In an effort to provide better communications with the utilities, consultants, and the Department,

And work toward a cooperative atmosphere in efficiently and effectively facilitating the utility coordination efforts,

And hopefully cooperative addressing construction delays, and reduce unnecessary cost to the utility rate payers and taxpayers.
A. Introduction – Schedules / Housekeeping / Website / TEAMS / Region Staff
B. Utility Opportunities for Participation
C. Changes to Buy America
D. Utility Consultants
E. CADD Disclaimer / 3-D Underground Utility Conflicts
F. A – Date Submittals / Relocation Estimate / Schedule of Calendar Days
G. B – Date Submittals / MOVE IN / Specifications / Utility Items / Utility Estimate / Utility Easements
H. CADD Guidelines
I. Utility Environmental
J. Utility Invoicing
K. Railroad Coordination
L. Utility Permits
M. Utility Rules and Regulations
N. Cellular installation permitting
O. Street Lighting reimbursement
Q. UCC Consultants
R. Utility Participation
S. GIS initiative
T. TDOT Proposed Projects
<table>
<thead>
<tr>
<th>Date</th>
<th>City</th>
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<tr>
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<td>Chattanooga</td>
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<tr>
<td></td>
<td>Jackson</td>
</tr>
</tbody>
</table>
Housekeeping

- **TDOT Staff:**
  - Joe Shaw: Asst Director ROW Division
  - Michael Horlacher: State Utility Coordinator
  - Ben Greeson: HQ Utility Coordinator Reg 1 & 2
  - Monica Cromer: HQ Utility Coordinator Reg 3 & 4
  - Shawn Allen: HQ Utility/Railroad Support
  - Joan Haynes: HQ Utility Early Notify
  - Jay Lanius: HQ Railroad Coordinator

- **Region Staff:**
  - Gus Awali: Rg Utility Coordinator Region 1
  - Steve Langford: Rg Utility Coordinator Region 2
  - Jim Nikahd: Rg Utility Coordinator Region 3
  - Willie Coleman: Rg Utility Coordinator Region 4

- **WEBSITE** – resource for information

- Breaks
- Lunch – on your own
- Restrooms
- Smoking
- Emergency

Utility Workshop 2017
Utility Workshop 2017

http://www.tn.gov/tdot/section/row
Guidebook

Available on the website

http://www.tn.gov/assets/entities/tdot/attachments/TDOT_utilities_guidebook_w-appendix_041612.pdf

Utility Workshop 2017
Re-organization Regional TEAM – Project Development
- RG Director
  Project Development
  - RG TEAMS have a project from concept to construction letting
    Design Members
    ROW Acquisition Members
    Utility Coordination Member
  - RG TECHNICAL Group
    Technical ROW
    including Utility Office
    Technical Survey
    Technical Environmental
  Operations
    Now includes Maintenance and Construction combined
- HQ
  - Design Administration
  - ROW Administration including Utility office
  - Structural Design
  - Environmental Administration

Utility Workshop 2017
Region Staff

RG 1 Knoxville
- Gus Awali 865.594.2685 gus.awali@tn.gov
- Lisa Addison 865.594.2685 lisa.addison@tn.gov
- Royce Fout Permits 865.594.2685 royce.fout@tn.gov

RG 2 Chattanooga
- Steve Langford 423.510.1243 steve.langford@tn.gov
- Seth Freer 423.510.1127 seth.freer@tn.gov
- Andrew Miller 423.510.1244 andrew.miller@tn.gov
- Jim Thompson Permits 423.510.1274 jim.thompson@tn.gov

RG 3 Nashville
- Jim Nikahd 615.350.4233 jim.nikahd@tn.gov
- Iraj Eghbali 615.350.4234 iraj.eghbali@tn.gov
- Christopher Johnston 615.350.4235 christopher.johnston@tn.gov
- Tim Ross Permits 615.350.4230 tim.ross@tn.gov

RG 4 Jackson
- Willie Coleman 731.935.0160 wille.coleman@tn.gov

- Patrick Walker Permits 731.343.0038 patrick.walker@tn.gov

Utility Workshop 2017
TDOT Participation

• Early Notification
  If you are on/near project provided to TDOT surveyors + TN1CALL marks
  Courtesy to utilities to locate existing facilities TCA 54-5-854 (b)

• Public Meetings

• NEPA meetings

• Utilities are invited to all Design development meetings
  (Field Reviews)

• Utility coordination (UCCC projects currently)

• Constructability Review Meeting

• Preconstruction Meeting

• Subsurface Utility Engineering
  (Available during engineering if conflicts can be avoided)

Several opportunities for Utility/Consultant input.

