

This Instrument prepared by:  
State of Tennessee  
Department of Transportation  
Region 1  
P. O. Box 58  
Knoxville, Tennessee 37901  
(Local government)

Project No.: Several  
Hamblen and Jefferson Counties  
Tracts: 37 - 40, 38S, 57 & 58  
Inventory No.: 5043

**LICENSE AGREEMENT**

THIS AGREEMENT is made and entered into as of this the 22<sup>nd</sup> day of July, 2015 by and between THE STATE OF TENNESSEE, acting by and through its Commissioner of Transportation, (hereinafter referred to as "State") and CITY OF MORRISTOWN, TENNESSEE, CITY OF JEFFERSON CITY, TENNESSEE and TOWN OF WHITE PINE, TENNESSEE (hereinafter referred to as "Licensees").

WHEREAS, Licensees desire to use a portion of the Licensed Premises for Gateway Signs on a Wayfinding Sign project at different locations on State Routes 32 and 34 in Hamblen County, Tennessee and on State Routes 34, 92 and 341 in Jefferson County, Tennessee, or better described by the attached plans for "Wayfinding Signs, Hamblen, Jefferson County, Tennessee," Project No. STP-M-9113(20), PIN 118903.00, which are attached as Exhibit A and made a part of this License; and

WHEREAS, the State is willing to permit said use of the Licensed Premises subject to certain conditions.

NOW, THEREFORE, in consideration of the execution of this License Agreement, it is mutually agreed between the parties hereto as follows:

1. **LICENSE** – Licensees are hereby granted permission to use the Licensed Premises for Gateway Signs on a Wayfinding Sign project at different locations on State Routes 32 and 34 in Hamblen County, Tennessee and on State Routes 34, 92 and 341 in Jefferson County, Tennessee, in accordance with the attached plans for Project No. STP-M-9113(20)(hereinafter referred to as the "Improvements").
2. **USE OF LICENSED PREMISES** - Licensees shall be permitted to use the Licensed Premises for the installation and maintenance of the Improvements and subject to the stipulations below. Licensees shall not be permitted to use the Licensed Premises for any other purpose except by prior written permission of the State.
3. **FEE** – Licensees shall pay \$0 per year to the State for the use of the Licensed Premises.
4. **TERM** – The License is a 10 year, renewable, license which shall begin on July 22, 2015 and shall end on July 21, 2025.
5. **ACCESS** – The State shall provide Licensees access to the Licensed Premises at all times for the uses authorized herein.
6. **MAINTENANCE** – The costs of any maintenance and operation of the Improvements shall be at the sole expense of Licensees.

7. **TRAFFIC CONTROL** - At no time will work authorized by this license agreement interfere with the normal flow of traffic on roadways adjoining the Licensed Premises. Licensees are responsible for providing traffic control for this work zone in accordance with the requirements of the current *Manual on Uniform Traffic Control Devices*. If proper traffic control is not in place, TDOT may order Licensees to stop work until proper traffic control is put in place.
8. **DAMAGE TO STATE PROPERTY** - Licensees shall be liable for any damage to State property resulting from Licensees' (or their contractors' or agents') use of the Licensed Premises and/or installation and operation of the Improvements, including but not limited to, the roadway, shoulders, guardrail, drainage, landscaping, signs and controlled-access fences. All repair or replacement of such damage shall be made in accordance with the current TDOT Standard Specifications for Road and Bridge Construction, TDOT Standard Drawings and any other applicable design and/or construction standards or guidelines.
9. **LIABILITY** - Licensees shall assume all liability for claims arising out of conduct on the part of the Licensees for which it would be liable under the Tennessee Governmental Tort Liability Act, Tenn. Code Ann. § 29-20-101, up to the limits for which it can be held liable for such conduct under that act, arising from its use of the Licensed Premises.
10. **INSURANCE** - The Licensees, their successors and assigns, agree to maintain adequate public liability insurance which may include self insurance and will provide satisfactory evidence of such insurance to the State. Further, the liability limits of this insurance must not be less than the exposure and limits of the State's liability under the Claims Commission Statute, T.C.A. Section 9-8-307, as it may be from time to time amended and/or construed by the claims commission and courts. This statute currently limits liability of the State to \$300,000 per claimant and \$1,000,000 per occurrence. The insurance policy shall include a provision for the insurance company to notify the State in writing of any cancellation or changes of the policy at least 30 days in advance of the cancellation or change.
11. **PERMIT** - Licensees are responsible for obtaining and paying the costs of all permits, licenses or other approvals by any regulatory body having jurisdiction over the uses authorized herein.
12. **COMPLIANCE** - Should Licensees fail or neglect to comply with any term or condition of this License Agreement or to comply with written notice and demand, this License shall be subject to termination. In the event of such termination, Licensees shall immediately remove any and all of their Improvements from the licensed Premises and surrender all rights and privileges under this License Agreement.
13. **TITLE VI ASSURANCES** - The Licensees for themselves, their successors in interest and assigns, as part of the consideration hereof do hereby covenant and agree that in the event facilities are constructed, maintained, or otherwise operated on the property described in this License Agreement for a purpose for which the State or a State program or activity is extended or for another purpose involving the provision of similar services or benefits, the Licensees shall maintain and operate such facilities and services in compliance with all other requirements imposed pursuant to Title 49, Code of Federal Regulations, Part 21, Nondiscrimination in Federally Assisted Programs of the Department of Transportation - Effectuation of Title VI of the Civil Rights Act of 1964, and as said regulations shall be amended.
14. **TERMINATION** - The State may terminate this License at will with 60 days written notice to Licensees.
15. **ASSIGNMENT** - The License shall not be transferred, conveyed or assigned to another party without prior written approval from the State.



TO THE LICENSEES:

City of Morristown, Tennessee  
100 W 1<sup>st</sup> North Street  
P.O. Box 1499  
Morristown, Tennessee 37816-1499

City of Jefferson City, Tennessee  
112 City Center Drive  
P.O. Box 530  
Jefferson City, Tennessee 37760

Town of White Pine, Tennessee  
1548 Main Street  
P.O. Box 66  
White Pine, Tennessee 37890-0066

TO THE STATE:

State of Tennessee  
Department of Transportation  
Suite 700, James K. Polk Building  
505 Deaderick Street  
Nashville, Tennessee 37243-0337

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed  
the day and year first above written.

LICENSEE:  
CITY OF MORRISTOWN, TENNESSEE

BY: [Signature]  
TITLE: Mayor

DATE: 7/7/15

APPROVED AS TO FORM  
AND LEGALITY:

[Signature]  
Attorney for Licensee

DATE: 7/7/15

LICENSEE:  
CITY OF JEFFERSON CITY, TENNESSEE

BY: [Signature]  
TITLE: Mayor

DATE: 7/1/15

APPROVED AS TO FORM  
AND LEGALITY:

[Signature]  
Attorney for Licensee

DATE: 7/1/15

LICENSEE:  
TOWN OF WHITE PINE, TENNESSEE

BY: Stanley T. Wilkey  
TITLE: Mayor

DATE: 7/02/2015

APPROVED AS TO FORM  
AND LEGALITY:

[Signature]  
Attorney for Licensee

DATE: 7-7-2015

STATE OF TENNESSEE:

[Signature]  
John C. Schroer, Commissioner  
Tennessee Department of Transportation

DATE: JUL 22 2015

APPROVED AS TO FORM  
AND LEGALITY:

[Signature]  
John Reinbold, General Counsel  
Tennessee Department of Transportation

DATE: 7/16/2015



**Kimley»»Horn**  
208 Tenth Avenue South, Suite 501, Nashville, TN 37203  
Main: 615.564.2701 | [www.kimley-horn.com](http://www.kimley-horn.com)  
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DATE \_\_\_\_\_

[illegible]



GENERAL NOTES

SEEDING AND SODDING

1. ITEM NO. 801-01, SEEDING (WITH MULCH), SHALL BE USED WHERE EROSION CONTROL BLANKET OR SOD ARE NOT APPLIED.

MISCELLANEOUS

1. NOTHING IN THE GENERAL NOTES OR SPECIAL PROVISIONS SHALL RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITIES TOWARD THE SAFETY AND CONVENIENCE OF THE GENERAL PUBLIC AND THE RESIDENTS ALONG THE PROPOSED CONSTRUCTION AREA.

SIGNING

1. THE TOP OF THE SIGN FOOTINGS SHALL BE PLACED LEVEL WITH THE GROUND LINE.  
2. THE EXISTING FOOTINGS ARE TO BE REMOVED 6 INCHES BELOW GROUND LINE.

CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

3. ADVANCED WARNING SIGNS SHALL NOT BE DISPLAYED MORE THAN FORTY-EIGHT (48) HOURS BEFORE PHYSICAL CONSTRUCTION BEGINS. SIGNS MAY BE ERECTED UP TO ONE WEEK BEFORE NEEDED, IF THE SIGN FACE IS FULLY COVERED.  
4. TRAFFIC CONTROL DEVICES SHALL NOT BE DISPLAYED OR ERECTED UNLESS RELATED CONDITIONS ARE PRESENT NECESSITATING WARNING.  
5. USE OF BARRICADES, PORTABLE BARRIER RAILS, VERTICAL PANELS, AND DRUMS SHALL BE LIMITED TO THE IMMEDIATE AREAS OF CONSTRUCTION WHERE A HAZARD IS PRESENT. THESE DEVICES SHALL NOT BE STORED ALONG THE ROADWAY WITHIN THIRTY (30) FEET OF THE EDGE OF THE TRAVELED WAY BEFORE OR AFTER USE UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL INCREASE TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. THESE DEVICES SHALL BE REMOVED FROM THE CONSTRUCTION WORK ZONE WHEN THE ENGINEER DETERMINES THEY ARE NO LONGER NEEDED. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS REQUIRED SETBACK, THE CONTRACTOR SHALL DETERMINE THE ALTERNATE LOCATIONS AND REQUEST THE ENGINEER'S APPROVAL TO USE THEM.  
6. THE CONTRACTOR SHALL NOT BE PERMITTED TO PARK ANY VEHICLES OR CONSTRUCTION EQUIPMENT DURING PERIODS OF INACTIVITY, WITHIN THIRTY (30) FEET OF THE EDGE OF PAVEMENT WHEN THE LANE IS OPEN TO TRAFFIC UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL BE INCREASED TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. PRIVATELY OWNED VEHICLES SHALL NOT BE ALLOWED TO PARK WITHIN THIRTY (30) FEET OF A OPEN TRAFFIC LANE AT ANY TIME UNLESS PROTECTED AS DESCRIBED ABOVE FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL BE INCREASED TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS REQUIRED SETBACK, THE CONTRACTOR SHALL DETERMINE THE ALTERNATE LOCATIONS AND REQUEST THE ENGINEER'S APPROVAL TO USE THEM.  
7. ALL DETOUR AND CONSTRUCTION SIGNING SHALL BE IN STRICT ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

EROSION PREVENTION AND SEDIMENT CONTROL

DISTURBED AREA

1. AREAS TO BE UNDISTURBED SHALL BE CLEARLY MARKED IN THE FIELD BEFORE CONSTRUCTION ACTIVITIES BEGIN. THE TOTAL AREA TO BE DISTURBED NOT INCLUDING EXCLUSIVE BORROW/WASTE AREAS AND STAGING AREAS IS .21 ACRES. IF THE TOTAL DISTURBED AREA FOR THE PROJECT SITE (INCLUDING STAGING AND EXCLUSIVE WASTE/BORROW AREAS) INCREASES TO MORE THAN 1 ACRE, THEN THE NATURAL RESOURCES OFFICE OF THE ENVIRONMENTAL DIVISION MUST BE NOTIFIED SO THAT A SWPPP CAN BE PREPARED.  
2. PRE-CONSTRUCTION VEGETATIVE GROUND COVER SHALL NOT BE DESTROYED, REMOVED OR DISTURBED (I.E. CLEARING AND GRUBBING INITIATED) MORE THAN 15 CALENDAR DAYS (10 CALENDAR DAYS FOR SITES WITH AN ACTIVE ARAP PRIOR TO GRADING OR EARTH MOVING ACTIVITIES UNLESS THE AREA IS MULCHED, SEEDED WITH MULCH, OR OTHER TEMPORARY COVER IS INSTALLED.  
3. CLEARING, GRUBBING, AND OTHER DISTURBANCE TO RIPARIAN VEGETATION SHALL BE LIMITED TO THE MINIMUM NECESSARY FOR SLOPE CONSTRUCTION AND EQUIPMENT OPERATIONS. EXISTING VEGETATION SHOULD BE PRESERVED TO THE MAXIMUM EXTENT POSSIBLE. UNNECESSARY VEGETATION REMOVAL IS PROHIBITED.  
4. ALL DISTURBED AREAS SHALL BE PROPERLY STABILIZED AS SOON AS PRACTICABLE. PRIORITY SHALL BE GIVEN TO FINISHING OPERATIONS AND PERMANENT EPSC MEASURES OVER TEMPORARY EPSC MEASURES ON ALL PROJECTS.  
5. CONSTRUCTION SHALL BE SEQUENCED AND STAGED TO MINIMIZE THE EXPOSURE TIME OF GRADED OR DENUDED SOIL AREAS, PRESERVE TOPSOIL, AND MINIMIZE SOIL COMPACTION.

SEDIMENT CONTROL

6. EPSC MEASURES SHALL BE INSTALLED AND FUNCTIONAL PRIOR TO ANY EARTH MOVING OPERATIONS, AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.  
7. THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A PROACTIVE METHOD TO PREVENT THE OFF-SITE MIGRATION OR DEPOSIT OF SEDIMENT ON ROADWAYS USED BY THE GENERAL PUBLIC. IF SEDIMENT ESCAPES THE CONSTRUCTION SITE, OFF-SITE ACCUMULATIONS OF SEDIMENT THAT HAVE NOT REACHED A STREAM MUST BE REMOVED AT A FREQUENCY SUFFICIENT TO MINIMIZE OFF-SITE IMPACTS (E.G., FUGITIVE SEDIMENT THAT HAS ESCAPED THE CONSTRUCTION SITE AND HAS COLLECTED IN A STREET MUST BE REMOVED SO THAT IT IS NOT SUBSEQUENTLY WASHED INTO STORM SEWERS AND STREAMS BY THE NEXT RAIN AND/OR SO THAT IT DOES NOT POSE A SAFETY HAZARD TO USERS OF PUBLIC STREETS). ARRANGEMENTS CONCERNING REMOVAL OF SEDIMENT ON ADJOINING PROPERTY MUST BE SETTLED WITH THE ADJOINING PROPERTY OWNER BEFORE REMOVAL OF SEDIMENT.

STREAM/WETLAND

8. SOIL MATERIALS MUST BE PREVENTED FROM ENTERING WATERS OF THE STATE/U.S. EPSC MEASURES TO PROTECT WATER QUALITY MUST BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. APPROPRIATE EPSC MEASURES MUST BE INSTALLED ALONG THE BASE OF ALL FILLS AND CUTS, ON THE DOWNHILL SIDE OF STOCKPILED SOIL, AND ALONG STREAM BANKS IN CLEARED AREAS TO PREVENT SEDIMENT MIGRATION INTO STREAMS IN ACCORDANCE WITH TDOT STANDARDS. THEY MUST BE INSTALLED ON THE CONTOUR, ENTRENCHED AND STAKED, AND EXTEND THE WIDTH OF THE AREA TO BE CLEARED.

INSPECTION, MAINTENANCE, REPAIR

9. EPSC CONTROLS WILL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH TDOT STANDARD DRAWINGS AND GOOD ENGINEERING PRACTICES.  
10. INSPECTION, REPAIR, AND MAINTENANCE OF EPSC MEASURES/STRUCTURES IS TO BE PERFORMED ON A REGULAR BASIS. SEDIMENT SHALL BE REMOVED FROM SEDIMENT CONTROL STRUCTURES WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT (50%). DURING SEDIMENT REMOVAL, THE CONTRACTOR SHALL TAKE CARE TO ENSURE THAT STRUCTURAL COMPONENTS OF EPSC MEASURES ARE NOT DAMAGED AND THUS MADE INEFFECTIVE. IF DAMAGE DOES OCCUR, THE CONTRACTOR SHALL REPAIR THE STRUCTURES AT THE CONTRACTOR'S OWN EXPENSE.

11. SEDIMENT REMOVED FROM SEDIMENT CONTROL STRUCTURES SHALL BE PLACED AND BE TREATED IN A MANNER SO THAT THE SEDIMENT IS CONTAINED WITHIN THE PROJECT LIMITS AND DOES NOT MIGRATE INTO WATERS OF THE STATE/U.S. COST FOR THIS TREATMENT IS TO BE INCLUDED IN PRICE BID FOR ITEM NO. 209-05 SEDIMENT REMOVAL, C.Y.  
12. DISCHARGE POINTS SHALL BE INSPECTED TO ASCERTAIN WHETHER EPSC MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO SURROUNDING WATERS. WHERE DISCHARGE LOCATIONS ARE INACCESSIBLE, NEARBY DOWNSTREAM LOCATIONS SHALL BE INSPECTED. LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF-SITE ROADWAY SEDIMENT TRACKING.  
13. THE TDOT PROJECT SUPERVISOR (OR THEIR DESIGNEE) AND THE CONTRACTOR'S SITE SUPERINTENDENT ARE RESPONSIBLE FOR INSPECTIONS. MAINTENANCE AND REPAIR ACTIVITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR.  
14. EPSC MEASURES FOUND TO BE INEFFECTIVE SHALL BE REPAIRED, REPLACED, OR MODIFIED BEFORE THE NEXT RAIN EVENT, IF POSSIBLE.

