprint of this undertaking is very minimal, and is unlikely to adversely affect any archaeological sites eligible for the National Register of Historic Places.

**Brief Explanation of why the available information provides a reliable basis for reasonably predicting that there are no unidentified historic properties in the APE:**

This undertaking has a minimal project footprint. All ITS devices will be installed within the existing ROW. There are no known archaeological sites or other resources identified as listed in or eligible for the National Register of Historic Places that would likely be affected by the undertaking. The likelihood of affecting intact, significant archaeological sites is low due to the limited scale and minimal footprint of the project. No further archaeological work is recommended.

### SUPPORT DOCUMENTATION

See attached:  Map(s)  Previous Survey Info  Photos  Correspondence

### FINDING BY NCDOT ARCHAEOLOGIST

NO ARCHAEOLOGY SURVEY REQUIRED

NCDOT ARCHAEOLOGIST II

March 2, 2015

Date



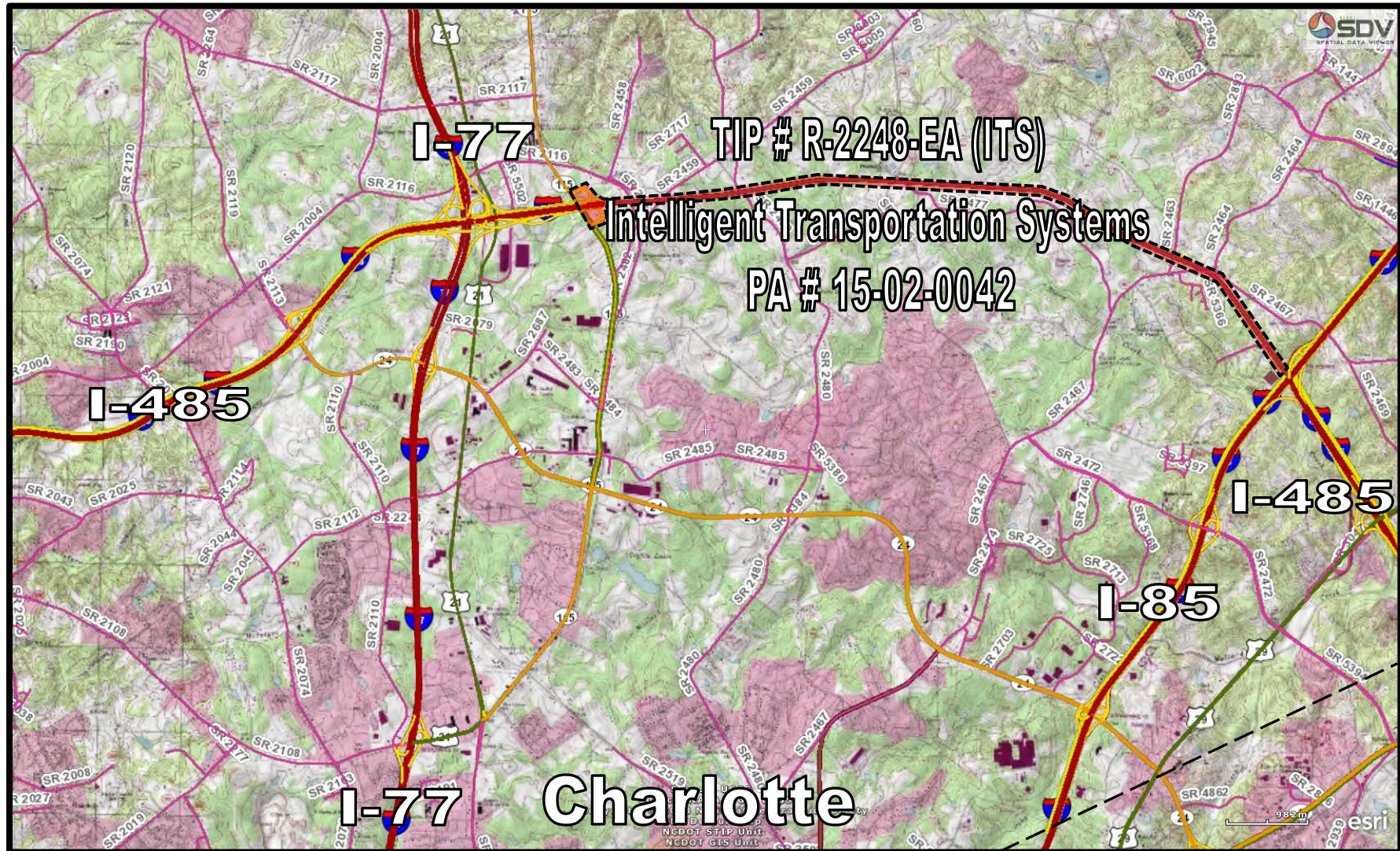


Figure 1. Excerpt of USGS quadrangle (Derita) showing the TIP # R-2248 EA(ITS) project area north of Charlotte in Mecklenburg County. The project involves installing dynamic messaging signs, closed circuit television cameras and fiber optic cable.



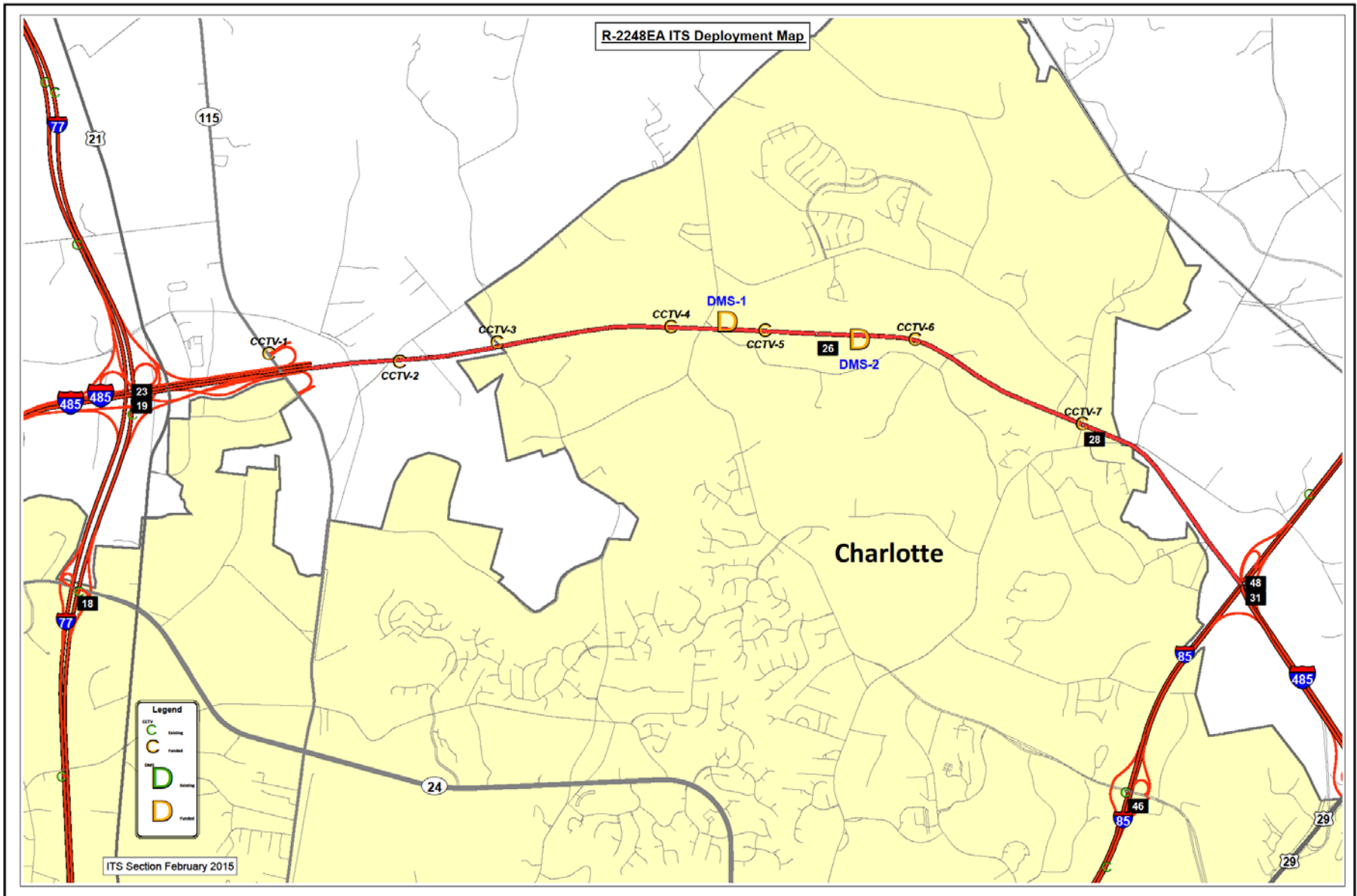


Figure 2. Detail of ITS implementation map for TIP # R-2248 EA.