Utility Workshop 2017
Buy America

The project either: (i) Includes no permanently incorporated steel or iron materials, or (ii) if steel or iron materials are to be used, all manufacturing processes, including application of a coating, for these materials must occur in the United States. Coating includes all processes which protect or enhance the value of the material to which the coating is applied.

July 12, 2012 Moving Ahead for Progress in the 21st Century Act (MAP-21)
Dec 21, 2012 FHWA Memorandum clarification 90% steel content
Dec 31, 2013 FHWA mandated Compliance
Jan 1, 2014 TDOT enacted procedural changes
Dec 22, 2015 U.S. District Court Decision
Mar 1, 2016 TDOT enacted procedural changes
Buy America Waiver Notification for Commercially Available Off-the-Shelf (COTS) Products With Steel or Iron Components and for Steel Tie Wire Permanently Incorporated in Precast Concrete Products
• Must be approved by TDOT prior to incurring cost
• Continuous Contract
• Utility Staff / Combination
• Electronic **MicroStation** Files

If TDOT sends you electronic files, **TDOT requires** electronic utility files be returned

**Utility Workshop 2017**
3-D UG Utility Conflicts

TDOT

- Moving Phased traffic control into ROW Plans
  (contractor can propose a different traffic phasing)
- Moving noise barrier / retaining walls into ROW plans
  (contractor can propose a different traffic phasing)
- Moving storm sewer design into the ROW Plans
- Utilities receiving CADD files required to provide 3-D proposed plan
- TDOT using software will model UG proposed facilities Highway & Utility
  Identify potential conflicts
  Reduce construction delays resulting from conflicts
A-Date Submittals

A-date NEVER changes from that stated on the PE authorization letter

- Electronic MicroStation plans for any attachments to structures. Must be approved by TDOT prior to inclusion in the plans.
- Electronic MicroStation “Location Approval” plans or RAINBOW PLANS color coded as directed in authorization letter indicating existing facilities, to be removed, added, temporary, or to remain.
- Cost Estimate TDOT Form 2015-16 REQUIRED. Clearly indicate percent public and private on estimate. Include:
  - Engineering Cost
  - Construction Cost (Includes Staking & Clearing/Grubbing if request Move Prior)
  - Replacement Easement Cost
- Declaration of Scheduled Calendar Man days (Form 2015-16, sheet 9.1)
- Letter Request for Reimbursement
  @ Private Easement/Property
  @ Move Prior/Before Letting
  @ Include Work in State contract
  @ Utility facilities are Not On Project
  @ Utility not requesting reimbursement, will move at No Cost

The Utility MUST have an executed contract with TDOT before any relocation cost can be incurred.

State law requires a utility to show existing facilities on TDOT plans. TDOT survey is courtesy.

Utility Workshop 2017
• Cost Estimate
TDOT Form 2015-16 REQUIRED.
• TDOT will begin to include the Schedule in the 105B Specifications becoming part of the highway contract bid documents.
• TDOT Holidays listed Based on Calendar Days
• Consider construction phasing
• Special Conditions
• Utility Performing Work responsible:
  - Survey
  - Staking
  - Clearing / Grubbing
  - Tree trimming
  - Environmental Permits
  - Etc.

Statute fine is based on the approved schedule of calendar days.
B-date **change** often from that stated on the PE authorization letter. If the **letting** date changes, the **B-date** changes. Complex projects B-date will be 28 weeks prior to letting.

Check with the Region Utility Office when you schedule BEGIN work to meet the B-date on the PE letter. If that date has changed, you may want to delay your BEGIN work to avoid revisions or Phased Construction (Baby PIN’s).