MATERIALS AND STAGING

15. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND OBTAIN ANY NECESSARY ENVIRONMENTAL PERMITS OR APPROVALS, INCLUDING BUT NOT LIMITED TO ARCHAEOLOGY, ECOLOGY, HISTORICAL, HAZARDOUS MATERIALS, AIR AND NOISE, TDEC ARAP/401, USACE SECTION 404, TVA SECTION 26A, AND TDEC NPDES PERMITS, FROM FEDERAL, STATE AND/OR LOCAL AGENCIES REGARDING, ANY STAGING AREAS TO BE USED. ANY SUCH PERMITS SHALL BE SUPPLIED TO THE TDOT PROJECT RESPONSIBLE PARTY PRIOR TO THE USE OF THE PERMITTED AREAS

PERMITS, PLANS, RECORDS

16. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND OBTAIN ANY NECESSARY ENVIRONMENTAL PERMITS OR APPROVALS, INCLUDING BUT NOT LIMITED TO TDEC ARAP/401, USACE SECTION 404, TVA SECTION 26A, AND TDEC NPDES PERMITS, FROM FEDERAL, STATE AND/OR LOCAL AGENCIES REGARDING THE OPERATION OF ANY PROJECT-DEDICATED ASPHALT AND/OR CONCRETE PLANTS.  
17. ANY DISAGREEMENT BETWEEN THE PROJECT PLANS, THE PROJECT AS CONSTRUCTED, AND THE PERMIT(S) ISSUED FOR THE PROJECT, SHALL BE BROUGHT TO THE ATTENTION OF THE TDOT PROJECT RESPONSIBLE PARTY, THE ENVIRONMENTAL DIVISION, DESIGN DIVISION, AND HEADQUARTERS CONSTRUCTION OFFICE SHALL BE CONTACTED IN THESE INSTANCES AND DECIDE WHICH HAS PRECEDENCE AND WHETHER PERMIT OR PLANS REVISIONS ARE NEEDED. IN GENERAL, PERMIT CONDITIONS WILL PREVAIL.  
18. ALL PROJECT RELATED ENVIRONMENTAL PERMITS SHALL BE MAINTAINED AT OR NEAR THE PROJECT SITE.  
19. THE EPSC PLAN SHALL BE UPDATED WHENEVER EPSC INSPECTIONS INDICATE, OR WHERE STATE OR FEDERAL OFFICIALS DETERMINE EPSC MEASURES ARE PROVING INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING POLLUTANT SOURCES OR ARE OTHERWISE NOT ACHIEVING THE GENERAL OBJECTIVES OF CONTROLLING POLLUTANTS IN STORM WATER DISCHARGES ASSOCIATED WITH THE CONSTRUCTION ACTIVITY.

LITTER, DEBRIS, WASTE, PETROLEUM

20. THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A PROACTIVE METHOD TO PREVENT LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION WASTES FROM ENTERING WATERS OF THE STATE/U.S. THESE MATERIALS WILL BE PICKED UP AND REMOVED FROM STORMWATER EXPOSURE PRIOR TO ANTICIPATED STORM EVENTS. AFTER USE, MATERIALS USED FOR EPSC WILL BE REMOVED FROM THE SITE.



**Kimley»Horn**  
208 Fifth Avenue South, Suite 501, Nashville, TN 37203  
Main: 615.259.7070 Fax: 615.259.7071  
www.kimley-horn.com

**LAMTPO  
WAYFINDING**  
MORRISTOWN, HAMBLIN CO.

GENERAL NOTES

REVISIONS	DATE	BY
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

SCALE

AS SHOWN

DRAWN BY JAS

CHECKED BY CAG

DATE 04/02/12

KHA PROJECT 16095000

SHEET NUMBER G-01



DWG. NO.	REV.	DESCRIPTION
ROADWAY DESIGN STANDARDS		
RD-A-1	12-18-99	STANDARD ABBREVIATIONS

SCZ-1      07-11-13      CLEAR ZONE CRITERIA

T-S-9	06-10-14	STANDARD LAYOUT GROUND MOUNTED SIGNS
T-S-20	11-01-11	SIGNS DETAILS
T-WZ-10	04-02-12	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS
T-WZ-11	03-13-09	ONE LANE CLOSURE DETAIL ON DIVIDED HIGHWAYS
T-WZ-18	03-13-09	SHOULDER CLOSURE DETAIL FOR FREEWAYS AND DIVIDED HIGHWAYS
T-WZ-36	04-02-12	LANE CLOSURE ON LOW-VOLUME 2-LANE HIGHWAY

EC-STR-3B	8-01-12	SILT FENCE
EC-STR-39	8-01-12	CURB INLET PROTECTION TYPE 1 & 2

1. THE BASE MAPPING DEPICTED ON ALL SIGN LAYOUT SHEETS IS GEOGRAPHIC INFORMATION SYSTEMS (GIS) MAPPING PROVIDED BY THE LAMPTO. THEREFORE, THE ACCURACY OF THE BASE MAPPING IS NOT THAT OF SURVEYED MAPPING TYPICALLY USED DURING ROADWAY CONSTRUCTION PROJECTS AND SHOULD ONLY BE RELIED UPON FOR ESTABLISHING GENERAL LOCATIONS FOR EXISTING AND PROPOSED FEATURES.
2. KIMLEY-HORN AND ASSOCIATES, INC. SHALL NOT BE HELD RESPONSIBLE FOR THE ACCURACY AND/OR COMPLETENESS OF THE GIS BASE MAPPING INFORMATION SHOWN HEREIN OR ANY ERRORS OR OMISSIONS RESULTING FROM SUCH.
3. ANY WORK UNACCEPTABLE TO THE OWNER'S REPRESENTATIVE OR TO THE LOCAL GOVERNING AUTHORITY SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
4. ALL CONSTRUCTION MUST CONFORM TO THE REGULATIONS, STANDARDS, SPECIFICATIONS, AND CODES OF THE GOVERNING MUNICIPALITIES.
5. THE CONTRACTOR SHALL COORDINATE HIS ACTIVITIES WITH OTHER CONTRACTORS IN THE WORK AREA. CONFLICTS WILL BE HANDLED AT THE DISCRETION OF THE ENGINEER.
6. THE CONTRACTOR SHALL SUBMIT SIX (6) SETS OF LAYOUT/SHOP DRAWINGS OF ALL COMPONENTS TO THE ENGINEER FOR REVIEW AND APPROVAL.
7. ANY WORK DONE WITHOUT INSPECTION OR TESTING IS SUBJECT TO REMOVAL OR CORRECTION AT THE CONTRACTOR'S EXPENSE.
8. THE ENGINEER OF DESIGN SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, NOR SHALL THE ENGINEER BE REQUIRED TO SUPERVISE THE CONDUCT OF THE WORK OR THE CONSTRUCTION PROCEDURES AND SAFETY PROCEDURES FOLLOWED BY THE CONTRACTOR OR THE SUBCONTRACTOR OR THEIR RESPECTIVE EMPLOYEES OR BY ANY OTHER PERSON AT THE JOB SITE OTHER THAN THAT OF THE ENGINEER'S EMPLOYEES.
9. THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THE REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER AND ENGINEER HARMLESS OF ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
10. THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES AND OBTAIN AND PROVIDE ALL NECESSARY PERMITS AT NO COST TO THE OWNER OR ENGINEER.
11. THE CONTRACTOR SHALL NOT BE ALLOWED TO STOCKPILE CONSTRUCTION MATERIALS OF EQUIPMENT WITHIN THE CLEAR ZONE (40 FT. FROM THE EOTW) UNLESS SHIELDED BY APPROPRIATE BARRIER SYSTEM.
12. IT SHOULD BE NOTED THAT NO SOIL BORING INFORMATION IS PROVIDED.
13. THE CONTRACTOR SHALL PERFORM ALL QUANTITY TAKEOFFS REQUIRED FOR BIDDING AND CONSTRUCTION OF THIS PROJECT. KIMLEY-HORN AND ASSOCIATES, INC. ACCEPTS NEITHER RESPONSIBILITY NOR LIABILITY FOR QUANTITY TAKEOFFS PERFORMED FOR THIS PROJECT.

1. ALL SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH 2009 EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES SECTION 2A.16 AND TDOT STANDARD DRAWINGS T-S-9 AND T-S-16, WHICHEVER IS MORE RESTRICTIVE TAKES PRECEDENCE
2. ALL NON-BREAKAWAY SIGNS, INCLUDING ALL GATEWAY SIGNS, SHALL BE PLACED OUTSIDE OF THE CLEAR ZONE, PER TDOT STANDARD DRAWING S-CZ-1, OR AT A MINIMUM LATERAL CLEARANCE DISTANCE OF 30 FEET FROM THE NEAREST TRAFFIC LANE, WHICHEVER IS GREATER.
3. THE LOCATION OF ALL PROPOSED SIGNS TO BE INSTALLED SHALL BE CONSIDERED TO BE APPROXIMATE. ADJUSTMENTS MAY BECOME NECESSARY. VARIATIONS FROM PROPOSED LOCATIONS MUST BE APPROVED BY THE ENGINEER.
4. THE CONTRACTOR SHALL STAKE ALL POLE LOCATIONS AND RECEIVE APPROVAL FROM THE ENGINEER AND THE TDOT REGIONAL CONSTRUCTION OFFICE PRIOR TO INSTALLATION OR CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE THE ENGINEER 14 DAYS FOR APPROVAL OF STAKED SIGN LOCATIONS.

1. CONTACT ALL UTILITY AUTHORITIES WHO HAVE ASSETS WITHIN THE PROJECT LIMITS BEFORE STARTING TO WORK. TN ONE CALL: 1-800-351-1111.
2. CARE SHALL BE TAKEN TO PROTECT ANY UTILITIES, TREES, ETC. WHICH ARE TO REMAIN AND NOT BE DISTURBED BY THE CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES TO SUCH PROPERTY.
3. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
4. IF THE CONTRACTOR DAMAGES ANY EXISTING UTILITIES DURING CONSTRUCTION, HE SHALL, AT HIS OWN EXPENSE, REPLACE OR REPAIR THE UTILITIES TO ORIGINAL CONDITION AND QUALITY AS APPROVED BY THE OWNER AND REPRESENTATIVE OF THE APPROPRIATE UTILITY COMPANY.

1. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN AND/OR DETOUR PLAN TO THE PROJECT ENGINEER, THE LOCAL MUNICIPALITY AND TDOT AND ALLOW 14 DAYS FOR REVIEW. ALL TEMPORARY LANE CLOSURES, TRAFFIC CONTROL, ETC. SHALL BE DONE IN COMPLIANCE WITH TDOT AND THE LOCAL MUNICIPALITIES REQUIREMENTS. THE CONTRACTOR SHALL NOTIFY THE LOCAL MUNICIPALITY AND TDOT 24 HOURS IN ADVANCE OF ANY LANE OR ROAD CLOSURES AND SHALL NOT IMPLEMENT TRAFFIC CONTROL WITHOUT PRIOR APPROVAL FROM THE LOCAL MUNICIPALITY AND TDOT.
2. ALL WORK ZONE TRAFFIC CONTROL SIGNING SHALL BE IN STRICT ACCORDANCE WITH 2009 EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
3. TRAFFIC CONTROLS AND OTHER WARNING DEVICES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY WORK ON CITY, COUNTY, OR TENNESSEE DEPARTMENT OF TRANSPORTATION ROADS. THEY SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION AND SHALL REMAIN IN PLACE UNTIL THE CONCLUSION OF ALL WORK.

1. ONLY ITEMS SPECIFICALLY NOTED TO BE DEMOLISHED SHALL BE REMOVED FROM THE SITE.
2. ALL DEMOLISHED ITEMS SHALL BE RETURNED TO THE TDOT REGION 1 HIGHWAY SIGN SHOP, OR OTHERWISE DISPOSED OF AS DIRECTED BY TDOT REGION 1. THE COST OF DISPOSAL SHALL BE INCLUDED IN THE COST OF OTHER ITEMS.



**Kimley»»Horn**  
206 Teah Avenue South, Suite 501, Nashville, TN 37203  
Main 615.564.2701 | [www.kimley-horn.com](http://www.kimley-horn.com)  
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LAMTPO  
WAYFINDING  
MORRISTOWN, HAMBLIN CO.

## SPECIAL NOTES

REVISIONS		DATE	BY
No			
SCALE	AS SHOWN		
DRAWN BY	EAC		
CHECKED BY	JMS		
DATE	04/20/12 E		

KWA PROJECT  
 18035000  
 SHEET NUMBER

G-02



### EROSION PREVENTION AND SEDIMENT CONTROL

1. A SPECIFIC EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLAN IS NOT PROVIDED. SEE SHEET S-12 FOR TYPICAL EPSC DETAILS. THESE TYPICAL DETAILS SHALL BE USED AT LOCATIONS AS SPECIFIED BY THE ENGINEER BASED ON THE LOCATION, SIZE AND DURATION OF ANY DISTURBED AREA. HOWEVER, IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE EFFECTIVE AND CONTINUOUS EPSC IN ALL PHASES OF CONSTRUCTION.
2. SEPARATE PAYMENT WILL ONLY BE MADE FOR THE EPSC ITEMS LISTED IN THE ESTIMATED QUANTITIES. ANY ADDITIONAL EROSION PREVENTION AND SEDIMENT CONTROL ITEMS NEEDED TO PROVIDE EFFECTIVE EPSC SHALL BE CONSIDERED INCIDENTAL AND SHALL BE INCLUDED IN THE COST OF OTHER ITEMS.
3. ALL DISTURBED AREAS INCLUDING STRUCTURE FOUNDATION LOCATIONS SHALL BE DRESSED AND EITHER SODDED, SEEDED WITH MULCH, OR SEEDED WITH EROSION CONTROL BLANKET. SPECIFIC TYPE OF VEGETATIVE MEASURES SHALL BE APPROVED BY THE ENGINEER.
4. ANY AREA THAT IS DISTURBED OUTSIDE LIMITS OF CONSTRUCTION DURING THE LIFE OF THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.
5. A BUFFER ALONG WETLANDS AND SINKHOLES WILL BE MAINTAINED SO AS TO NOT DISTURB THESE AREAS.
6. BEFORE CONSTRUCTION BEGINS, COORDINATION WITH TDOT ECOLOGY STAFF IS REQUIRED TO FENCE AND/OR MARK OFF ALL ENVIRONMENTALLY SENSITIVE AREAS TO ENSURE ALL ENVIRONMENTAL FEATURES ARE PROPERLY PROTECTED DURING CONSTRUCTION. THE ENVIRONMENTAL FEATURES ARE NOT TO BE IMPACTED OR DISTURBED.
7. DUE TO THE NATURE OF THIS PROJECT, IT IS IMPRACTICAL TO INSTALL A RAIN GAUGE AT EVERY MILE OF THIS PROJECT. THEREFORE, THE RAIN GAUGE SHALL BE A FLOATING RAIN GAUGE THAT MOVES AS THE PROJECT PROGRESSES. THE RAINFALL AMOUNT, ESTIMATED DURATION AND FORECASTED PERCENTAGE OF PRECIPITATION WILL BE BASED ON THE INFORMATION AVAILABLE FROM THIS FLOATING RAIN GAUGE. THIS INFORMATION WILL BE RECORDED DAILY AND PROVIDED TO THE ENGINEER ON A MONTHLY BASIS.
8. CATCH BASIN PROTECTION TYPES D AND E SHALL BE USED AT THE ENGINEER'S DISCRETION WHERE RUNOFF FROM A FOUNDATION LOCATION MAY BE NEAR AN EXISTING CATCH BASIN.

**NPDES**

1. NO WORK SHALL BE STARTED UNTIL THE CONTRACTOR'S PLAN FOR THE STAGING OF THEIR OPERATIONS, INCLUDING THE PLAN FOR STAGING OF TEMPORARY AND PERMANENT EPSC MEASURES, HAS BEEN ACCEPTED BY THE ENGINEER. THE CONTRACTOR'S EPSC PLAN SHALL INCORPORATE AND SUPPLEMENT, AS ACCEPTABLE, THE BASIC EPSC DEVICES ON THE EPSC PLAN CONTAINED IN THE APPROVED SWPPP.
2. THE EPSC MEASURES AND/OR PLAN SHALL BE MODIFIED AS NECESSARY SO THAT THEY ARE EFFECTIVE AT ALL TIMES THROUGHOUT THE COURSE OF THE PROJECT.
3. THE ACCEPTED EPSC PLAN SHALL REQUIRE THAT EPSC MEASURES BE IN PLACE BEFORE CLEARING, GRUBBING, EXCAVATION, GRADING, CUTTING OR FILLING OCCURS, EXCEPT AS SUCH WORK MAY BE NECESSARY TO INSTALL EPSC MEASURES, INCLUDING WITHOUT LIMITATION AS FOLLOWS:
  - a. INITIAL CLEARING AND GRUBBING SHALL BE LIMITED TO THAT NECESSARY FOR THE INSTALLATION OF APPLICABLE EPSC MEASURES IN ACCORDANCE WITH THE ACCEPTED EPSC PLAN.
  - b. NO OTHER CLEARING AND GRUBBING OPERATIONS SHALL BE STARTED BEFORE APPLICABLE EPSC MEASURES ARE IN PLACE IN ACCORDANCE WITH THE ACCEPTED EPSC PLAN.
  - c. NO GRADING, EXCAVATION, CUTTING, FILLING, OR OTHER EARTHWORK SHALL BE STARTED BEFORE EPSC MEASURES ARE IN PLACE IN ACCORDANCE WITH THE ACCEPTED EPSC PLAN.
4. PERMANENT EPSC MEASURES SHALL BE INITIATED WITHIN 14 CALENDAR DAYS AFTER FINAL GRADING OF ANY SEQUENCE OR PHASE. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED WITHIN 14 CALENDAR DAYS AFTER FINAL GRADING OR WHEN CONSTRUCTION ACTIVITIES ON A PORTION OF THE SITE ARE TEMPORARILY CEASED AND EARTH DISTURBING ACTIVITIES WILL NOT RESUME UNTIL AFTER 14 CALENDAR DAYS. PERMANENT STABILIZATION WITH PERENNIAL VEGETATION OR OTHER PERMANENTLY STABLE NON-ERODING SURFACE SHALL REPLACE ANY TEMPORARY MEASURES AS SOON AS PRACTICABLE. UNPACKED GRAVEL CONTAINING FINES (SILT AND CLAY SIZED PARTICLES) OR CRUSHER-RUN WILL NOT BE CONSIDERED A NON-ERODIBLE SURFACE.
5. STEEP SLOPES (A NATURAL OR CREATED SLOPE OF 35% GRADE (2.8H:1V) OR GREATER REGARDLESS OF HEIGHT) SHALL BE TEMPORARILY STABILIZED NO LATER THAN 7 CALENDAR DAYS AFTER CONSTRUCTION ACTIVITY ON THE SLOPE HAS TEMPORARILY OR PERMANENTLY CEASED.
6. EXCEPT AS OTHERWISE SPECIFIED, THERE ARE NO KNOWN SPECIAL ENVIRONMENTAL FACTORS PRESENT ON THIS PROJECT THAT INDICATE A NEED FOR SEASONAL LIMITATIONS ON THE CLEARING, GRUBBING, EXCAVATION, GRADING, CUTTING OR FILLING OPERATIONS OR ON THE TOTAL AREA OF EXPOSED SOIL.

