

#### Bethany Watson, PE, AICP

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### Why are we here and what is the issue we are seeking to address within your community?

The City of Canton (Canton) is seeking feedback about a proposed solution to improve the State Route (SR) 140 / Waleska Road at SR 5 Business / Marietta Highway intersection located within the city limits (**Figure 1**). The proposed project includes increasing right turn lane storage, the installation of a concrete median to restrict access near the intersection, right-in / right-out improvements at the Walgreen's driveway and Hospital Road, signal improvements, and realignment of Shoal Creek Road to align with Mary Lane while still allowing truck access to businesses in the project area during construction. The proposed project would require the use of off-site detours at Shoal Creek Road and Hospital Road during construction (**Figures 2, 3, & 4**).

SR 140 / Waleska Road from SR 5 / Marietta Highway north to the city limits was identified in the 2019 SR 140 Corridor Planning Study (initiated by the City of Canton) as requiring operational improvements that include multimodal facilities. Without mitigation, the intersection of SR 140 / Waleska Road at SR 5 Business / Marietta Highway will be Level of Service (LOS) F in the design year 2048.

The project goal is to improve the operation of the intersection by increasing the left turn queue capacity for southbound SR 140 / Waleska Road traffic and to improve the sub-standard intersection skew of Shoal Creek Road with SR 140 / Waleska Road. A secondary goal of the project is to reduce the severity and frequency of crashes along the project corridor by installing a raised concrete median and relocating Shoal Creek Road to become a ninety degree-angled intersection across from Mary Lane.

There are pedestrian travel generators (commercial areas) within the project area, and the project lies between residential land uses and recreational land uses at the Etowah River. The proposed typical section includes a 5-foot wide sidewalk on the east side and an 8-foot wide sidewalk on the west side of the corridor (**Figures 5, 6, & 7**). Cherokee County High School is located within three miles of the project location, which meets the bicycle route warrant.

### Current conditions at the SR 140 / Waleska Road at SR 5 Business / Marietta Highway intersection:

- Existing SR 140 / Waleska Road has two 12-foot wide travel lanes, one in each direction, with right turn lanes at the Walgreens and Texaco station entrances.
- Right and left turn lanes (12-foot wide) at the SR 140 / Waleska Road and SR 5 Business / Marietta Highway intersection.
- There is no existing median.
- There is a 248-foot long segment of sidewalk (6.5-foot wide) beginning at the Walgreens entrance island and extending to the SR 140 / Waleska Road and SR 5 Business / Marietta Highway intersection.
- There is a 200-foot long segment of sidewalk (6.5-foot wide) beginning at the Edward Jones entrance and extending south along SR 140 / Waleska Road.
- There is a 5.5-foot wide grassed strip located between the sidewalks and the roadway.
- The existing SR 140 / Waleska Road and SR 5 Business / Marietta Highway intersection is signalized.
- The other intersections (Shoal Creek Road, Hospital Road, and Mary Lane) located along the project corridor are stop sign controlled.
- Overhead utilities are located along the west side of the corridor.

### Without this Project (No Build):

- The existing SR 140 / Waleska Road and SR 5 Business intersection would not be improved and traffic at the intersection and through the project corridor would continue to deteriorate over time.
- The intersections at Shoal Creek Road and Mary Lane would not be realigned and would remain at a skewed angle.

PI#: 0017789, County: Cherokee, Date: 8/22/2024

### **Benefits of Project Implementation:**

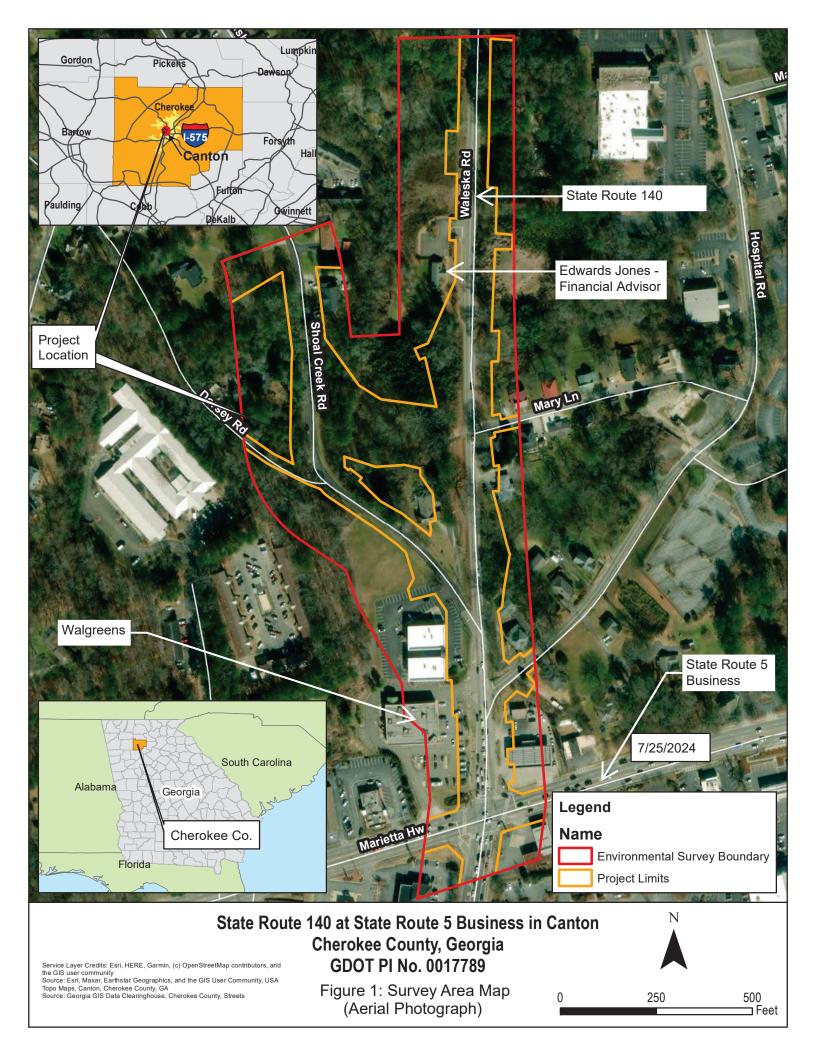
- The SR 140 / Waleska Road and SR 5 Business / Marietta Highway intersection would operate more efficiently and reduce travel delays through the project area.
- The skewed angle of the Shoal Creek Road and Mary Lane intersections would be realigned to a 90-degree angle, improving the sight lines for motorists traveling these two side roads.
- The safety condition of SR 140 / Waleska Road and the side roads would be improved.