# Appendix C

## Correspondence

## Baloch, Zahid M

---

**From:** Turchy, Michael A  
**Sent:** Sunday, February 08, 2015 10:04 PM  
**To:** Baloch, Zahid M  
**Cc:** Dagnino, Carla S  
**Subject:** RE: R-2248EA- PCE for yor review  
**Attachments:** R-2248 EA DRAFT - PROPOSED PCE Greensheet 2015-02-09.docx

Hi Zahid.

I've reviewed the attached PCE and map for R-2248 EA, and I have no comment.

Since this work will occur in the footprint of a project which is currently under construction, I anticipate very little additional review from a Natural Environment standpoint.

However, I want to make sure that we continue adhering to the appropriate commitments for the parent project of R-2248 E. Since that green sheet is 8 pages long, and now mostly irrelevant to this project, I have revised it and included it for your review, if you feel is appropriate.

Let me know if you have any questions.

Thanks,  
Michael

---

**From:** Baloch, Zahid M  
**Sent:** Friday, February 6, 2015 3:31 PM  
**To:** Dagnino, Carla S; Turchy, Michael A  
**Cc:** Baloch, Zahid  
**Subject:** R-2248EA- PCE for yor review

Hi, Please find attached PCE for your review. If you need any additional information please let me know. Thanks

**Note: All CCTV will be installed within the existing ROW.**

Zahid Baloch, P.E.  
Project Planning Engineer  
Project Development & Environmental Analysis Unit  
NC Department of Transportation  
Office 919-707-6012

---

Email correspondence to and from this sender is subject to the N.C. Public Records Law and may be disclosed to third parties.

## Baloch, Zahid M

---

**From:** Mcfadden, Timothy T  
**Sent:** Monday, February 09, 2015 10:35 AM  
**To:** Baloch, Zahid M  
**Cc:** Bruton, Teresa M  
**Subject:** RE: R-2248EA- PCE for yor review

Zahid,

I have no additional comments.

Thanks,

Tim

**Timothy T. McFadden, CPM**  
**Design-Build Squad Leader**  
**NCDOT-TPMU**  
**Phone: 919-707-6615**  
**Fax: 919-212-5711**

**1020 Birch Ridge Drive**  
**Raleigh, NC 27610**

**1595 Mail Service Center**  
**Raleigh, NC 27699-1595**

---

**From:** Bruton, Teresa M  
**Sent:** Monday, February 09, 2015 9:04 AM  
**To:** Mcfadden, Timothy T  
**Cc:** Baloch, Zahid M  
**Subject:** FW: R-2248EA- PCE for yor review

Tim,

Please review the attached PCE and forward comments to Zahid.

Thanks and just let me know if you have any questions.

Teresa

---

**From:** Brew, Gregory E  
**Sent:** Monday, February 09, 2015 8:31 AM  
**To:** Baloch, Zahid M  
**Cc:** Bruton, Teresa M  
**Subject:** FW: R-2248EA- PCE for yor review

Zahid,

It has been a while since I have been involved with the R-2248E corridor. I am forwarding the information you have provided to Teresa so that she or her staff will have an opportunity to review.

If you do not hear back from me it means that I had no comments.

Thanks

Greg

---

**From:** Baloch, Zahid M  
**Sent:** Friday, February 06, 2015 3:33 PM  
**To:** Brew, Gregory E  
**Subject:** FW: R-2248EA- PCE for yor review

Hi, Please find attached PCE for your review. If you need any additional information please let me know. Thanks

**Note: All CCTV will be installed within the existing ROW.**

Zahid Baloch, P.E.  
Project Planning Engineer  
Project Development & Environmental Analysis Unit  
NC Department of Transportation  
Office 919-707-6012

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