**FABRICATION AND CONSTRUCTION NOTES**  
**PERFORMANCE REQUIREMENTS**

1. STRUCTURAL PERFORMANCE: PROVIDE POST AND PANEL SIGNS CAPABLE OF WITHSTANDING THE EFFECTS OF GRAVITY LOADS AND THE FOLLOWING LOADS AND STRESSES WITHIN LIMITS AND UNDER CONDITIONS INDICATED:
2. WIND LOADS: TO BE DETERMINED BY SIGN FABRICATOR/ INSTALLER.
3. THERMAL MOVEMENTS: PROVIDE POST AND PANEL SIGNS THAT ALLOW FOR THERMAL MOVEMENTS RESULTING FROM THE FOLLOWING MAXIMUM CHANGE (RANGE) IN AMBIENT AND SURFACE TEMPERATURES BY PREVENTING BUCKLING, OPENING OF JOINTS, OVERSTRESSING OF COMPONENTS, FAILURE OF CONNECTIONS, AND OTHER DETRIMENTAL EFFECTS. BASE ENGINEERING CALCULATION ON SURFACE TEMPERATURES OF MATERIALS DUE TO BOTH SOLAR HEAT GAIN AND NIGHTTIME-SKY HEAT LOSS.
4. TEMPERATURE CHANGE (RANGE): 120 DEG. F (67 DEG. C), AMBIENT; 180 DEG. F (100 DEG. C), MATERIAL SURFACES.

## SUBMITTALS

1. PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED.
2. SHOP DRAWINGS: SHOW FABRICATION AND INSTALLATION DETAILS FOR ALL SIGN TYPES. INCLUDE SECTIONS, DETAILS, AND ATTACHMENTS TO OTHER WORK. INCLUDE A REPRESENTATIVE SAMPLE OF GRAPHIC SYMBOLS REQUIRED IN EACH PANEL. SHOW GRAPHIC STYLE, COLORS, FINISHES, TYPE STYLES, AND GRAPHIC SYMBOL.
3. SIGN SCHEDULE: USE SAME DESIGNATIONS INDICATED ON DRAWINGS.
4. CONSTRUCTION SCHEDULE

## QUALITY ASSURANCE

1. INSTALLER QUALIFICATIONS: AN EMPLOYER OF WORKERS TRAINED AND APPROVED BY MANUFACTURER.
2. FABRICATOR/INSTALLER QUALIFICATIONS: SHOP THAT EMPLOYS SKILLED WORKERS WHO CUSTOM-FABRICATE PRODUCTS SIMILAR TO THOSE REQUIRED FOR THIS PROJECT AND WHOSE PRODUCTS HAVE A RECORD OF SUCCESSFUL IN-SERVICE PERFORMANCE.

## PROJECT CONDITIONS

1. WEATHER LIMITATIONS: PROCEED WITH INSTALLATION ONLY WHEN EXISTING WEATHER CONDITIONS PERMIT INSTALLATION OF SIGNS TO BE PERFORMED ACCORDING TO MANUFACTURERS' WRITTEN INSTRUCTIONS AND WARRANTY REQUIREMENTS.
2. FIELD MEASUREMENTS: INDICATE MEASUREMENTS ON SHOP DRAWINGS ILLUSTRATING CONFORMANCE OF EACH SIGN TO MUTCD REQUIRED OFFSETS AND LOCATIONS.

## COORDINATION

1. COORDINATE INSTALLATION OF ANCHORAGES FOR POST AND PANEL/ PYLON SIGNAGE. FURNISH SETTING DRAWINGS, TEMPLATES, AND DIRECTIONS FOR INSTALLING ANCHORAGES AND OTHER ITEMS THAT ARE TO BE EMBEDDED IN CONCRETE.

## WARRANTY

1. SPECIAL WARRANTY MANUFACTURER'S STANDARD FORM IN WHICH MANUFACTURER AGREES TO REPAIR OR REPLACE COMPONENTS OF POST AND PANEL SIGNS THAT FAIL IN MATERIALS OR WORKMANSHIP WITHIN SPECIFIED WARRANTY PERIOD. FAILURES INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
2. DETERIORATION OF METAL FINISHES BEYOND NORMAL WEATHERING.
3. DETERIORATION OF EMBEDDED GRAPHIC IMAGE COLORS AND SIGN LAMINATION.
4. WARRANTY PERIOD: FIVE YEARS FROM DATE OF SUBSTANTIAL COMPLETION.

## MATERIALS

1. AS INDICATED PER SPECIFIC SIGN TYPES.
2. FOR STEEL EXPOSED TO VIEW ON COMPLETION. PROVIDE MATERIALS HAVING FLAT, SMOOTH SURFACES WITHOUT BLEMISHES. DO NOT USE MATERIALS WHOSE SURFACES EXHIBIT PITTING. SEAM MARKS, ROLLER MARKS, ROLLED TRADE NAMES, OR ROUGHNESS.
3. COLOR: AS SELECTED BY ARCHITECT/DESIGNER FROM MANUFACTURER'S FULL RANGE.

## PANEL SIGNS

1. PROVIDE SMOOTH SIGN PANEL SURFACES CONSTRUCTED TO REMAIN FLAT UNDER INSTALLED CONDITIONS WITHIN A TOLERANCE OF PLUS OR MINUS 1/16 INCH (1.5 MM) MEASURED DIAGONALLY FROM CORNER TO CORNER. COORDINATE DIMENSIONS AND ATTACHMENT METHODS TO PRODUCE MESSAGE PANELS WITH CLOSELY FITTING JOINTS. ALIGN EDGES AND SURFACES WITH ONE ANOTHER IN THE RELATIONSHIP INDICATED. INCREASE METAL THICKNESS OR REINFORCE WITH CONCEALED STIFFENERS OR BACKING MATERIALS AS NEEDED TO PRODUCE SURFACES WITHOUT DISTORTION, BUCKLES, WARP, OR OTHER SURFACE DEFORMATIONS. CONTINUOUSLY WELD JOINTS AND SEAMS UNLESS OTHER METHODS ARE INDICATED; GRIND, FILL, AND DRESS WELDS TO PRODUCE SMOOTH, FLUSH, EXPOSED SURFACES WITH WELDS INVISIBLE AFTER FINAL FINISHING. SEE DIFFERENT SIGN TYPES FOR MATERIAL SPECIFICATIONS.



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MORRISTOWN, HAMBLIN CO.

SPECIAL NOTES

[illegible]



FABRICATION AND CONSTRUCTION NOTES

POSTS

- 1. GENERAL: FABRICATE POLES TO LENGTHS REQUIRED FOR MOUNTING METHOD INDICATED.
- 2. DIRECT-BURIAL METHOD: PROVIDE POLES 36 INCHES (910 MM) LONGER THAN HEIGHT OF SIGN TO PERMIT DIRECT EMBEDMENT IN CONCRETE FOUNDATIONS.
- 3. BASEPLATE METHOD: PROVIDE POLES WITH BASEPLATES, FLANGES, OR OTHER FITTINGS, WELDED TO BOTTOM OF POLES. DRILL HOLES IN BASEPLATE FOR ANCHOR-BOLT CONNECTION. PROVIDE ANCHOR BOLTS OF SIZE REQUIRED FOR CONNECTING POLES TO CONCRETE FOUNDATIONS.
- 4. REVERSE SLEEVE METHOD: PROVIDE INSERTS RECOMMENDED BY MANUFACTURER, SIZED FOR CLOSE FIT INSIDE POLES. SIZE INSERTS FOR DIRECT EMBEDMENT IN CONCRETE FOUNDATIONS AND TO ATTACH SIGN POLES SECURELY AND PREVENT SIGN FROM OVERTURNING WHEN SUBJECTED TO NORMAL LOADING CONDITIONS PREVAILING AT PROJECT SITE, BUT NOT LESS THAN 1/3 OF POLE HEIGHT PLUS 36 INCHES (910 MM) FOR EMBEDMENT. DRILL POLES AND INSERTS FOR THROUGH-BOLTS FOR FASTENING THEM TOGETHER. PROVIDE BOLTS FOR FASTENING POLES TO INSERTS.
- 5. ALUMINUM POSTS: MANUFACTURER'S STANDARD EXTRUDED-ALUMINUM TUBING, WALL THICKNESS AS REQUIRED TO SUPPORT SIGN WITH 80 MPH WINDLOAD FACTORS, WITH VERTICAL SLOTS TO ENGAGE SIGN PANELS. PROVIDE STOP BLOCKS IN SLOTS TO HOLD PANELS IN POSITION. INCLUDE POLE CAPS, FILLERS, SPACERS, AND RELATED ACCESSORIES REQUIRED FOR COMPLETE INSTALLATION.
- 6. SQUARE POSTS: AS INDICATED.
- 7. ROUNDED-END POSTS: AS INDICATED.
- 8. BEVELED-CORNER POSTS: AS INDICATED.
- 9. POST FINISH: AS INDICATED.
- 10. COLOR: AS INDICATED.
- 11. STEEL POSTS: AS INDICATED.
- 12. POST SIZE: AS INDICATED.
- 13. POST FINISH: AS INDICATED.
- 14. COLOR: AS INDICATED.

ACCESSORIES

- 1. ANCHORS AND INSERTS: PROVIDE NONFERROUS-METAL OR HOT-DIP GALVANIZED ANCHORS AND INSERTS FOR EXTERIOR INSTALLATIONS AND ELSEWHERE AS REQUIRED FOR CORROSION RESISTANCE. USE TOOTHED STEEL OR LEAD EXPANSION-BOLT DEVICES FOR DRILLED IN-PLACE ANCHORS. FURNISH INSERTS, AS REQUIRED, TO BE SET INTO CONCRETE OR MASONRY WORK.

FABRICATION

- 1. GENERAL: PROVIDE MANUFACTURER'S STANDARD POST AND PANEL SIGNS OF CONFIGURATIONS INDICATED.
- 2. WELDED CONNECTIONS: COMPLY WITH AWS STANDARDS FOR RECOMMENDED PRACTICES IN SHOP WELDING. PROVIDE WELDS BEHIND FINISHED SURFACES WITHOUT DISTORTION OR DISCOLORATION OF EXPOSED SIDE. CLEAN EXPOSED WELDED SURFACES OF WELDING FLUX AND DRESS EXPOSED AND CONTACT SURFACES. MILL JOINTS TO TIGHT, HAIRLINE FIT. FORM JOINTS EXPOSED TO WEATHER TO EXCLUDE WATER PENETRATION. PREASSEMBLE SIGNS IN THE SHOP TO GREATEST EXTENT POSSIBLE. DISASSEMBLE SIGNS ONLY AS NECESSARY FOR SHIPPING AND HANDLING LIMITATIONS. CLEARLY MARK UNITS FOR REASSEMBLY AND INSTALLATION IN LOCATION NOT EXPOSED TO VIEW AFTER FINAL ASSEMBLY. CONCEAL FASTENERS IF POSSIBLE; OTHERWISE, LOCATE FASTENERS WHERE THEY SHALL BE INCONSPICUOUS.

FINISHES, GENERAL

- 1. COMPLY WITH NAAMM'S "METAL FINISHES MANUAL FOR ARCHITECTURAL AND METAL PRODUCTS" FOR RECOMMENDATIONS FOR APPLYING AND DESIGNATING FINISHES. PROTECT MECHANICAL FINISHES ON EXPOSED SURFACES FROM DAMAGE BY APPLYING A STRIPPABLE, TEMPORARY PROTECTIVE COVERING BEFORE SHIPPING.
- 2. APPEARANCE OF FINISHED WORK: VARIATIONS IN APPEARANCE OF ABUTTING OR ADJACENT PIECES ARE ACCEPTABLE IF THEY ARE WITHIN ONE-HALF OF THE RANGE OF APPROVED SAMPLES. NOTICEABLE VARIATIONS IN THE SAME PIECE ARE NOT ACCEPTABLE. VARIATIONS IN APPEARANCE OF OTHER COMPONENTS ARE ACCEPTABLE IF THEY ARE WITHIN THE RANGE OF APPROVED SAMPLES AND ARE ASSEMBLED OR INSTALLED TO MINIMIZE CONTRAST.

EXECUTION

- 1. EXAMINE SUBSTRATES, AREAS, AND CONDITIONS, WITH INSTALLER PRESENT, FOR COMPLIANCE WITH REQUIREMENTS FOR INSTALLATION TOLERANCES AND OTHER CONDITIONS AFFECTING PERFORMANCE OF WORK. VERIFY THAT ITEMS, INCLUDING ANCHOR INSERTS, ARE SIZED AND LOCATED TO ACCOMMODATE SIGNS. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

INSTALLATION

- 1. EXCAVATION: EXCAVATE FOR SIGN FOUNDATION TO ELEVATIONS AND DIMENSIONS INDICATED. RECONSTRUCT SUB-GRADE THAT IS NOT FIRM, UNDISTURBED, OR COMPACTED SOIL, OR THAT IS DAMAGED BY FREEZING TEMPERATURES, FROST, RAIN, ACCUMULATED WATER, OR CONSTRUCTION ACTIVITIES BY EXCAVATING A FURTHER 12 INCHES (300 MM), BACKFILLING WITH SATISFACTORY SOIL, AND COMPACTING TO ORIGINAL SUBGRADE ELEVATION.
- 2. BASEPLATE MOUNTING METHOD: EXCAVATE HOLE DEPTHS APPROXIMATELY 39 INCHES (990 MM) BELOW FINISHED GRADE. SET ANCHOR BOLTS AND OTHER EMBEDDED ITEMS REQUIRED FOR INSTALLATION OF SIGNS. USE TEMPLATES FURNISHED BY SUPPLIERS OF ITEMS TO BE ATTACHED. PROTECT PORTION OF POLES ABOVE GROUND FROM CONCRETE SPLATTER. LOCATE SIGNS AND ACCESSORIES WHERE INDICATED, USING MOUNTING METHODS OF TYPES DESCRIBED AND COMPLYING WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. INSTALL SIGNS LEVEL, PLUMB, AND AT HEIGHTS INDICATED, WITH SIGN SURFACES FREE OF DISTORTION AND OTHER DEFECTS IN APPEARANCE.
- 3. MECHANICAL FASTENERS: USE NON-REMOVABLE MECHANICAL FASTENERS PLACED THROUGH PRE-DRILLED HOLES. ATTACH SIGNS WITH FASTENERS AND ANCHORS SUITABLE FOR SECURE ATTACHMENT TO SUBSTRATE AS RECOMMENDED IN WRITING BY SIGN MANUFACTURER.

CLEANING AND PROTECTION

- 1. AFTER INSTALLATION, CLEAN SOILED SIGN SURFACES ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS. PROTECT SIGNS FROM DAMAGE UNTIL ACCEPTANCE BY OWNER.



SPECIAL NOTES

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WAYFINDING  
MORRISTOWN, HAMBLIN CO.

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REVISIONS		DATE	BY
No.			
SCALE	AS SHOWN		
DESIGNED BY	BAG		
DRAWN BY	JAG		
CHECKED BY	ZJD		
DATE	10/28/2018		
IOWA PROJECT 18055000			
SHEET NUMBER G-04			

ESTIMATED QUANTITIES

Footnote	Item No.	Item Description	Unit	Quantity
1	201-01.03	CLEARING AND GRUBBING	ACRE	0.21
2	209-03.21	FILTER SOCK (12 INCH)	LF	450
2	209-08.03	TEMPORARY SILT FENCE (WITHOUT BACKING)	LF	450
2	209-09.01	SANDBAGS	EA	90
2	209-09.41	CURB INLET PROTECTION (TYPE 2)	EA	18
2	209-20.03	POLYETHYLENE SHEETING (6 MIL. MINIMUM)	SY	90
3	712-01	TRAFFIC CONTROL	LS	1
4	713-15.36	REMOVE SIGN, SUPPORT & FOOTING	EA	16
5	713-16.20	SIGNS (G1.1: GATEWAY SIGN)	EA	8
5	713-16.21	SIGNS (G3: GATEWAY SIGN)	EA	1
5	713-16.22	SIGNS (D1.1: SINGLE SIDED SIGN)	EA	29
5	713-16.23	SIGNS (D1.1A: SINGLE SIDED SIGN)	EA	5
6	717-01	MOBILIZATION	LS	1
2, 7	801-01	SEEDING (WITH MULCH)	UNIT	1
2	805-12.02	EROSION CONTROL BLANKET (TYPE II)	SY	90

- 1
- THIS ITEM NUMBER INCLUDES THE REMOVAL OF ANY DOWNED TREE LIMBS. FOR THIS ITEM 100 SF WILL BE INCLUDED FOR D1.1, D1.1A, AND G3 SIGNS, AND 625 SF WILL BE INCLUDED FOR G1.1 SIGNS.
- 2
- REFER TO EROSION PREVENTION AND SEDIMENT CONTROL NOTES ON SHEET G-02. THESE PAY ITEMS SHALL ONLY BE USED WHERE INDICATED BY THE ENGINEER.
- 3
- THIS ITEM NUMBER SHALL INCLUDE ALL TRAFFIC CONTROL ACTIVITIES AND DEVICES THAT WILL BE REQUIRED THROUGHOUT THE LIFE OF THE PROJECT AS DESCRIBED ON THE SPECIAL NOTES ON SHEET G-01 AND AS DETERMINED BY THE ENGINEER.
- 4
- THIS ITEM SHALL INCLUDE THE COMPLETE REMOVAL AND/OR RELOCATION OF EXISTING SIGNS AS INDICATED ON THE PLAN SHEETS.
- 5
- THIS ITEM SHALL INCLUDE THE COMPLETE FABRICATION AND INSTALLATION OF SIGNAGE AS DESCRIBED IN SHEETS G-02, G-03, AND D-01 THROUGH D-08.
- 6
- THE MOBILIZATION ITEM NUMBER IS PROJECT INCLUSIVE AND IS NOT BROKEN DOWN INTO INDIVIDUAL SITES.
- 7
- THIS PAY ITEM SHALL INCLUDE WATERING.