- **Electronic MicroStation Detail construction Plans** (U-2, U-3, etc.)
  - Sheet numbers assigned by TDOT when approval provided to include MOVE IN
- **Electronic Detail specifications** (WORD or PDF)
  - Specification details to follow in this presentation.
- **Electronic MCES Spreadsheet** (Excel)
  - Composite percentage.
Utility receives ROW plans (120 day clock begins)

- Does the utility have facilities on existing private easements that will be replaced? No
- Does the utility have in-house engineering capability and staffing? Yes
- Did the utility submit initial response within 120 days? Yes
- Did the utility wish to move their facilities prior to letting? Yes
- Contract execution: Does utility agree to terms, sign contract? Yes
- Utility sent original contract and put to work
- Utility completes relocation work.
- Did the utility complete their work by the contract completion date? Yes
- Did utility do significant additional work without specific written authorization or fail to complete their work by the contract completion date? No
- Utility can submit billing for payment
- Utility payment after verification

- No
- Does the utility have facilities on existing private easements that will be replaced? Yes
- Does the utility have in-house engineering capability and staffing? No
- Utility must submit engr. approval package (forms on website)
- TDOT engineering approval (see note 1)
- Easement Replacement contract (see note 8)

- Yes
- Utility must submit a request for a separate easement replacement contract (see note 6)

- No
- Did the utility complete their work by the contract completion date? No
- Utility payment after verification

Utility Workshop 2017

Special Note: This is to be used as a general summary only and is not intended to include all requirements utilities must comply with to have their TDOT projects paid.

Appreciation is expressed to Volkert for assisting in the creation of the graphics.
The utility cannot be reimbursed for any engineering work prior to approval.

1. If utility loses Chapter 86 eligibility, the utility can request a partial reimbursement of relocation costs and engineering based on portion of facilities on existing private easements.
2. Utility must declare if betterment is to be included and whether existing private easements are to be replaced.
3. Any change in scope of proposed relocation work must be submitted to regional utility office for review and approval prior to work beginning.
4. This can be done prior to letting if work is complete.
5. The easement replacement costs are not to be included in the relocation cost estimate.

Separate “Easement” Contract

6. Including electronic plans, electronic specifications, and other items as directed by the regional utilities office.
7. If the utility plans to include work by state contractors on new easements, documentation of new easements and conveyance must be provided by the letting dates.
8. Submission includes, but may not be limited to, the following:
   • Electronic conceptual relocation plans
   • Standard Estimate Form 2015-16 (Website)

9. Forms and references are available on our website to assist: http://www.tn.gov/tdot/article/row-utilities-office-forms

10. Utility is required to provide inspection: applicable specifications and safety codes. Utility Acceptance. Reimbursed if “private” compensable cost. (% “PUBLIC “ is not reimbursed per TCA 54-5-804(3))
1) **Civil Penalty**

54-5-854. Project plans -- Copies -- Marking, approval, and changes -- Liability -- Civil penalties.

**(h) (1) (A)** If the owner fails to complete the required installation, relocation or adjustment of its utility facilities within the approved schedule of calendar days as approved by the department, the commissioner of transportation shall have the authority to assess and collect from the owner a civil penalty in the amount of five hundred dollars ($500) for each calendar day after the scheduled completion date that the owner fails to complete the required installation, relocation or adjustment. Owners having less than three thousand (3,000) customers shall be subject to the assessment of a civil penalty not to exceed two hundred fifty dollars ($250) per calendar day when the owner fails to complete the required installation, relocation or adjustment of its utility facilities within the approved schedule of calendar days.

2) **Chapter 86 Reimbursement**

**Policy Number 340-07**

If a **Move Prior** Contract is requested, it will be reviewed on a case by case basis and only approved if it is determined to be beneficial to the Department highway construction schedule. Municipally Owned utilities, Utility Districts, Utility Cooperatives will be eligible for 50% of the relocation cost. All other utilities will be eligible for 25% of the relocation cost for utility facilities located on public highway rights-of-way.

If a **Move In** Contract is requested, Municipally Owned utilities, Utility Districts, Utility Cooperatives will be eligible for 100% of the relocation cost. All other utilities will be eligible for 75% of the relocation cost for utility facilities located on public highway rights-of-way. Capped at $1.75 Million.
If the utility relocation construction occurs outside the proposed ROW, the utility will have to acquire all necessary property easement to construct their facility.

• State Highway contractor cannot work outside project limits

• Utility must show easements on their plans.

• Utility must convey rights to State highway contractor to access property.

• Utility easement must be acquired prior to the project advertisement. (Previously prior to Construction, project delays experienced due to utility easement issues)

• Utility MUST NOTIFY TDOT of the completed property acquisitions.