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ESTIMATED QUANTITIES

REVISIONS	DATE	BY

SCALE	AS SHOWN
DRAWN BY	BJD
CHECKED BY	BJD
DATE	06/02/2018
PROJECT	18025000
SHEET NUMBER	G-05





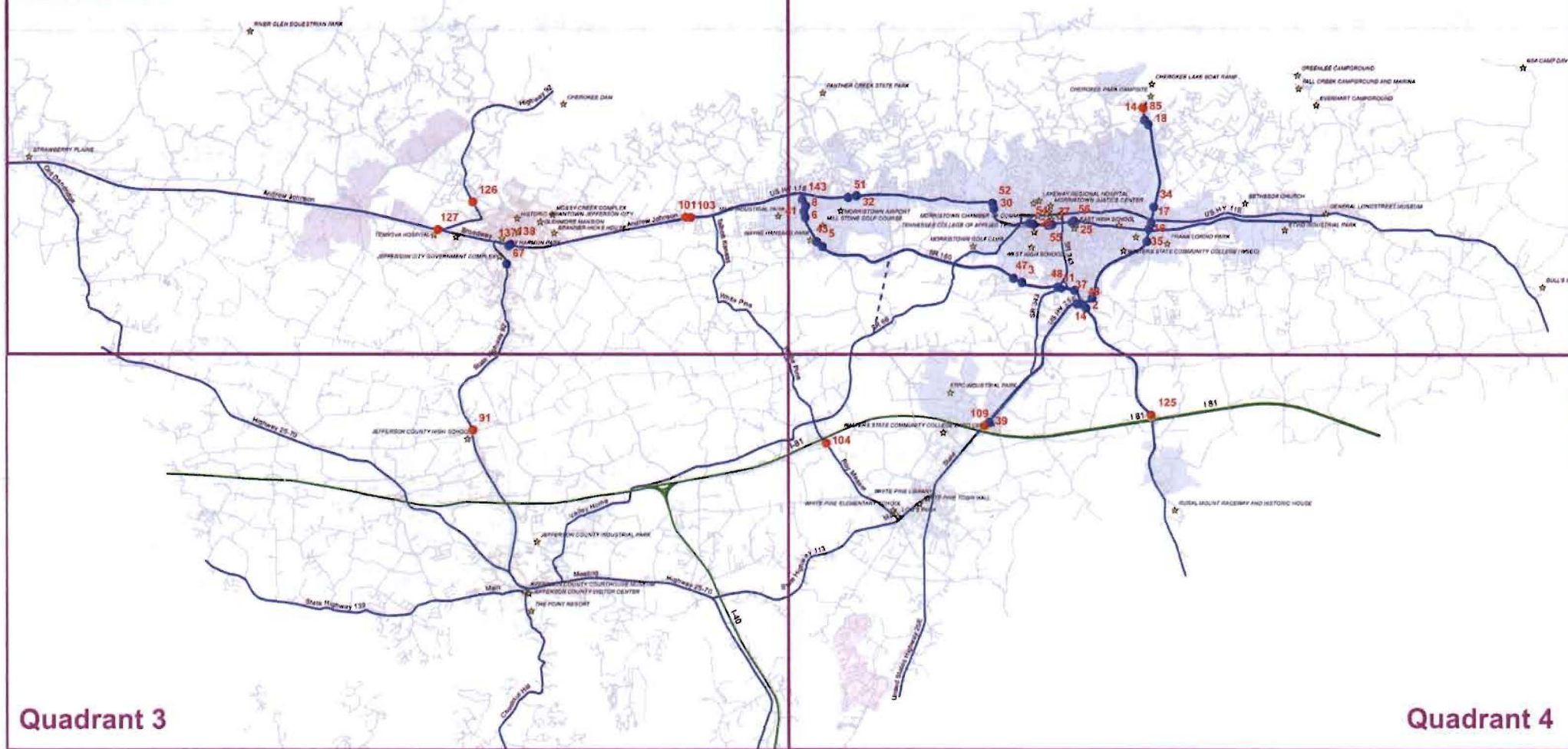
### Legend

- Gateway Sign
- Standard Sign
- ★ Destination
- Interstate Route
- Primary Route
- - - Proposed Route
- Other Route
- Jefferson City
- White Pine
- Dandridge
- New Market
- Baneberry
- Morristown

123 - Sign Indicator Number

Quadrant 2

Quadrant 1



Quadrant 3

Quadrant 4

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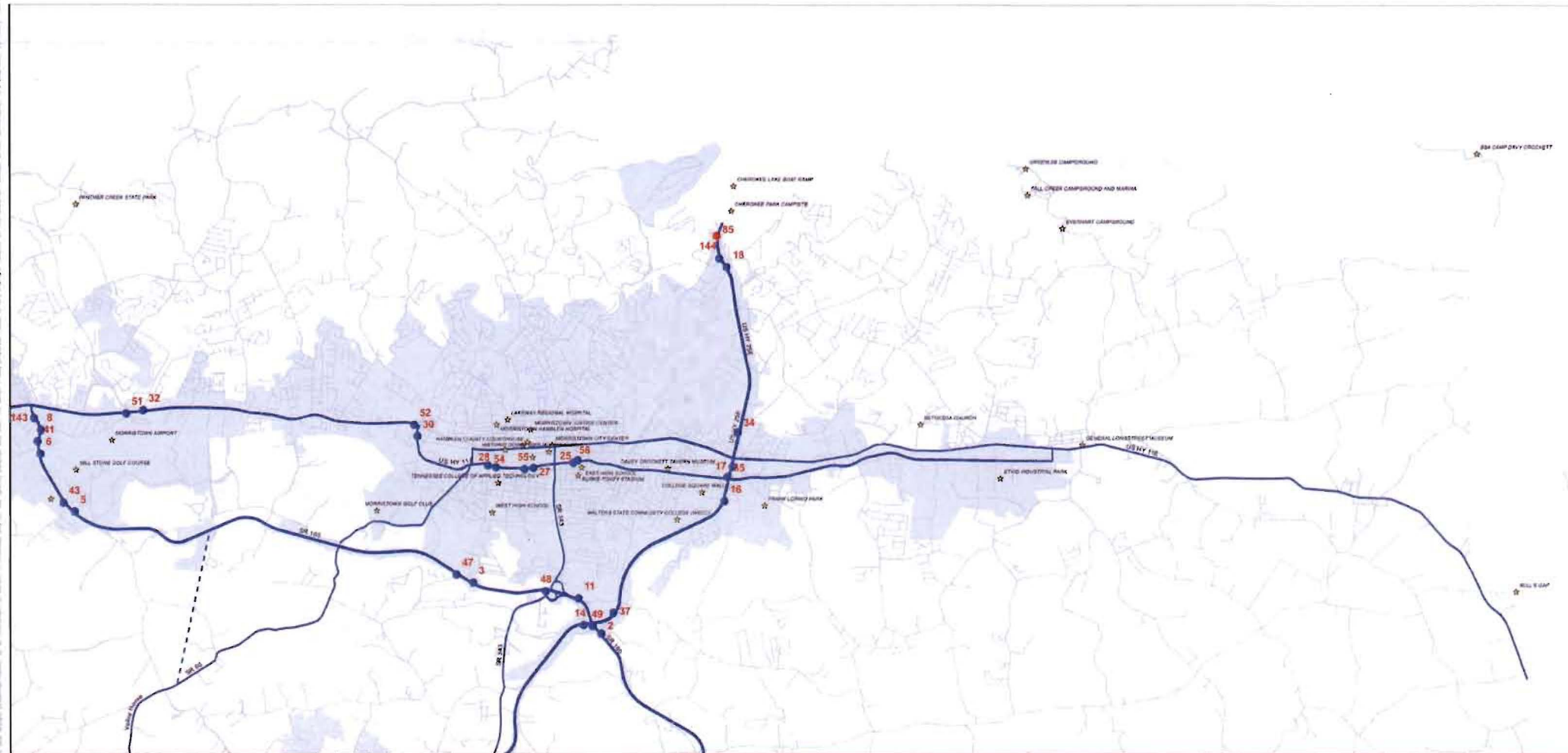
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OVERALL AREA MAP

REVISIONS		DATE	BY
No.			

- 123 - Sign Indicator Number**



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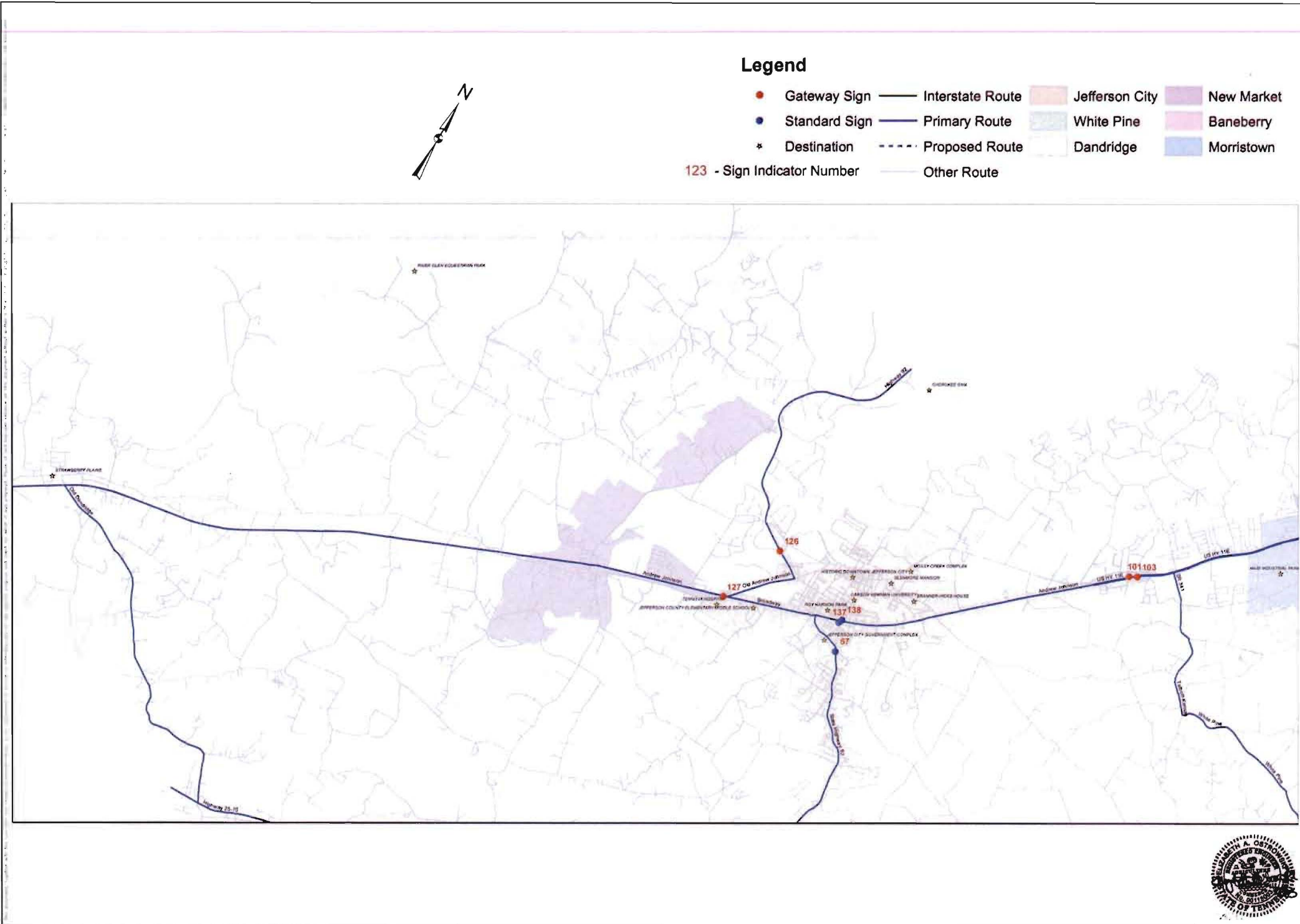
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QUADRANT 1

[illegible]





# Legend

- Gateway Sign
- Standard Sign
- Destination
- Interstate Route
- Primary Route
- Proposed Route
- Other Route
- Jefferson City
- White Pine
- Dandridge
- New Market
- Baneberry
- Morristown

123 - Sign Indicator Number

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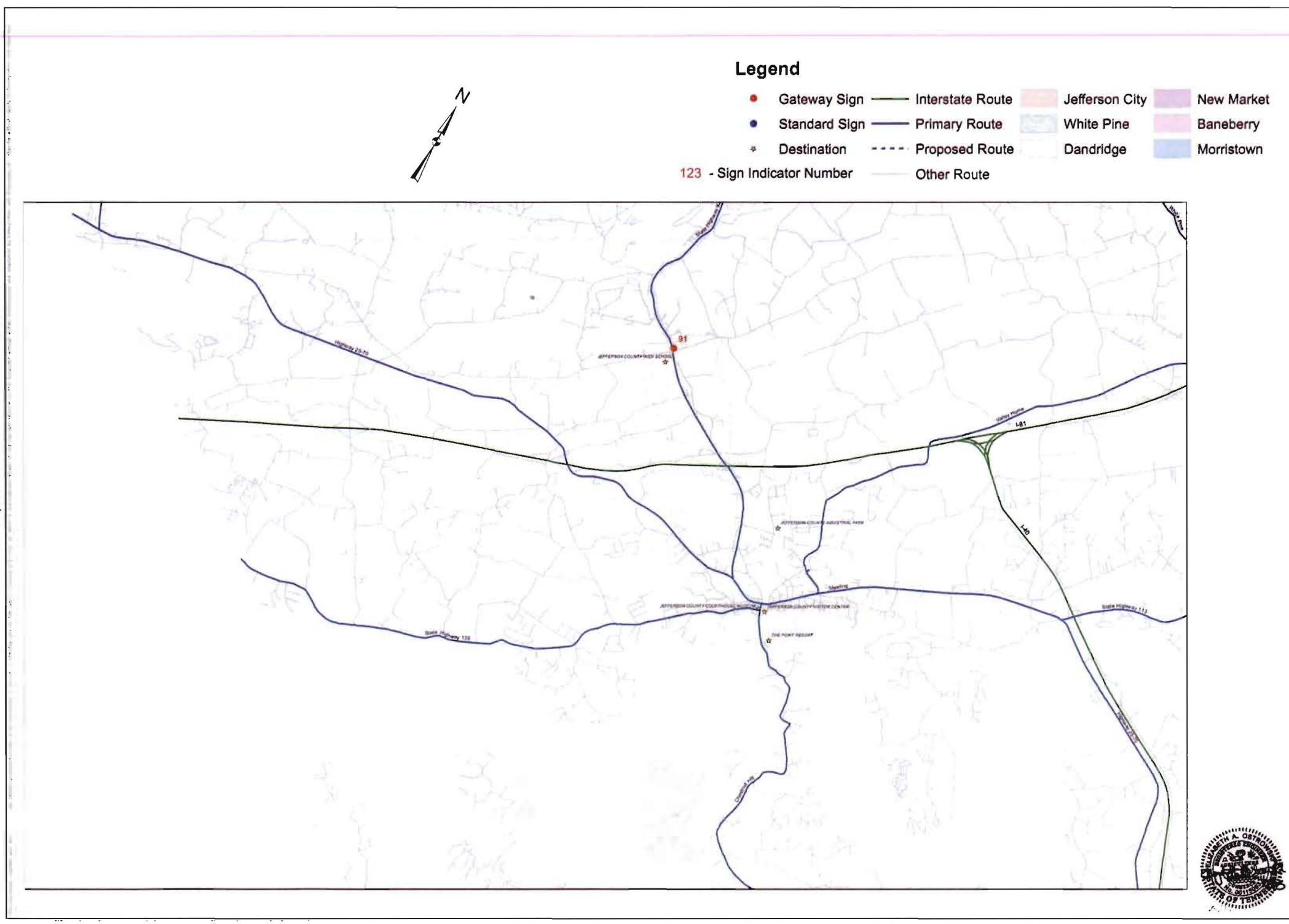
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WAYFINDING  
MORRISTOWN, HAMBLIN CO.

QUADRANT 2

REVISIONS	DATE	BY
No.		
SCALE	AS SHOWN	
DESIGNED BY	SAO	
DRAWN BY	JAO	
CHECKED BY	EJO	
DATE	04/20/2016	
KHS PROJECT	16085000	
SHEET NUMBER	M-03	







● Gateway Sign	— Interstate Route	Jefferson City	New Market
● Standard Sign	— Primary Route	White Pine	Baneberry
* Destination	- - - Proposed Route	Dandridge	Morristown
Sign Indicator Number	— Other Route		

123 - Sign Indicator Number ——— Other Route

Dandridge

Morristown

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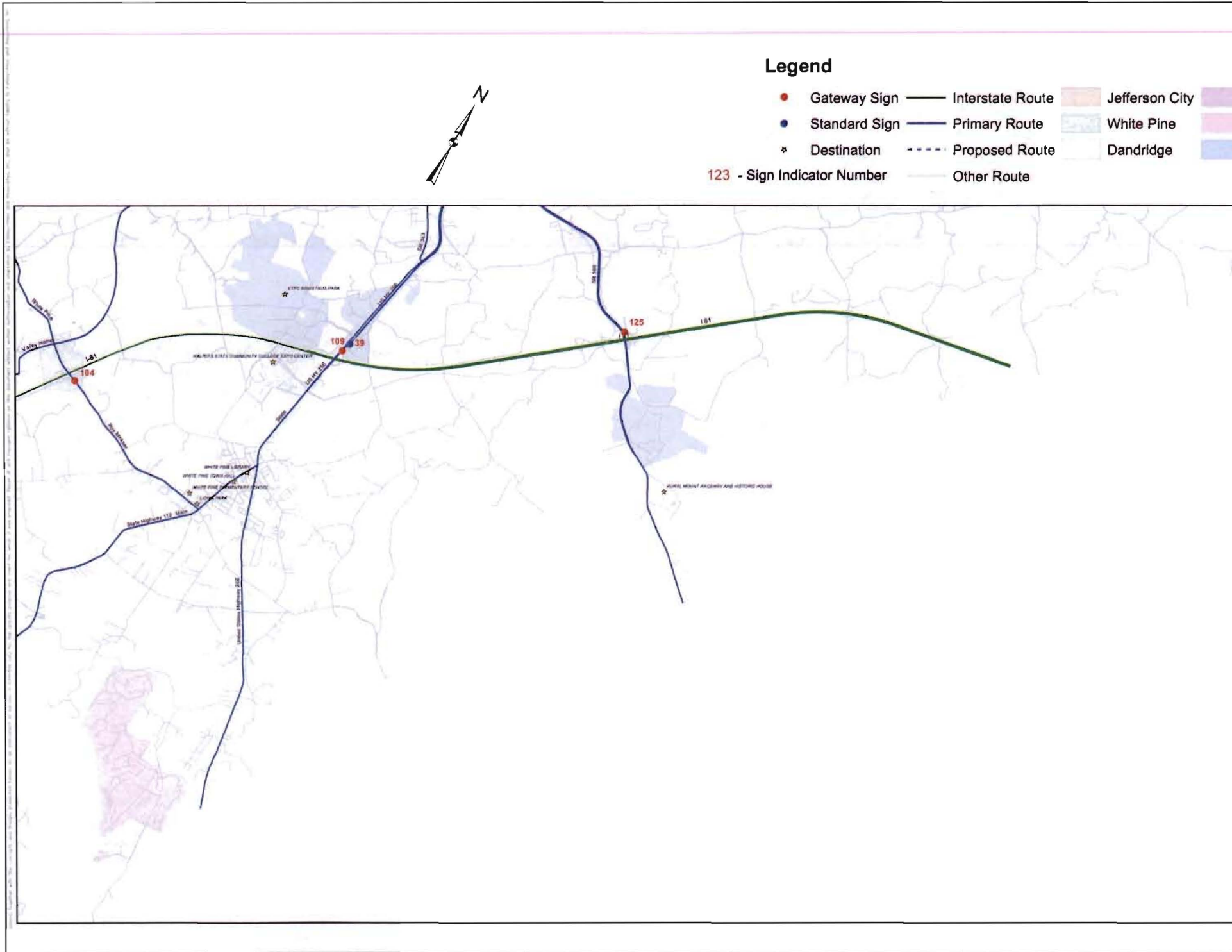
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QUADRANT 3

REVISIONS						DATE	BY
No.							
SCALE	A-B SHOWN						
DETERMINED BY	EAG						
DRAWN BY	JLD						
CHECKED BY	JLD						
DATE	08/29/2016						
JOHN PROJECT 18085000							
SHEET NUMBER							
M-04							



M-04



**Legend**

- Gateway Sign
- Standard Sign
- \* Destination
- 123 - Sign Indicator Number
- Interstate Route
- Primary Route
- - - Proposed Route
- Other Route
- Jefferson City
- White Pine
- Dandridge
- New Market
- Baneberry
- Morristown



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**QUADRANT 4**

REVISIONS	DATE	BY

No.	SCALE	AS SHOWN
	DESIGNED BY	END
	DRAWN BY	JAG
	CHECKED BY	EJD
	DATE	04/02/2016
	PROJECT	18085000
	SHEET NUMBER	M-05



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**WATKINS**  
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REVISIONS	DATE	BY
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[illegible]


No.					
SCALE		AS SHOWN			
DESIGNED BY		EAO			
DRAWN BY		JAG			
CHECKED BY		ZJO			
DATE		04/20/2018			
KHA PROJECT 18045000					
SHEET NUMBER <b>K-01</b>					





 SIGN LOCATION - 2  
1"=150'



 SIGN LOCATION - 5  
1"=150'



 SIGN LOCATION - 3  
1"=150'



 SIGN LOCATION - 6  
1"=400'

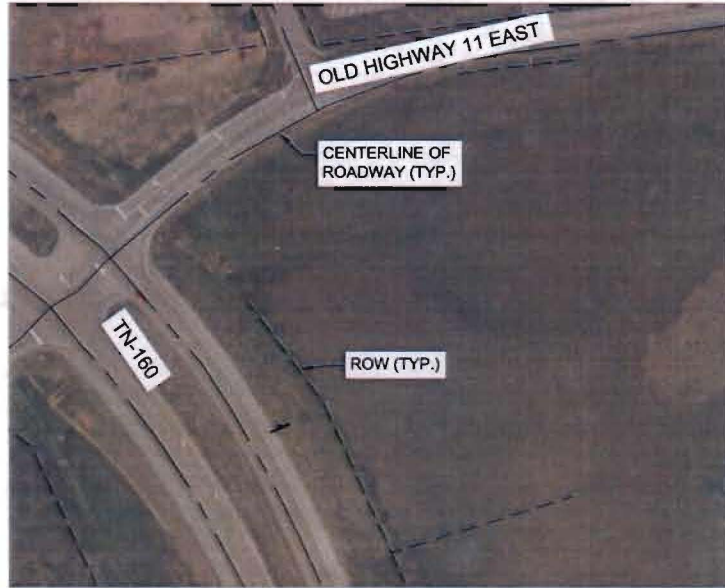
LEGEND  
----- RIGHT OF WAY  
----- ROAD CENTER LINE  
1 PROPOSED SIGN

- NOTES:
1. SIGN LOCATION NUMBER CORRESPONDS TO SIGNAGE KEY ON SHEET K-01.
  2. REFER TO SHEET G-02 FOR SPECIFIC SIGN INSTALLATION LOCATION AND PLACEMENT NOTES.
  3. PROPOSED SIGN TO BE INSTALLED IN LOCATION OF EXISTING SIGN. EXISTING SIGN TO BE REMOVED. SEE DEMOLITION NOTES ON SHEET G-02.
  4. SIGN SHALL BE A MINIMUM OF 1,000 FEET FROM THE CENTERLINE OF RUNWAY.



Kimley»Horn		LAMTPO WAYFINDING		DETAIL SIGN LOCATIONS	
208 Teard Avenue South, Suite 501, Nashville, TN 37203 Main 615.564.2701   www.kimley-horn.com © 2018 Kimley-Horn and Associates, Inc.		MORRISTOWN, HAMBLIN CO.			
NO.	REVISIONS	DATE	BY		
SCALE	N= 50'000"				
DESIGNED BY	EAO				
DRAWN BY	JAG				
CHECKED BY	ZJD				
DATE	3/4/2018				
KHA PROJECT 100800000					
SHEET NUMBER S-01					





○ SIGN LOCATION - 8  
1"=150'



○ SIGN LOCATION - 1100  
1"=150'



○ SIGN LOCATION - 11  
1"=150'



○ SIGN LOCATION - 16  
1"=150'

LEGEND  
 ----- RIGHT OF WAY  
 ----- ROAD CENTER LINE  
 + PROPOSED SIGN

- NOTES:
1. SIGN LOCATION NUMBER CORRESPONDS TO SIGNAGE KEY ON SHEET K-01.
  2. REFER TO SHEET G-02 FOR SPECIFIC SIGN INSTALLATION LOCATION AND PLACEMENT NOTES.
  3. PROPOSED SIGN TO BE INSTALLED IN LOCATION OF EXISTING SIGN. EXISTING SIGN TO BE REMOVED. SEE DEMOLITION NOTES ON SHEET G-02.



**Kimley»Horn**  
 209 Tenth Avenue South, Suite 501, Nashville, TN 37203  
 Main: 615.259.1111 | kathy@kimleyhorn.com  
 2014, Kimley-Horn and Associates, Inc.

**LAMTPO  
WAYFINDING**  
 MORRISTOWN, HAMBLIN CO.

DETAIL SIGN LOCATIONS

NO.	REVISIONS	DATE	BY
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
KIM PROJECT  
 1808/0000  
 SHEET NUMBER  
 S-02





 SIGN LOCATION - 1600  
1"=150'



 SIGN LOCATION - 1700  
1"=150'



 SIGN LOCATION - 17  
1"=150'



 SIGN LOCATION - 18  
1"=150'

LEGEND  
 --- RIGHT OF WAY  
 --- ROAD CENTER LINE  
 1 PROPOSED SIGN

- NOTES:
1. SIGN LOCATION NUMBER CORRESPONDS TO SIGNAGE KEY ON SHEET K-01.
  2. REFER TO SHEET G-02 FOR SPECIFIC SIGN INSTALLATION LOCATION AND PLACEMENT NOTES.
  3. PROPOSED SIGN TO BE INSTALLED IN LOCATION OF EXISTING SIGN. EXISTING SIGN TO BE REMOVED. SEE DEMOLITION NOTES ON SHEET G-02.



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**LAMTPO  
WAYFINDING**

MORRISTOWN, HAMBLIN CO.

DETAIL SIGN LOCATIONS

NO.	REVISIONS	DATE	BY

SCALE: AS SHOWN

DESIGNED BY: BAC

DRAWN BY: JAC

CHECKED BY: ZJD

DATE: 04/02/19

KIM PROJECT: 1805000

SHEET NUMBER: S-03

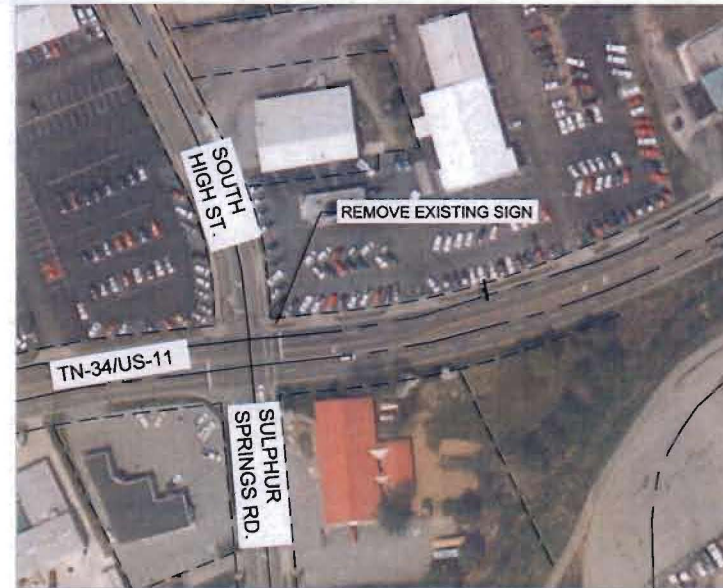




 SIGN LOCATION - 27  
1"=150'



 SIGN LOCATION - 30  
1"=150'



 SIGN LOCATION - 28  
1"=150'



 SIGN LOCATION - 32  
1"=150'

LEGEND  
 --- RIGHT OF WAY  
 --- ROAD CENTER LINE  
 + PROPOSED SIGN

- NOTES:
1. SIGN LOCATION NUMBER CORRESPONDS TO SIGNAGE KEY ON SHEET K-01.
  2. REFER TO SHEET G-02 FOR SPECIFIC SIGN INSTALLATION LOCATION AND PLACEMENT NOTES.
  3. PROPOSED SIGN TO BE INSTALLED IN LOCATION OF EXISTING SIGN. EXISTING SIGN TO BE REMOVED. SEE DEMOLITION NOTES ON SHEET G-02.



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WAYFINDING**  
 MORRISTOWN, HAMBLIN CO.

**DETAIL SIGN LOCATIONS**

NO.	REVISIONS	DATE	BY

SCALE: AS SHOWN

DESIGNED BY: JAO

DRAWN BY: JAS

CHECKED BY: JJD

DATE: 04/29/15

PROJECT: 15085300

SHEET NUMBER: S-04





SIGN LOCATION - 34  
1"=150'



SIGN LOCATION - 35  
1"=150'



SIGN LOCATION - 3400  
1"=150'



SIGN LOCATION - 3500  
1"=150'

LEGEND  
--- RIGHT OF WAY  
--- ROAD CENTER LINE  
1 PROPOSED SIGN

- NOTES:
1. SIGN LOCATION NUMBER CORRESPONDS TO SIGNAGE KEY ON SHEET K-01.
  2. REFER TO SHEET G-02 FOR SPECIFIC SIGN INSTALLATION LOCATION AND PLACEMENT NOTES.
  3. PROPOSED SIGN TO BE INSTALLED IN LOCATION OF EXISTING SIGN. EXISTING SIGN TO BE REMOVED. SEE DEMOLITION NOTES ON SHEET G-02.



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**LAMTPO  
WAYFINDING**  
MORRISTOWN, HAMBLIN CO.


DETAIL SIGN LOCATIONS

REVISIONS	DATE	BY


SCALE	AS SHOWN
DESIGNED BY	BAO
DRAWN BY	JMG
CHECKED BY	ZJD
DATE	10/20/2015
PROJECT	18045000
SHEET NUMBER	S-05





 SIGN LOCATION - 37  
1"=150'



 SIGN LOCATION - 41  
1"=150'



 SIGN LOCATION - 3700  
1"=150'



 SIGN LOCATION- 43  
1"=150'

LEGEND  
--- RIGHT OF WAY  
--- ROAD CENTER LINE  
+ PROPOSED SIGN

- NOTES:
1. SIGN LOCATION NUMBER CORRESPONDS TO SIGNAGE KEY ON SHEET K-01.
  2. REFER TO SHEET G-02 FOR SPECIFIC SIGN INSTALLATION LOCATION AND PLACEMENT NOTES.
  3. PROPOSED SIGN TO BE INSTALLED IN LOCATION OF EXISTING SIGN. EXISTING SIGN TO BE REMOVED. SEE DEMOLITION NOTES ON SHEET G-02.





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WAYFINDING  
MORRISTOWN, HAMBLIN CO.

DETAIL SIGN LOCATIONS

NO.	REVISIONS	DATE	BY

SCALE: AS SHOWN

DRAWN BY: EMO

CHECKED BY: EJO

DATE: 04/20/11

KHA PROJECT: 10060000


SHEET NUMBER: S-06






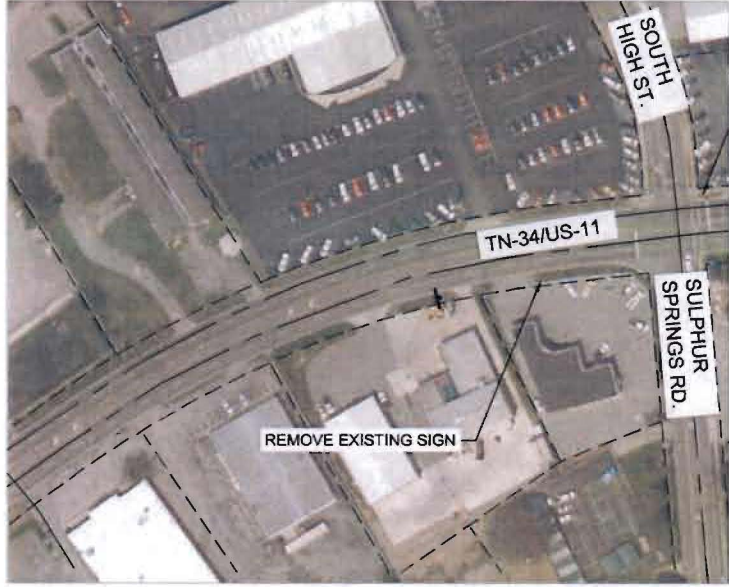
 SIGN LOCATION - 47  
1"=150'




 SIGN LOCATION - 51  
1"=150'



 SIGN LOCATION - 49  
1"=150'



 SIGN LOCATION - 54  
1"=150'

LEGEND  
----- RIGHT OF WAY  
----- ROAD CENTER LINE  
+ PROPOSED SIGN

- NOTES:
1. SIGN LOCATION NUMBER CORRESPONDS TO SIGNAGE KEY ON SHEET K-01.
  2. REFER TO SHEET G-02 FOR SPECIFIC SIGN INSTALLATION LOCATION AND PLACEMENT NOTES.
  3. PROPOSED SIGN TO BE INSTALLED IN LOCATION OF EXISTING SIGN. EXISTING SIGN TO BE REMOVED. SEE DEMOLITION NOTES ON SHEET G-02.



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**LAMTPO  
WAYFINDING**  
MORRISTOWN, HAMBLIN CO.

DETAIL SIGN LOCATIONS

No.	REVISIONS	DATE	BY

SCALE: AS SHOWN

DESIGNED BY: EAO

DRAWN BY: JAS

CHECKED BY: JAS

DATE: 04/25/2018

RVA PROJECT: 18050000

SHEET NUMBER: S-07





 SIGN LOCATION - 55  
1"=150'



 SIGN LOCATION - 85  
1"=150'



 SIGN LOCATION - 67  
1"=150'



 SIGN LOCATION - 91  
1"=150'

LEGEND  
----- RIGHT OF WAY  
----- ROAD CENTER LINE  
+ PROPOSED SIGN

- NOTES:
1. SIGN LOCATION NUMBER CORRESPONDS TO SIGNAGE KEY ON SHEET K-01.
  2. REFER TO SHEET G-02 FOR SPECIFIC SIGN INSTALLATION LOCATION AND PLACEMENT NOTES.
  3. PROPOSED SIGN TO BE INSTALLED IN LOCATION OF EXISTING SIGN. EXISTING SIGN TO BE REMOVED. SEE DEMOLITION NOTES ON SHEET G-02.



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LAMTPO  
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MORRISTOWN, HAMBLIN CO.

DETAIL SIGN LOCATIONS

NO.	REVISIONS	DATE	BY

SCALE:	AS SHOWN
DRAWN BY:	EAO
CHECKED BY:	JAG
DATE:	04/20/2015
KHA PROJECT:	18060000
SHEET NUMBER:	S-08



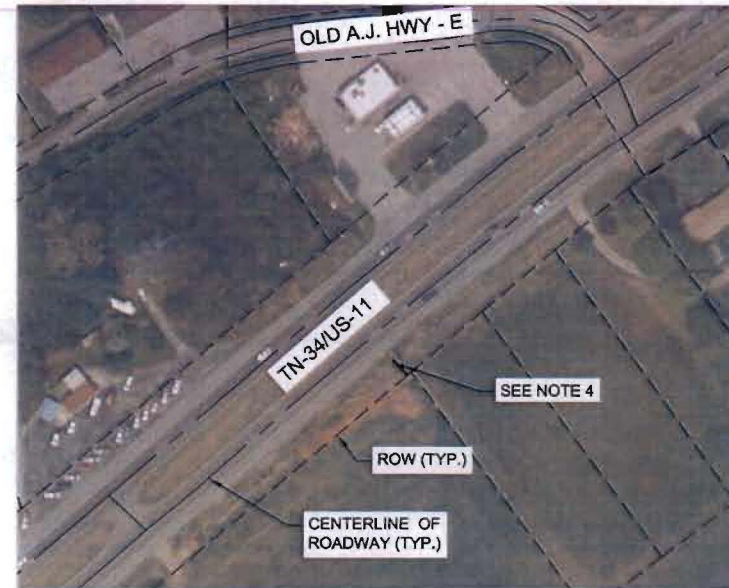


SIGN LOCATION - 101

1"=150'



 SIGN LOCATION - 104  
1"=150'



SIGN LOCATION - 103

1"=150'



 SIGN LOCATION - 109  
1"=150'

### LEGEND

---	RIGHT OF WAY
---	ROAD CENTER LINE
1	PROPOSED SIGN

NOTES:

1. SIGN LOCATION NUMBER  
CORRESPONDS TO SIGNAGE KEY  
ON SHEET K-01.
2. REFER TO SHEET G-02 FOR  
SPECIFIC SIGN INSTALLATION  
LOCATION AND PLACEMENT  
NOTES.
3. PROPOSED SIGN TO BE  
INSTALLED IN LOCATION OF  
EXISTING SIGN. EXISTING SIGN TO  
BE REMOVED. SEE DEMOLITION  
NOTES ON SHEET G-02.
4. SIGN LOCATION #103 TO BE  
PLACED NEAR EXISTING  
BASEBALL CHAMPIONSHIP SIGN.  
LOCATION TO BE STAKED FOR  
APPROVAL BY ENGINEER PRIOR  
TO INSTALLATION. EXISTING  
GATEWAY SIGN TO BE REMOVED  
AND EXISTING BASEBALL  
CHAMPIONSHIP SIGN TO BE  
RELOCATED IN ACCORDANCE  
WITH MUTCD REQUIREMENTS.



# Kimley»»Horn

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**LAMTPO  
WAYFINDING**  
MORRISTOWN, HAMBLIN CO.