• TDOT must have utility construction easement on plans prior to plan assembly to provide for erosion control measures.

• TDOT will acquire construction environmental permits for utility work.
Specify exactly what the utility wants the State Contractor

- Time period of acceptable Service Outage
- Required License, Certification, Drug testing of workers submitted to the utility.
- Liability Insurance submitted to the utility
- Approval of Material, material certifications submitted to the utility
- Approval of shop drawings submitted to the utility
- Approval of field changes submitted to the utility
- Approval of substitution materials or methods submitted to the utility
- Clearing/trimming of overhead lines inside/outside public ROW.
- Locating utility lines during construction not identified by utility locate services.
- Work inside customers residences such as re-lighting pilot lights, re-establishing services, etc. will be the responsibility of the utility
- Industry standards, safety standards, and material standards.
- Name, address, phone, E-mail, fax, cell phone of utility approval contact
Utility construction plans included in Highway Contract plans

• No boiler plate “contract” language allowed.
• No proprietary material (Similar / like is allowed)
  Utility can provide material with an “exception” MOVE IN contract

• Standard TDOT Utility Item Numbers.

• Can use utility Standard Contract Specifications.

Note:
Phased Construction (Baby PIN’s) utility transitions may need to be addressed since utility relocation construction will be limited to the project limits of the Phased Construction.
Utility Workshop 2017

Utility Items

http://www.tn.gov/tdot/article/construction-standard-utility-items

Currently Out of Date
Utility Items

- Utility Item lists identifies those items that have been determined require Buy America Compliance.
- If there is not a Utility Item that fits your needs, Contact the Regional Utility Office. Once they verify the need for a NEW Utility Item Number, they will submit it to
  
  TDOT Construction
  Darrell Bost

who will work with you to develop a NEW utility item if necessary.
| ITEM | DESCRIPTION | UNIT | UNIT PRICE | EST QUANTITY | PROJECT A | PROJECT B | PROJECT C | PROJECT D | PROJECT E | PROJECT F | PROJECT G | PROJECT H | PROJECT I | PROJECT J | PROJECT K | PROJECT L | PROJECT M | PROJECT N | PROJECT O | PROJECT P | PROJECT Q | PROJECT R | PROJECT S | PROJECT T | PROJECT U | PROJECT V | PROJECT W | PROJECT X | PROJECT Y | PROJECT Z |
|------|-------------|------|------------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
Utility construction plans included in Highway Contract plans
Utility construction plans included in Highway Contract plans
MicroStation STANDARDS

- Levels
- Pen tables
- Cells
- Sheet borders
- File naming

Gresham Smith & Partners provided MicroStation Files posted to the TDOT Utility Website for your use:

- TDOT A Date.tbl – print “A” Date packages
- TDOT B Date.tbl – print “B” Date packages
- TDOT PDF.pltcfg – print PDF
- TDOT Color Table.tbl – adjusted print shop

Utility Workshop 2017
TDOT Contractor Performing Construction

MOVE IN

- TDOT obtains construction environmental permits
- Utility assumes “after” construction conditions of those permits

Corp of Engineers
TDEC
TVA
Utility Performing Construction

MOVE PRIOR or PERMITS where utility performing construction

- Utility acquires all necessary permits
Aquatic Resource Alteration Permit (ARAP)


- Dredging, excavation, channel widening, or straightening
- Bank sloping; stabilization
- Channel relocation
- Water diversions or withdrawals
- Dams, weirs, dikes, levees or other similar structures
- Flooding, excavating, draining and/or filling a wetland
- Road and utility crossings
- Structural fill
- Clay plug
- Parallel to Stream
- Stream Crossing

Utility Workshop 2017
• Consultant Engineering Cost
  - Project Specific
  - Continuing Contract
  - Approval Date
• Utility Contract Bid Concurrence
• Utility Staff Engineering Cost
• Utility Relocation Construction Cost
• Utility Inspection Cost
• Utility Clerical Cost
Consultant Cost

Consultant Engineering reimbursement is most commonly the first invoice submitted:

• Utility must submit request for reimbursement, not the Consultant. The consultant is under contract to the utility.

• Utility submits documentation the utility has been paid.

• Utility INVOICE to the utility should comply with TDOT Invoicing requirements to avoid delays and added time/expenses.

• Engineering approved amount is CAPPED. If scope of work changes, a revision must be requested and approved prior to additional work being performed.

• Engineering OVERHEAD Rate is billed at the rate in effect at the date of the invoice, not the date of the services rendered per instructions from TDOT Finance Office.

• TDOT pays 80% of reimbursement contract TOTAL.

(Generally the majority of the Consultant Engineering cost is paid early on MOVE PRIOR invoices, and this does not affect consultant engineering reimbursement. Construction reimbursement generally contribute majority to final invoice. Reimbursement contracts, such as MOVE IN, where the majority of the reimbursement is for services, may be affected. TDOT would determine if the commensurate engineering scope has been completed prior to final payment.)

The remaining 20% invoiced is held until the FINAL INVOICE is submitted.

Be sure that at least 80% of the utility relocation work is completed.
Invoice must include / requirements:

- Supplier Name
- Supplier Contact Information
- Supplier remittance Address
- TDOT State Project Number
- TDOT PIN Number
- Federal Project Number, if applicable
- TDOT Contract Number/Work Order Number
- Invoice Date
- Invoice Number – unique & assigned by vendor (default use contract # sequence e.g. CU1111-05)
- Invoice must indicate whether it is a partial or final billing
- Pay Terms (default 45 days)
- Total Amount Due
- Billing Period / Service Period
  - Must be separated by Fiscal Year
  - Must be within Contract Terms
- DO NOT INCLUDE Previously Invoiced Amount – this may delay processing your invoice.
- Invoice must be signed by a company representative
- The invoice must summarize by cost/expense category.
TDOT Templates

- Minimum Info needed
- Utility Schedules and logs may be submitted if they provide the same information.

Summary Page

Utility Workshop 2017
Direct Labor Summary

Labor Schedule* –

- employee name and/or employee ID
- Title
- Rate of pay
- Number of hours
- Date(s) worked and
- Total.
## Direct Labor Log

- Employee Name or ID Number
- Title
- Rate of Pay
- Number of Hours
- Date(s) worked
- Total

**Burden Benefits**: itemized reports from payroll or accounting systems

---

### Direct Labor Log

| Rate | Employee Name | Title | Rate | Total Hours | Amount | Format
|------|---------------|-------|------|-------------|--------|-------
|      |               |       |      |             |        |       
|      |               |       |      |             |        |       
|      |               |       |      |             |        |       
|      |               |       |      |             |        |       
|      |               |       |      |             |        |       
|      |               |       |      |             |        |       
|      |               |       |      |             |        |       
|      |               |       |      |             |        |       
|      |               |       |      |             |        |       

**Direct Labor Total**: - - **0.00** - - **0.00**
Direct Cost

- Equipment* – logs or summaries of equipment (date, description, usage rate, total)
- Rental invoices
- Materials & Supplies* – Itemized statements detailing
  - Stores – Part, Unit Cost, Quantity & Date
  - items purchased – Copies of Invoice
- Business Expenses* – copies of receipts must accompany invoice for all amounts.
  Travel expenses or phone charges should not be included here.
- Phone Charges*– copy of bill/receipt and purpose
  If charges are not included in overhead
Overhead Cost

- Consultant Engineering
- Overhead Rate
  - Federal Rate / State Rate
  - Established TDOT External Audit Office of Finance Division
  - If no TDOT approved overhead, rate will be limited to 125%
  - Date the invoice is submitted determines the Overhead Rate allowed.
Subcontractor Invoices

- Costs listed on separate schedule
- NOT included in the Direct Costs Schedule
- Same level of detail must be provided.
- Payment made to subcontractors
Mileage Log

Mileage, Travel Expenses, & Meals

• **Method A:**
  Use of the utility’s existing written travel policy.

• **Method B:**
  Use of State of TN comprehensive travel regulations.

For either method selected, the detailed documentation required will be according to the travel policy method selected.

• If a subcontractor has travel expenses, they will be reimbursed according to the travel policy method selected by the utility.

<table>
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<th>Employee Name</th>
<th>Date(s) of Travel</th>
<th>Beginning and Ending Locations</th>
<th>Number of Miles</th>
<th>Rate</th>
<th>Purpose of Travel</th>
</tr>
</thead>
</table>

Utility Workshop 2017
Appreciation is expressed to GSP for assisting in the creation of the spreadsheet.