## DETAIL SIGN LOCATIONS

REVISIONS	BY					
	DATE					
No.						
SCALE		AS SHOWN				
DESIGNED BY		JAG				
DRAWN BY		JAG				
CHECKED BY		JAG				
DATE		04/28/2015				
KSA PROJECT 18085000						
SHEET NUMBER S-09						


SCALE	A3 SHEET
DESIGNED BY	SAO
DRAWN BY	JAG
CHECKED BY	ZJD
DATE	04/22/2012
KMA PROJECT 18085000	
SHEET NUMBER S-09	

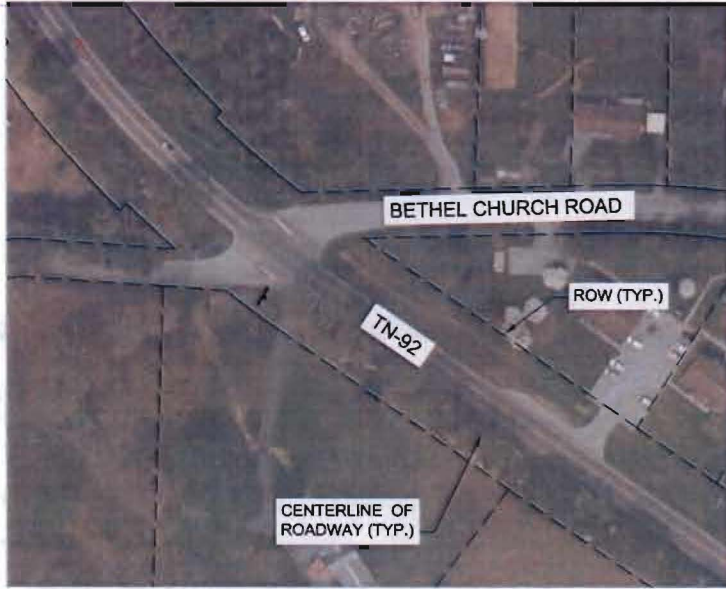





 SIGN LOCATION - 125  
1"=150'




 SIGN LOCATION - 127  
1"=150'



 SIGN LOCATION - 126  
1"=150'



 SIGN LOCATION - 137  
1"=150'

LEGEND

--- RIGHT OF WAY

--- ROAD CENTER LINE

1 PROPOSED SIGN

- NOTES:
1. SIGN LOCATION NUMBER CORRESPONDS TO SIGNAGE KEY ON SHEET K-01.
  2. REFER TO SHEET G-02 FOR SPECIFIC SIGN INSTALLATION LOCATION AND PLACEMENT NOTES.
  3. PROPOSED SIGN TO BE INSTALLED IN LOCATION OF EXISTING SIGN. EXISTING SIGN TO BE REMOVED. SEE DEMOLITION NOTES ON SHEET G-02.



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**LAMTPO  
WAYFINDING**

MORRISTOWN, HAMBLIN CO.

DETAIL SIGN LOCATIONS

NO.	REVISIONS	DATE	BY

SCALE	AS SHOWN
DRAWN BY	END
CHECKED BY	JUG
DATE	04/29/2018
SHA PROJECT	18085000
SHEET NUMBER	S-10






SIGN LOCATION - 138

1"=150'




**SIGN LOCATION - 144**  
1"=150'



SIGN LOCATION - 143

LEGEND


 RIGHT OF WAY  
 ROAD CENTER LINE  
 PROPOSED SIGN

NOTES:

1. SIGN LOCATION NUMBER  
CORRESPONDS TO SIGNAGE KEY  
ON SHEET K-01.
2. REFER TO SHEET G-02 FOR  
SPECIFIC SIGN INSTALLATION  
LOCATION AND PLACEMENT  
NOTES.
3. PROPOSED SIGN TO BE  
INSTALLED IN LOCATION OF  
EXISTING SIGN. EXISTING SIGN TO  
BE REMOVED. SEE DEMOLITION  
NOTES ON SHEET G-02.



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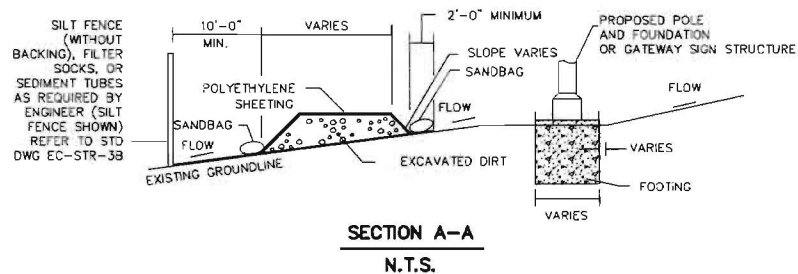
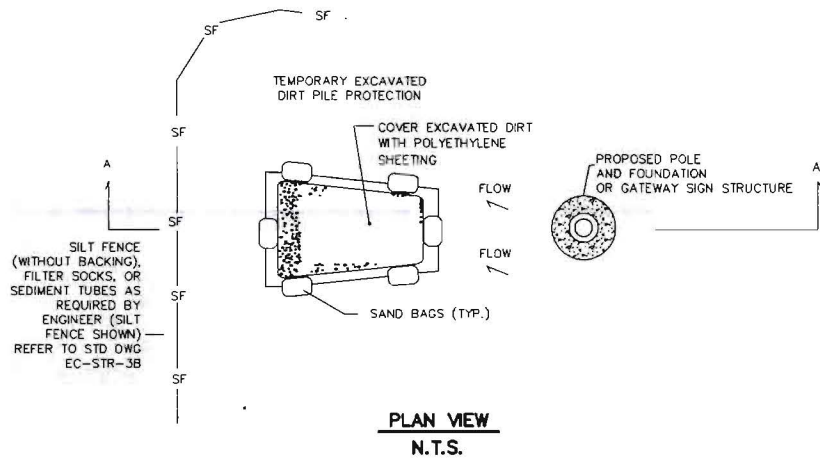
209 Tenth Avenue South, Suite 501, Nashville, TN 37203  
Main: 615.564.2701 | [www.kennedy-horn.com](http://www.kennedy-horn.com)

10/27/2011 10:27 AM

LAMTPO  
WAYFINDING  
MORRISTOWN, HAMBLEN CO.

## DETAIL SIGN LOCATIONS

REVISIONS	DATE	BY
NO.		
SCALE		A3 SHOWN
DESIGNED BY		SKO
DRAWN BY		JAG
CHECKED BY		ZJO
DATE		24/05/2018
KVA PROJECT <b>10055000</b>		
SHEET 10 OF 10		
S-11		



APPROXIMATE QUANTITIES (PER EACH SIGN)			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY**
*209-08.03	TEMPORARY SILT FENCE (WITHOUT BACKING)	LINEAR FEET	40-60
209-09.01	SANDBAGS	BAG	8-10
209-20.03	POLYETHYLENE SHEETING (6 MIL MINIMUM)	SQUARE FEET	100-120

\*12" FILTER SOCKS (209-03.21) OR 12" TEMPORARY SEDIMENT TUBES (740-11.02) MAY BE USED AS AN ALTERNATE AT THE DISCRETION OF THE ENGINEER. SEE STD. DWG. EC-STR-8 OR EC-STR-37 FOR FURTHER DETAILS.

\*\*ACTUAL QUANTITY TO BE DETERMINED BY ENGINEER IN THE FIELD.

#### NOTES:

1. EPSC DEVICES SHALL BE PLACED IMMEDIATELY AFTER AREA IS DISTURBED AND SHALL REMAIN IN PLACE UNTIL LOCATION IS STABILIZED WITH VEGETATION.
2. THESE TYPICAL DETAILS WILL BE USED AT THE DISCRETION OF THE ENGINEER BASED ON THE LOCATION AND DURATION OF THE SIGN AREAS. IF THE FOUNDATION IS IN A LOCATION WHERE RUNOFF IS NOT A CONCERN, THE LOCATION MAY NOT REQUIRE THE USE OF THESE EPSC MEASURES, BUT WILL STILL REQUIRE SEEDING WITH MULCH.
3. EXCAVATED DIRT THAT IS NOT NEEDED FOR BACKFILL SHALL BE REMOVED IMMEDIATELY AFTER EXCAVATION.
4. SILT FENCE (WITH BACKING) SHOULD BE UTILIZED ADJACENT TO STREAMS, SPRINGS, WETLANDS OR SINKHOLE. REFER TO STD. DWG. EC-STR-3C.
5. FOR EROSION PREVENTION AND SEDIMENT CONTROL MEASURES FOR TYPICAL TRENCH CONFIGURATIONS, 12" FILTER SOCKS OR 12" TEMPORARY SEDIMENT TUBES SHALL BE USED ONLY ON STEEP SLOPES WHERE THE INSTALLATION OF SILT FENCING IS IMPRACTICAL. THE USE OF THESE ALTERNATIVES SHALL BE APPROVED BY THE ENGINEER.



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**LAMTPO  
WAYFINDING**  
MORRISTOWN, HAMBLIN CO.

**EROSION PREVENTION  
AND SEDIMENT CONTROL  
DETAILS**










NO.	REVISIONS	DATE	BY
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8			
9			
10			

SCALE	AS SHOWN
DESIGNED BY	BAO
DRAWN BY	JAO
CHECKED BY	ZJO
DATE	04/25/2018
KNA PROJECT	18085000
SHEET NUMBER	S-12



## COLORS & FINISHES

### VINYL\*/ \*\*

 <b>V1</b> Dark Blue Opaque Premium Cast Close to PMS 2965 C	 <b>V2</b> Medium Blue Opaque Premium Cast Close to PMS 2945 C	 <b>V3</b> Dark Green Opaque Premium Cast Close to PMS 3308 C
 <b>V4</b> Medium Green Opaque Premium Cast Close to PMS 3415 C	 <b>V5</b> Beige Opaque Premium Cast Match to SW 6378	 <b>V6</b> Reflective Film Engineering Grade White
 <b>V7</b> HIP Wide Angle Retroreflective Vinyl White	 <b>V8</b> UV Protective Over-laminate Film Transparent/Clear	 <b>V9</b> Clear Vinyl Film For Application of Digitally Printed Sign Graphics

### PAINT\*\*/ \*\*\*

 <b>P1</b> Dark Blue PMS 2965 C Match to PMS	 <b>P2</b> Medium Blue PMS 2945 C Match to PMS	 <b>D1</b> Dark Blue PMS 2965 C Match to PMS
 <b>P3</b> Dark Green PMS 3308 C Match to PMS	 <b>P4</b> Medium Green PMS 3415 C Match to PMS	 <b>D2</b> Medium Blue PMS 2945 C Match to PMS
 <b>P5</b> Crisp Linen SW 6378 Match to SW 6378	 <b>P6</b> Powder Coat Jet Black (Satin)	 <b>D3</b> Dark Green PMS 3308 C Match to PMS
 <b>P7</b> Clearcoat UV Protective/ Graffiti Resistant	 <b>D4</b> Medium Green PMS 3415 C Match to PMS	 <b>D5</b> Beige Match to SW 6378

### DIGITAL

## TYPOGRAPHY & SYMBOLS

### CASLON BOOK BE REGULAR S.C.

AA BB CC DD EE FF GG HH II JJ KK LL MM NN  
OO PP QQ RR SS TT UU VV WW XX YY ZZ  
1 2 3 4 5 6 7 8 9 0 ! @ \$ % & ( )

### CASLON BOOK BE MEDIUM S.C.

AA BB CC DD EE FF GG HH II JJ KK LL MM NN  
OO PP QQ RR SS TT UU VV WW XX YY ZZ  
1 2 3 4 5 6 7 8 9 0 ! @ \$ % & ( )

### Caslon Book BE Italic

Aa Bb Cc Dd Ee Ff Gg Hh Ii Jj Kk Ll Mm Nn  
Oo Pp Qq Rr Ss Tt Uu Vv Ww Xx Yy Zz  
1 2 3 4 5 6 7 8 9 0 ! @ \$ % & ( )

### ClearviewHwy 2-B

Aa Bb Cc Dd Ee Ff Gg Hh Ii Jj Kk Ll Mm Nn  
Oo Pp Qq Rr Ss Tt Uu Vv Ww Xx Yy Zz  
1 2 3 4 5 6 7 8 9 0 ! @ \$ % & ( )

T1

T2

T3

T4



Trailer site



Hand launch/  
Small boat launch



Information



Airport



RV campground



Horseback riding



Viewing area



Boat launch



Hospital



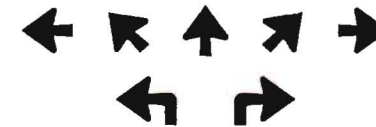
Golfing



Fishing



Parking



### PROJECT

Lakeway Area  
Regional Wayfinding  
Program

Design Intent Drawings

Colors, Finishes, Type &

Symbols

### NOTES

\*ENSURE ALL LAYERED VINYL SHEETING IS COMPATIBLE AND WARRANTED.

\*\*MANUFACTURER REFERENCE IS FOR COLOR MATCHING PURPOSES ONLY. USE HIGH QUALITY MATERIALS AS OUTLINED IN BID SPECIFICATIONS.

\*\*\*USE ACRYLIC POLYURETHANE SATIN PAINT & ACRYLIC POLYURETHANE CLEAR COAT PAINT CONTAINING UV INHIBITORS.

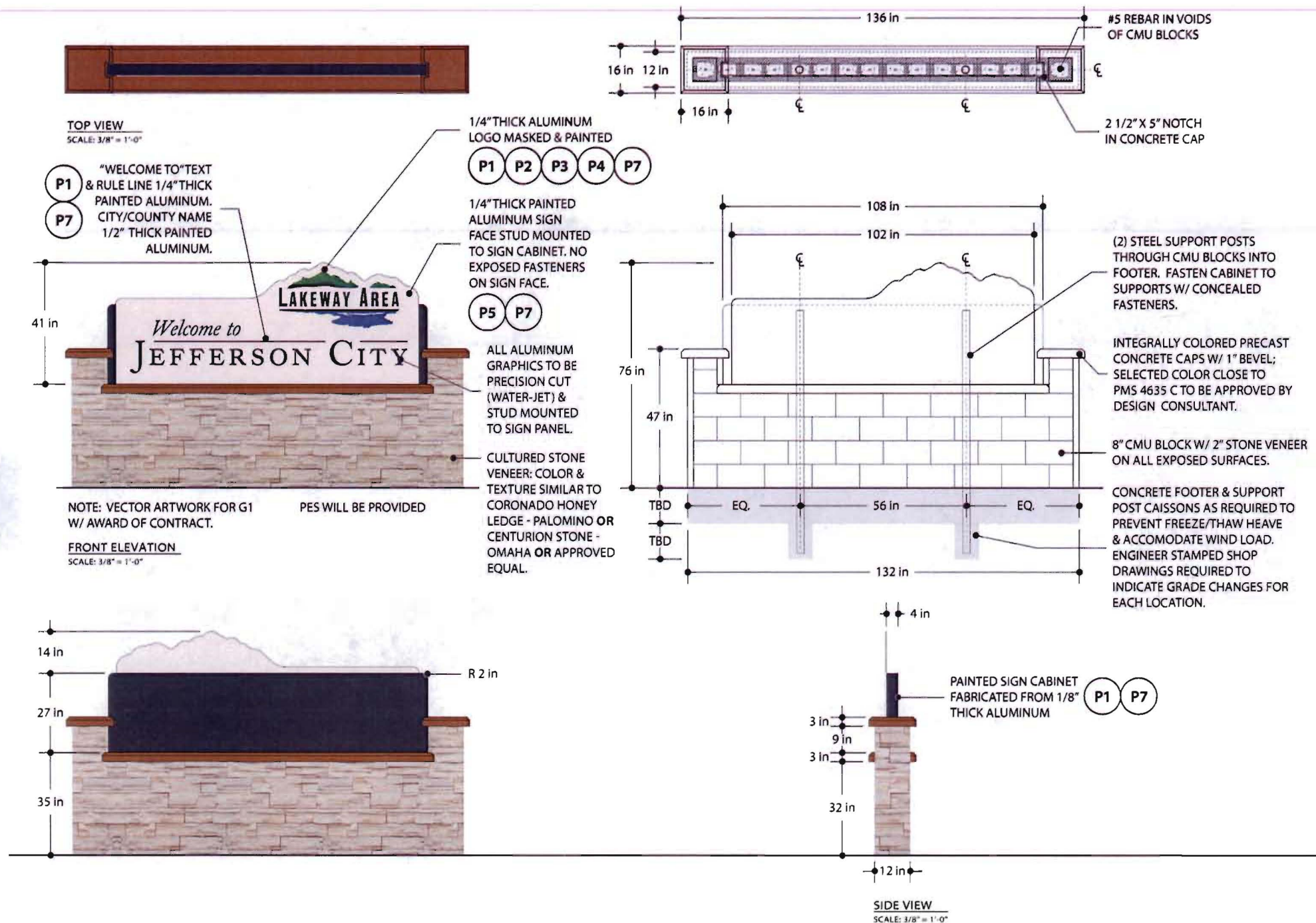
Kimley»Horn

### DATE DESCRIPTION

09.08.14	Schematic Design
04.17.15	Design Intent

### SCALE PAGE

NA	D-01
----	------



**G1.1 (High Profile Gateway) -BACK ELEVATION**  
SCALE: 3/8" = 1'-0"



**PROJECT**

Lakeway Area  
Regional Wayfinding  
Program

**Design Intent Drawings**

G1.1 - High Profile

**Gateway**

**NOTES**

**Kimley»Horn**

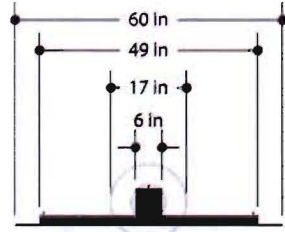
**DATE DESCRIPTION**

09.08.14	Schematic Design
04.17.15	Design Intent

**SCALE PAGE**

As Noted	D-02
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SECTION  
SCALE: 3/8" = 1'-0"

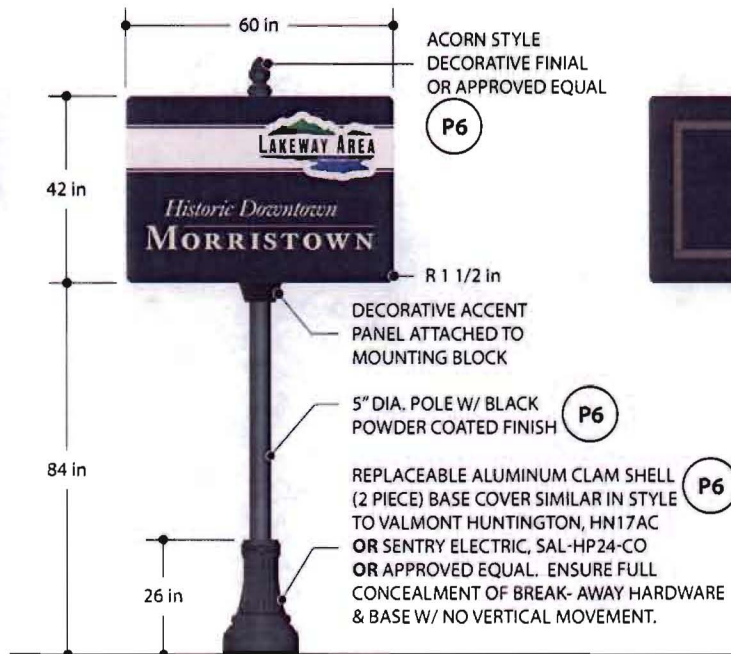


SIGN PANEL FINISHES  
SCALE: NTS

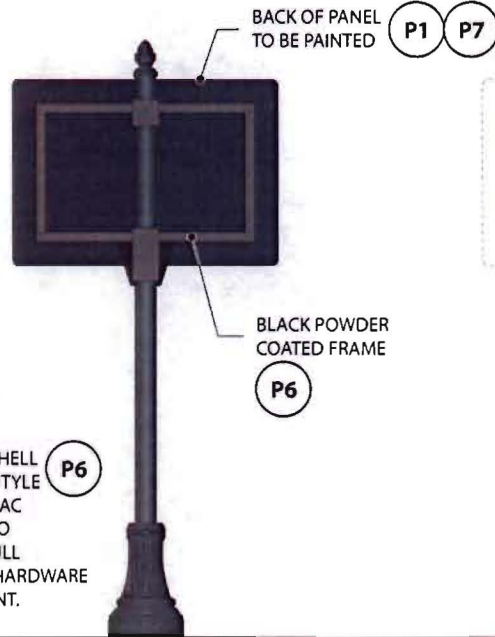
RETROREFLECTIVE BACKGROUND,  
TRANSLUCENT FILM OVERLAY  
& UV PROTECTIVE OVERLAMINATE.  
SEE REFLECTIVE PANEL LAYERING  
DETAIL PAGE 12.  
SEE PAGE 7 FOR SIGN FACE LAYOUTS.