Utility Workshop 2017
Regional Utility Office Checklist

- Invoice must indicate date received within TDOT division
- Check all addition and mathematical calculations.
- Our office will use the industry standard in regard to “rounding” being three decimals
- Supporting documentation should be validated per utility invoicing requirements
- Check for Certificate of Contract Obligation and Buy America Certification, if applicable
- Invoice must be approved by appropriate TDOT personnel
- Invoice Reductions:
  - The division should not mark invoices up, with the exception of pennies for rounding differences.
    - If significant changes are necessary, an updated invoice should be requested from the vendor.

An amendment is required for the following reasons:
- A change in date that the work should be completed by
- Amount due exceeds the contract estimate
- Unit price changed from approved low bid contract
- Scope change, extra work, or major changes requires an additional approval from FHWA, per 23 CFR 645.113

- What defines a change in scope on a utility contract? Any major deviation from the utility’s original proposed scope of engineering services.
- TDOT separation of ROW project into multiple construction projects requiring additional engineering for transitions necessary to maintain utility services, therefore necessitating changes to the utility detail plans
- Quantities must be documented in the construction diaries.
  - Any quantity increases in excess of 20% must have a justification letter that is approved by TDOT prior to payment.
- TDOT External Audit will review all final invoices if the contract meets or exceeds $100,000.00, prior to the invoice being processed for payment.
All utility invoices have to be approved by TDOT Project Supervisors. TIP: Keep them happy and your invoices get approved quickly.

✓ Notify construction when you begin work per Go TO Work Letter.

✓ Keep utility diaries up to date per utility reimbursement contract.

✓ Not acceptance / rejections / concerns on the Utility Diaries.
• Permits or Relocations utility installations
• Utility is responsible for any easement or permit for the installation of a utility facility that crosses a railroad.
• If a compensable relocation reimbursement for the railroad crossing cost is eligible.
• TDOT may be involved if relocation requires micro tunneling under the railroad to facilitate the utility relocation efforts.
• TDOT Railroad Coordinator can offer advice, provide railroad contact.

Jay Lanius
J.K Polk Bldg., Nashville
(p) 615.253.1106
(e) jay.lanius@tn.gov
• Construction Relocations are in fact permitted installations
• Traffic control must be in compliance with MUTCD and approved by Region Utility Office permit coordinator.
• Pavement repairs
  - Flowable fill
  - Compaction
  - Infrared patching
• Plating cuts in winter (Restrictions to accommodate snow plows)
• Facilities CANNOT be “abandoned” they may be allowed to be “retired in place”.
• Promulgated Rules and Regulations
  [link to rules and regulations]
• Tips to get your bond released:
  Keep your utility inspector happy!
  Keep them informed of when you are working.
• **General Agreement**
  Multiple installations under one (1) running surety bond

• **Individual Bond**
  One installation under one (1) surety bond.
Permit Installations

- Utility name
- Project county
- State Route
- Mile marker (to the nearest tenth of a mile)
- GIS Lat-Long
- Physical length of project
- Scope of work to be done
- Location within the R/W (Measure from EOP)
- Some project types will require additional information.

Approved Permit and Plans MUST BE on site during construction.
Specific types of projects will require more specific detailed information about the project.

– Overhead utilities
  • Min height of lowest line above roadway
  • Pole locations distances from R/W line and EOP

– Underground utilities
  • Depth of ground cover
  • Road bore diameter and length of bore
  • Forced main sewer location of pump

– Lighting
  (Photometrics to be sent to Nashville)
 Permit Installations

- Request from Utility which has been signed by individual authorized to obligate the Utility in a contract.
- Environmental Agreement & EPSC plan if necessary (Erosion Prevention and Sediment Control)
- Include proposed construction plan or sketch
  - 5 copies if project involves roadway lighting, culvert or bridge encroachment or installation by a consultant who requires a set of plans.
  - 3 copies for all other permits.
- Include Traffic Control (Compliance with MUTCD)
- Plan Color coding:
  - **Red**: Proposed facilities
  - **Green**: Existing facilities to be removed
  - **Yellow** or **Orange**: Existing facilities to remain
  - **Blue**: Temporary facilities
• Current Policy
  – Installation on existing poles when possible
  – Not allowed on structures
  – Monopoles and Ground Mounted Cabinets permitted on case by case basis
  – Towers not allowed
Cellular Installations

- Utility Concerns
  - Joint Use Agreements
  - Safety around power lines

- The future...
• Street Lights are a utility

• Reimbursement
  – Chapter 86
  – Private ROW/Easement
• Relocations
• Permitting
• Invoicing
• Railroads
• Augment the TDOT staff resources
Make recommendations to TDOT Staff but does not have approval authority. TDOT Approves.