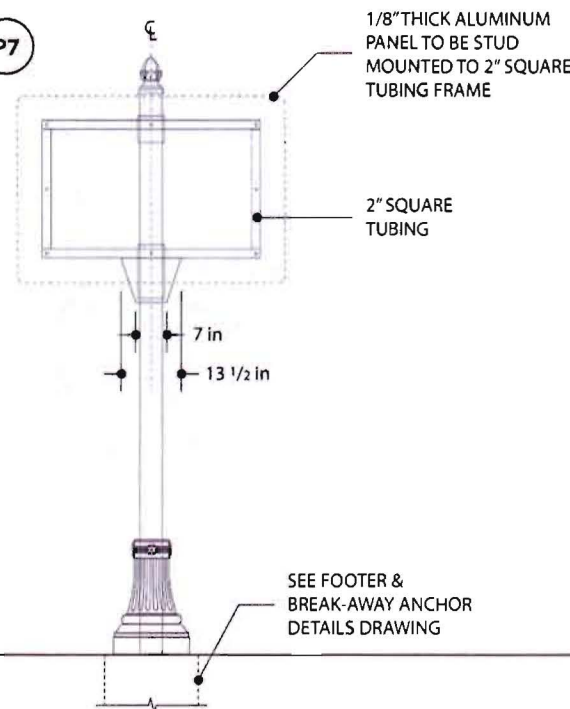
G3.2 SIGN PANEL WITH ALTERNATE CONTENT  
SCALE: NTS



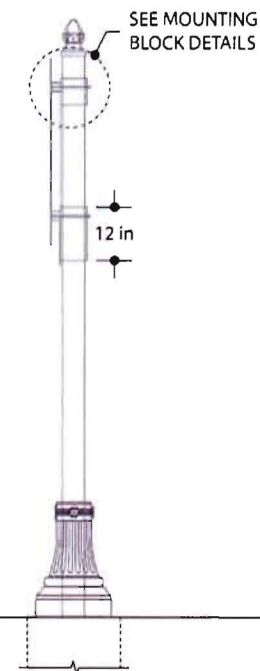
ELEVATION - G3.1 - Single Sided (Secondary Gateway)  
SCALE: 3/8" = 1'-0"



BACK ELEVATION  
SCALE: 3/8" = 1'-0"



FRONT FRAME ELEVATION  
SCALE: 3/8" = 1'-0"



SIDE VIEW  
SCALE: 3/8" = 1'-0"



#### PROJECT

Lakeway Area  
Regional Wayfinding  
Program

#### Design Intent Drawings

#### G3.1 & G3.2 Secondary

#### Gateway

#### NOTES

SELECTED FABRICATOR MUST  
PURCHASE FONTS REQUIRED  
FOR "WELCOME TO", "HISTORIC  
DOWNTOWN" AND COUNTY  
DESIGNATIONS OF SIGN FACE  
LAYOUTS. USE OUTLINED  
LAYOUTS TO BE PROVIDED TO  
SUCCESSFUL BIDDER AFTER  
AWARD OF CONTRACT. SEE PAGE  
7.

Kimley»Horn

#### DATE DESCRIPTION

09.08.14	Schematic Design
04.17.15	Design Intent

#### SCALE PAGE

As Noted	D-03
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G1.1 TYPICAL SIGN FACE LAYOUT  
SCALE: 3/8" = 1'-0"



G3.1 TYPICAL SIGN FACE LAYOUT  
SCALE: 3/8" = 1'-0"

<i>Welcome to</i> <b>JEFFERSON CITY</b>	<i>Welcome to</i> <b>MORRISTOWN</b>
<i>Welcome to</i> <b>JEFFERSON COUNTY</b>	<i>Welcome to</i> <b>WHITE PINE</b>
<i>Welcome to</i> <b>HAMBLEN COUNTY</b>	<i>Welcome to</i> <b>DANDRIDGE</b>

*Jefferson County*

*Hamblen County*



#### PROJECT

Lakeway Area  
Regional Wayfinding  
Program

Design Intent Drawings

G1 & G3 - Typical Sign

Layout Guidelines

#### NOTES

OUTLINED LAYOUTS SHOWN WILL  
BE PROVIDED TO SUCCESSFUL  
BIDDER AFTER AWARD OF  
CONTRACT.

**SELECTED FABRICATOR MUST  
PURCHASE OTHER FONTS AS  
REQUIRED FOR ALTERNATE  
LAYOUTS**

**Kimley»Horn**

#### DATE DESCRIPTION

09.08.14	Schematic Design
02.19.15	Sign Face Layouts
04.17.15	Design Intent

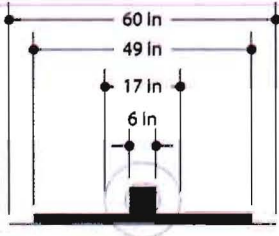
#### SCALE PAGE

As Noted	D-04
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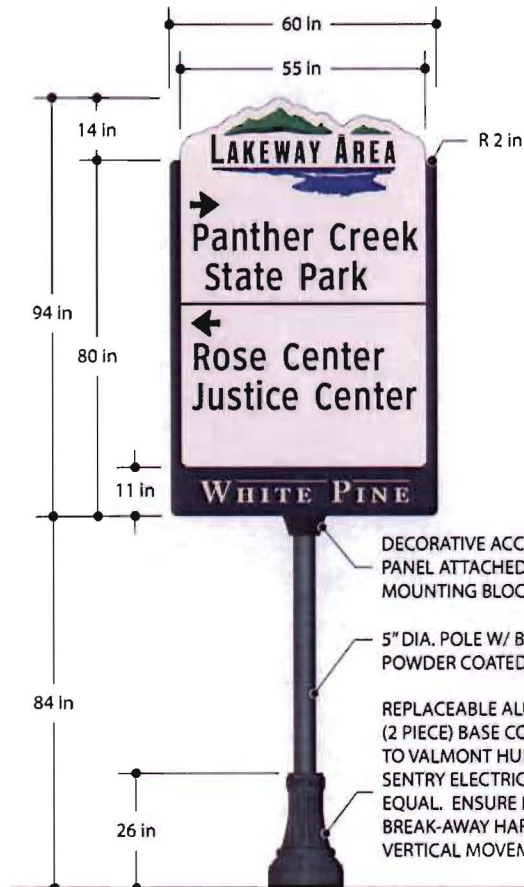
SECTION  
SCALE: 3/8" = 1'-0"



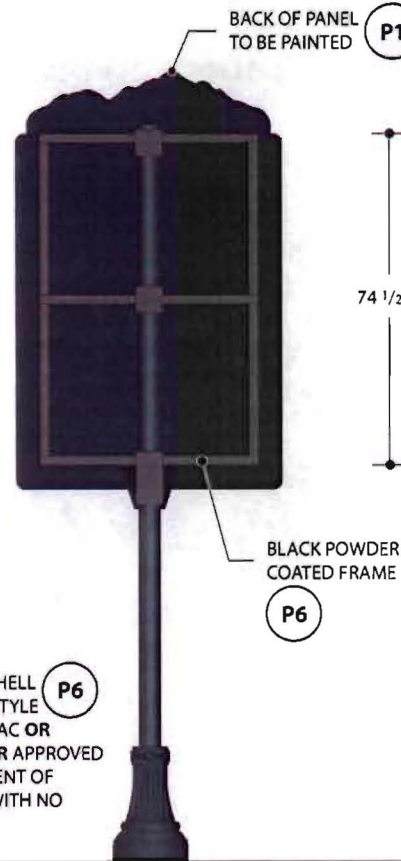
SIGN PANEL FINISHES  
SCALE: NT5

RETROREFLECTIVE BACKGROUND,  
TRANSLUCENT FILM OVERLAY  
& UV PROTECTIVE OVERLAMINATE.  
SEE REFLECTIVE PANEL LAYERING  
DETAIL PAGE 12.  
FONT USED: CLEARVIEW HWY 2-B  
CAP HEIGHT: 6"

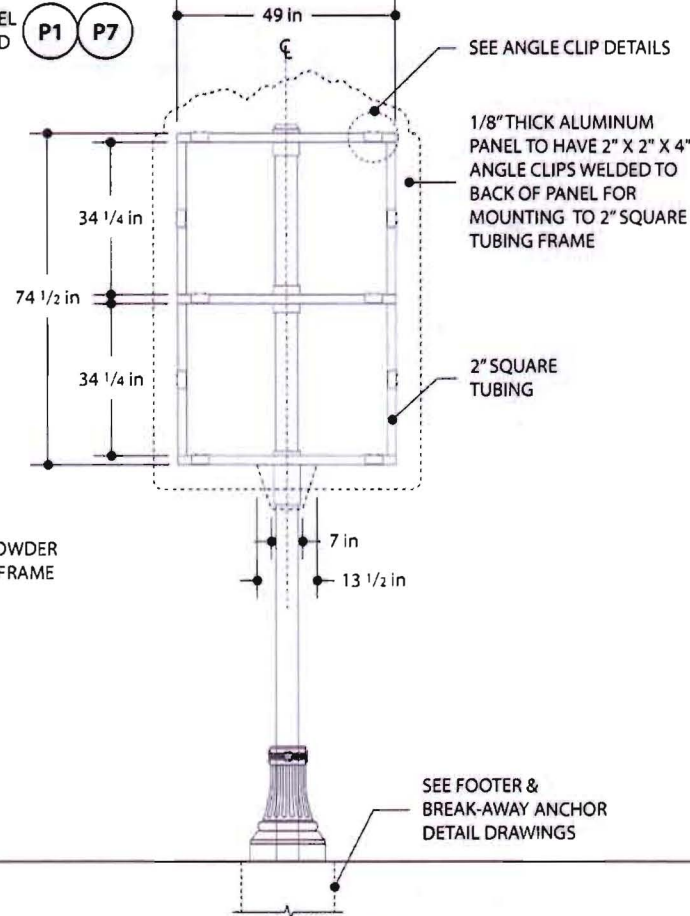
SEE PAGE 10 FOR  
SIGN FACE LAYOUTS.



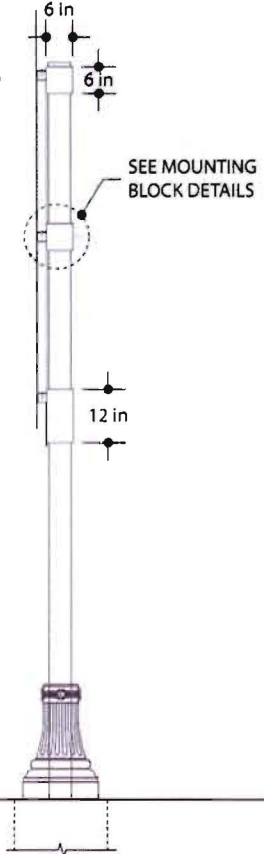
FRONT ELEVATION - D1.1 - Single Sided (Large Directional)  
SCALE: 3/8" = 1'-0"



BACK ELEVATION  
SCALE: 3/8" = 1'-0"



FRONT FRAME ELEVATION  
SCALE: 3/8" = 1'-0"



SIDE VIEW  
SCALE: 3/8" = 1'-0"



## PROJECT

Lakeway Area  
Regional Wayfinding  
Program

Design Intent Drawings

D1 - Large Directional

## NOTES

LEGEND FONT:  
CLEARVIEW HWY 2-B

ARROW: OUTLINE FILE

SELECTED FABRICATOR MUST  
PURCHASE FONT REQUIRED FOR  
DIRECTIONAL INFORMATION OF  
SIGN FACE LAYOUTS.

SEE PAGE 10 FOR LAYOUT  
GUIDELINES.

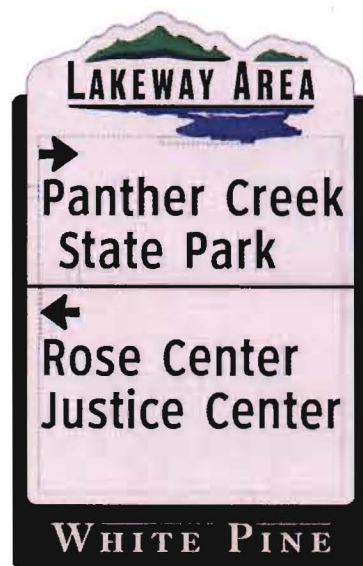
Kimley»Horn

## DATE DESCRIPTION

09.08.14	Schematic Design
04.17.15	Design Intent

## SCALE PAGE

As Noted	D-05
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#### D1.1 TYPICAL SIGN FACE LAYOUT

Multiple Message for locations with speed limits 35 mph and higher.  
SCALE: 1/2" = 1'-0"

Maintain 2" Margin bottom and sides, 2.5" top from logo  
Directional Arrow and Cap Height 6"

Font: Clearview Hwy 2-B

Font Size: 620 pt.

Tab: N/A

Spacing/Leading:

640 - Between lines for same destination

640 - Between Line different destinations, same arrow

1296 - Between arrows with divider line

Tracking OK up from 0 to -25.

Adjust adjacent type as required for visual uniformity

Kerning - Optical

Use outline files for footer.

City Name/County Designation with

Rule line width = 47" (constrained scale).

JEFFERSON CITY WHITE PINE

JEFFERSON COUNTY DANDRIDGE

MORRISTOWN HAMBLÉN COUNTY



#### PROJECT

Lakeway Area  
Regional Wayfinding  
Program

Design Intent Drawings

D1 & D2 - Typical Sign

Layout Guidelines

#### NOTES

LEGEND FONT:  
CLEARVIEW HWY 2-B

ARROW: OUTLINE FILE

SELECTED FABRICATOR MUST  
PURCHASE FONT REQUIRED FOR  
DIRECTIONAL INFORMATION OF  
SIGN FACE LAYOUTS.

Kimley»Horn

#### DATE DESCRIPTION

09.08.14	Schematic Design
02.19.15	Sign Face Layouts
04.17.15	Design Intent

#### SCALE PAGE

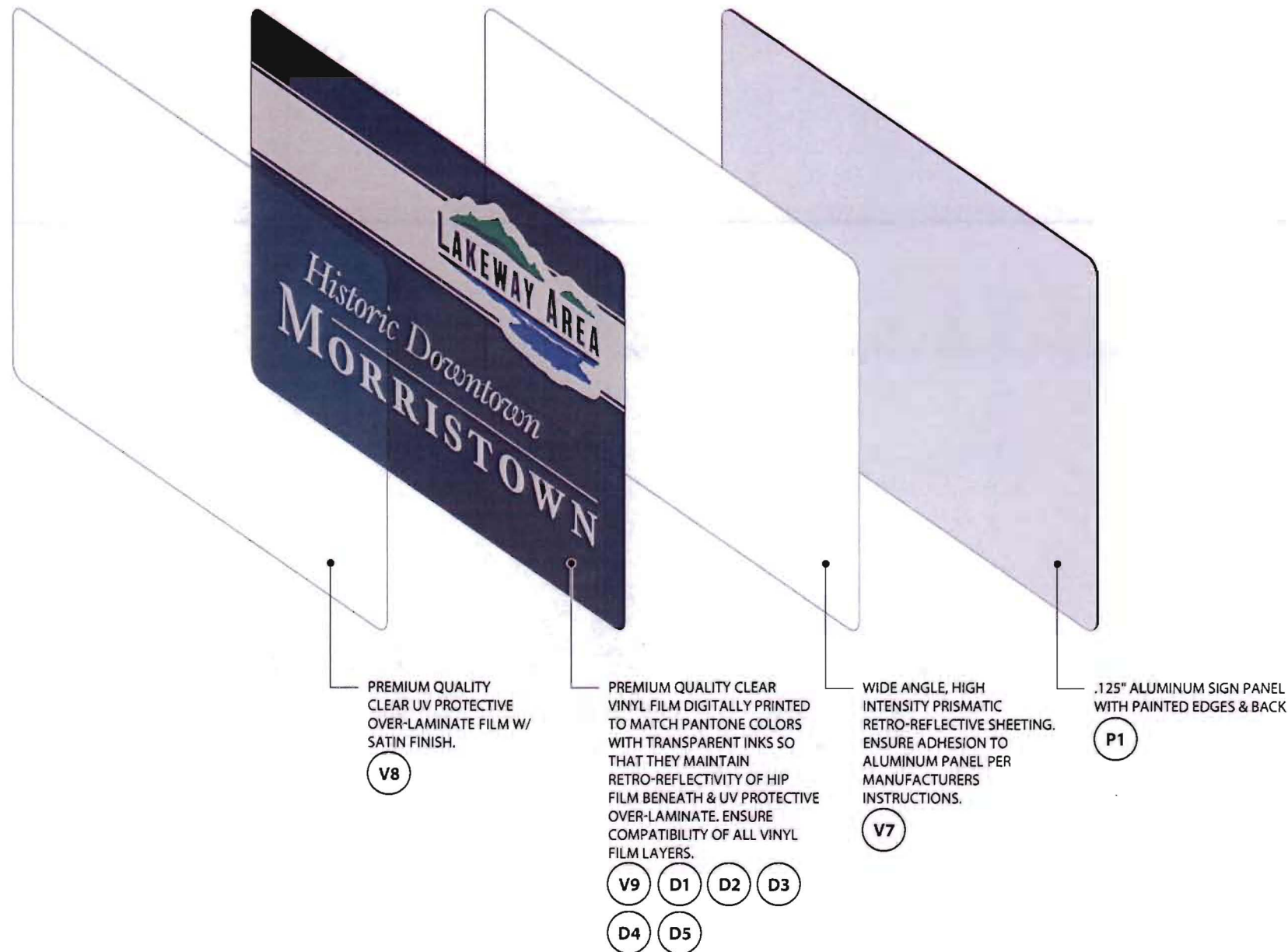
As Noted

D-06



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#### PROJECT

Lakeway Area  
Regional Wayfinding  
Program

Design Intent Drawings

Reflective Panel

Layering Diagram

#### NOTES

VARIOUS GRADES & APPLICATION SPECIFIC TYPES OF EXTERIOR GRADE, HIGH PERFORMANCE, MUTCD COMPLIANT ADHESIVE VINYL W/ MINIMUM 8 YEAR WARRANTY OR APPROVED EQUAL IN ADVANCE BY THE DESIGN CONSULTANT. ENSURE ALL LAYERED VINYL IS COMPATIBLE. VINYL MANUFACTURERS: ORACAL, 3M, AVERY, NIPPON CARBIDE.