• De-confliction meetings
Meet all utilities after plans distributed to coordinate relocation placement / issues.

• UCCC Access the IRIS (Integrated ROW Information System) to enter current information to available TDOT Utility Staff.

• UCCC Work order runs through Preconstruction Meeting with Contractor.

• Soliciting for new contracts – Ad for September 2017 contracts
Invited and encouraged to attend Design meetings
TDOT Constructability Meetings
Moving design needed by utilities into ROW Plans –
Phased construction
Storm Sewer
Retaining Walls
Bridge end walls
Sound barrier walls
Subsurface Utility Engineering (SUE)
Any suggestions on avoiding utility relocations
Any suggestions on avoiding construction delays.

Need Utilities/Consultants help to avoid delays during construction. Tax Payer or Rate Payer the citizens of the state are paying.
**GIS Initiative**

IRIS is the TDOT Integrated ROW Information System

**GIS capabilities**

Utility Permits locations
- Conflicts with proposed highway projects
- Conflicts with excess land sales
- Conflicts with pyritic encapsulation sites

**Utility Early Notification**
- Localize notifications to your service area
- Maintains current contacts for utilities
- Maintains current contacts for consultants
- Form available on-line to update contacts
# TDOT Projects

http://www.tn.gov/tdot/topic/program-development-and-administration-state-programs

## TENNESSEE DEPARTMENT OF TRANSPORTATION
### PROPOSED FISCAL YEARS: 2017 - 2019
#### COMPREHENSIVE MULTIMODAL PROGRAM

<table>
<thead>
<tr>
<th>County</th>
<th>Route</th>
<th>Description</th>
<th>Length</th>
<th>Phase</th>
<th>FY-17</th>
<th>FY-18</th>
<th>FY-19</th>
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<tbody>
<tr>
<td>Bedford</td>
<td>SR-16</td>
<td>From Jenkins Road to SR-276 (Thompson Creek Road)</td>
<td>3.5</td>
<td>Construction</td>
<td>CN</td>
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<td>US-41A</td>
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<td></td>
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<tr>
<td>Benton</td>
<td>I-40</td>
<td>Westbound Truck Climbing Lane @ Mile Marker 133</td>
<td>1.1</td>
<td>Construction</td>
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<td>Blount</td>
<td>SR-115</td>
<td>(Relocated Alcoa Highway), From Hall Road (SR-35), South of Airport Road to Proposed Interchange serving Morristown / Fentress Airport</td>
<td>1.3</td>
<td>Construction</td>
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<td>Blount</td>
<td>SR-115</td>
<td>(Relocated Alcoa Highway), From SR-162 (Pellissippi Parkway) to South Singleton Station Road</td>
<td>1.3</td>
<td>Right-of-Way</td>
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<td>Bradley</td>
<td>SR-60</td>
<td>4-Lane North of I-75 (Westlake Drive) to SR-306</td>
<td>2.5</td>
<td>Construction</td>
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<td>Campbell</td>
<td>SR-63</td>
<td>Intersection of SR-297 and West of Old SR-63 to West of Sinking Creek Road (Truck Climbing Lano) (EPD) (Previous: Scott County Line to I-75 Pin 101406.00)</td>
<td>2.1</td>
<td>Construction</td>
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<td>Cooke</td>
<td>SR-35</td>
<td>Proposed Newport Bypass; SR-9 (US-25) to Saint Tide Hollow Road (EPD)</td>
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<td>US-321</td>
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<td>Cheatham</td>
<td>SR-49</td>
<td>From SR-12 to I-24 (Spot Improvements - TPR Option 4)</td>
<td>9.5</td>
<td>Right-of-Way</td>
<td>RW</td>
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http://www.tn.gov/tdot/article/local-information

Info about Regions
Operations
Project Development
Offices
Personnel
Districts

Link to Projects in area
https://www.tn.gov/tdot/section/projects
Location Map
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Utility Workshop 2017
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