Kimley»Horn

#### DATE DESCRIPTION

09.08.14	Schematic Design
04.17.15	Design Intent

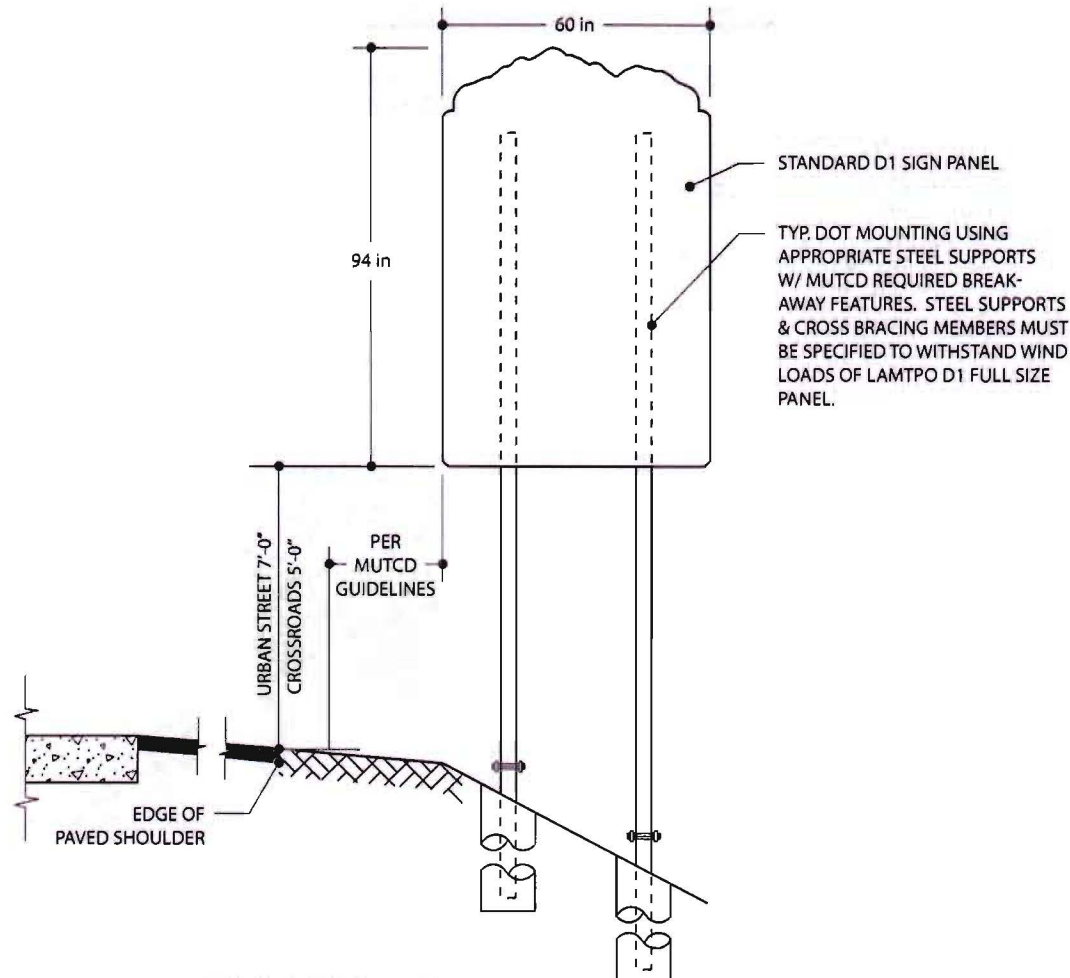
#### SCALE PAGE

As Noted	D-08
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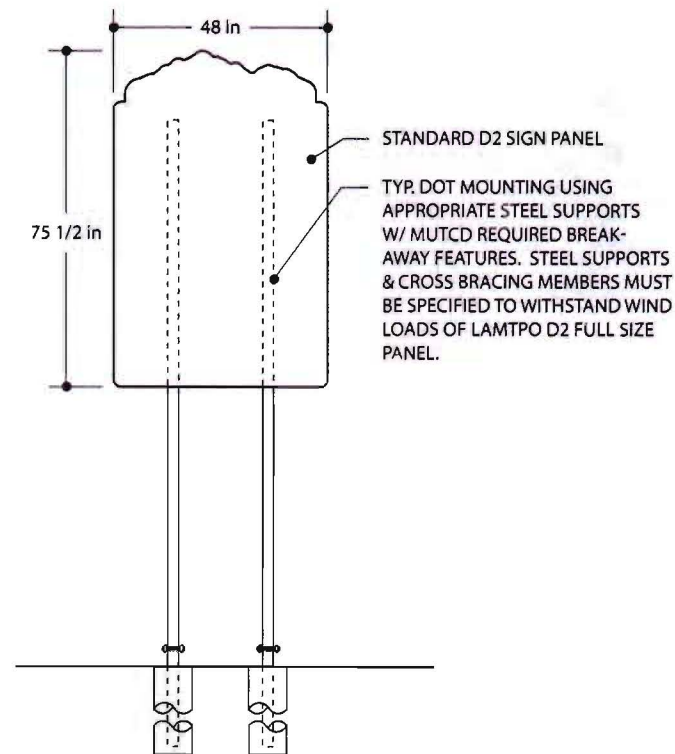


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NOTE:  
DETAILS FOR CONTRACTOR CONVENIENCE  
ONLY. PROVIDE ENGINEER STAMPED SHOP  
DRAWINGS FOR APPROVAL PRIOR TO  
CONSTRUCTION.



FRONT ELEVATION - D1 Add/Alternate  
SCALE: NTS



FRONT ELEVATION - D2 Add/Alternate  
SCALE: NTS



PROJECT

Lakeway Area  
Regional Wayfinding  
Program

Design Intent Drawings

D1 & D2 Add/Alternates

NOTES

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DATE DESCRIPTION

09.08.14	Schematic Design
04.17.15	Design Intent

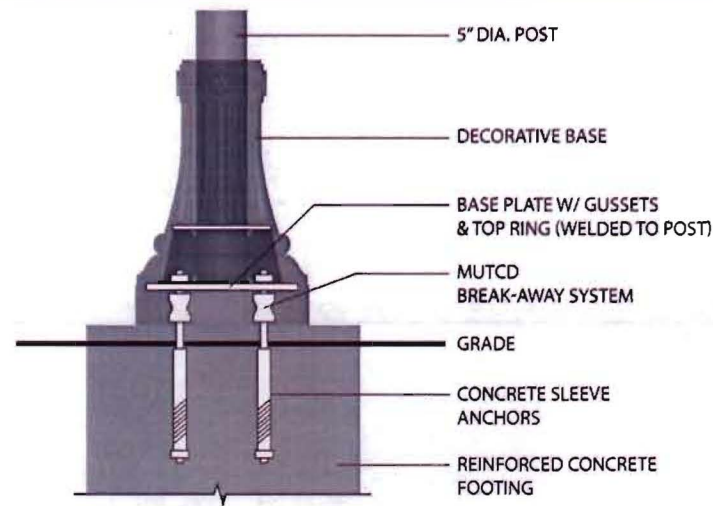
SCALE PAGE

As Noted	D-07
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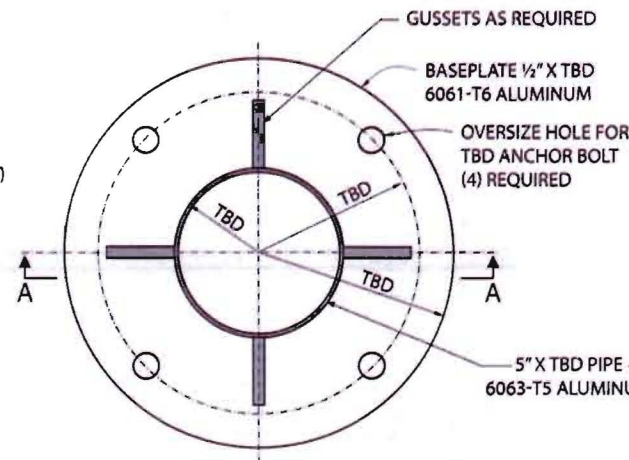


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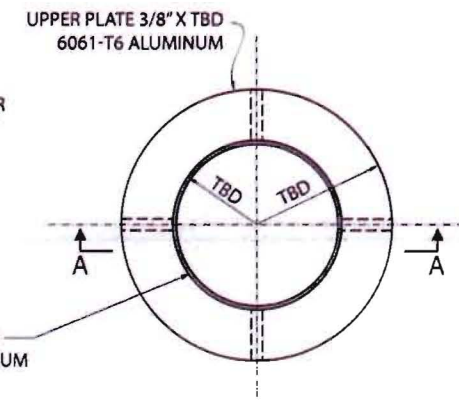




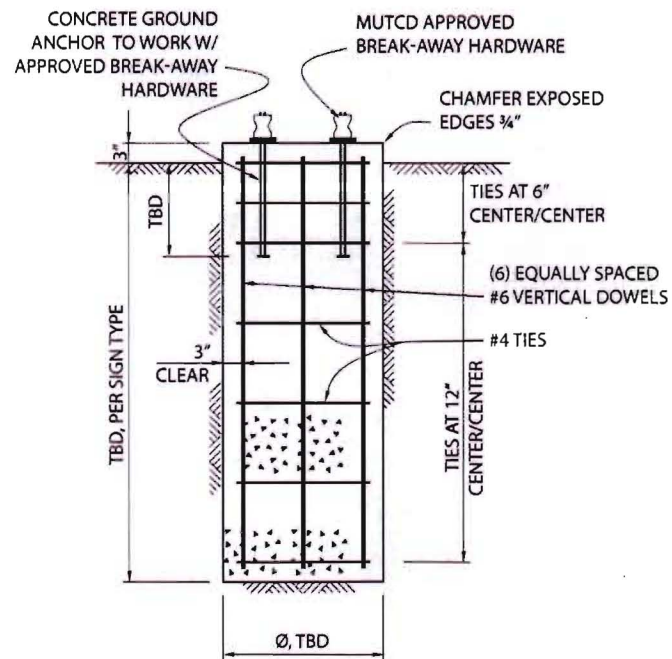
**SECTION ELEVATION - Break-Away Detail**  
SCALE: NTS



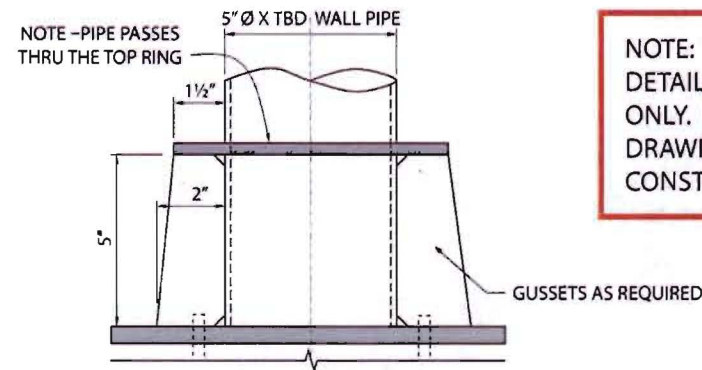
**PLAN VIEW - Sign Baseplate Detail**  
SCALE: NTS



**PLAN VIEW - Base Top Ring Detail**  
SCALE: NTS



**SECTION ELEVATION - Sign Foundation Detail**  
SCALE: NTS



NOTE: BASE PLATE IS SOLID. CONNECT BASE PLATE TO PIPE.

**SECTION AA - Sign Baseplate Detail**  
SCALE: NTS

**NOTE:**  
DETAILS FOR CONTRACTOR CONVENIENCE ONLY. PROVIDE ENGINEER STAMPED SHOP DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION.



**PROJECT**

Lakeway Area  
Regional Wayfinding  
Program

Design Intent Drawings

G3, D1, D2 - Foundation

& Break-Away Details

**NOTES**

**Kimley»Horn**

**DATE DESCRIPTION**

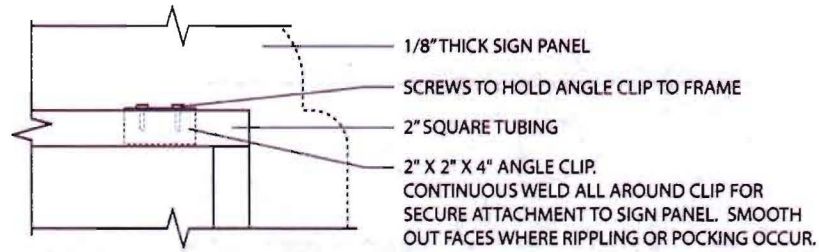
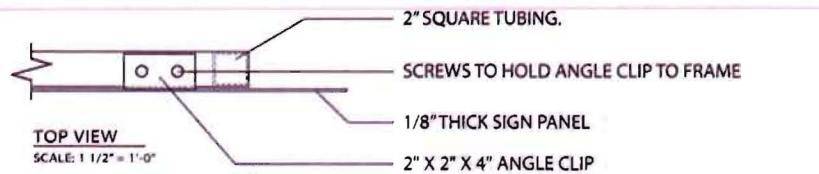
09.08.14	Schematic Design
04.17.15	Design Intent

**SCALE PAGE**

As Noted	D-09
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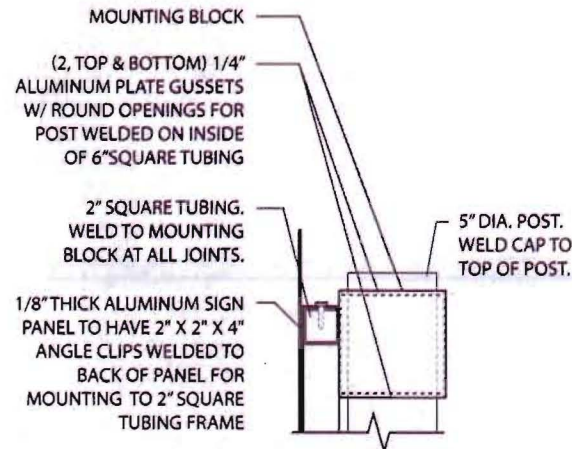


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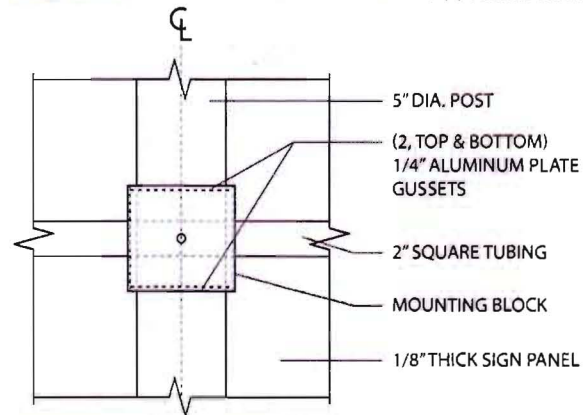
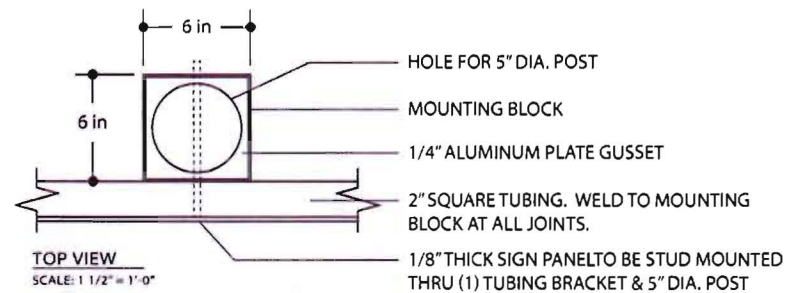
FRONT VIEW - Angle Clip Mount

SCALE: 1 1/2" = 1'-0"



SIDE VIEW

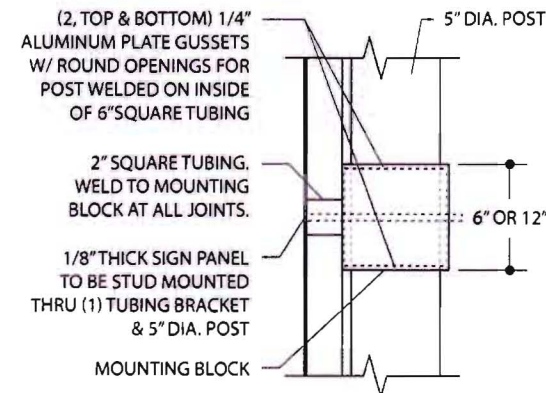
SCALE: 1 1/2" = 1'-0"



FRONT VIEW - Mounting Block

SCALE: 1 1/2" = 1'-0"

NOTE:  
DETAILS FOR CONTRACTOR CONVENIENCE ONLY. PROVIDE ENGINEER STAMPED SHOP DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION.



SIDE VIEW

SCALE: 1 1/2" = 1'-0"



PROJECT

Lakeway Area  
Regional Wayfinding  
Program

Design Intent Drawings

G3, D1, D2 - Angle Clip &

Mounting Block Details

NOTES

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DATE DESCRIPTION

09.08.14 Schematic Design  
04.17.15 Design Intent

SCALE PAGE

As Noted D-10