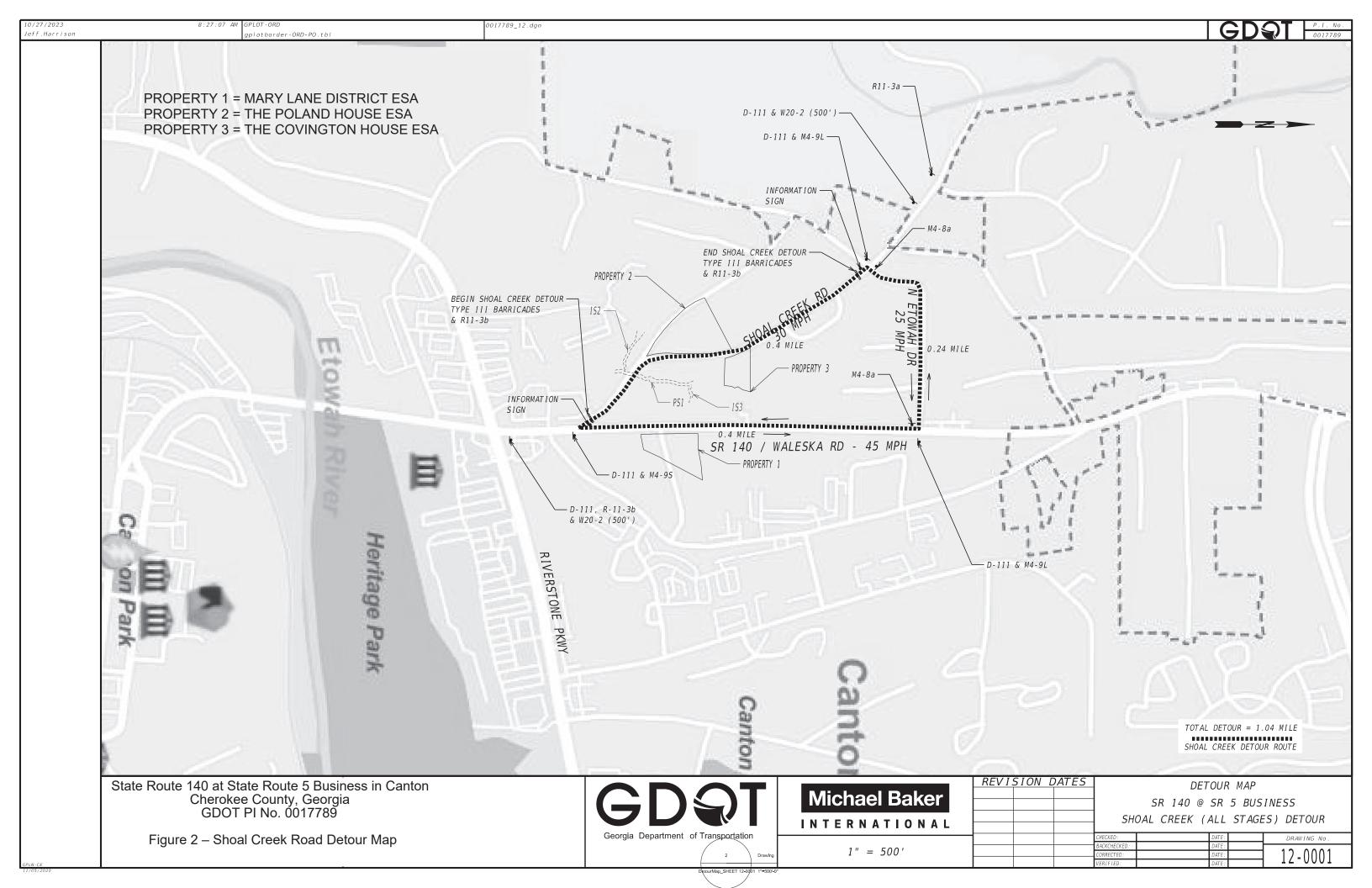
**How Can You Assist:** Please provide feedback regarding our proposed solution, as well as information about any resources important to you or the community. Are there events that future construction may affect once it begins?

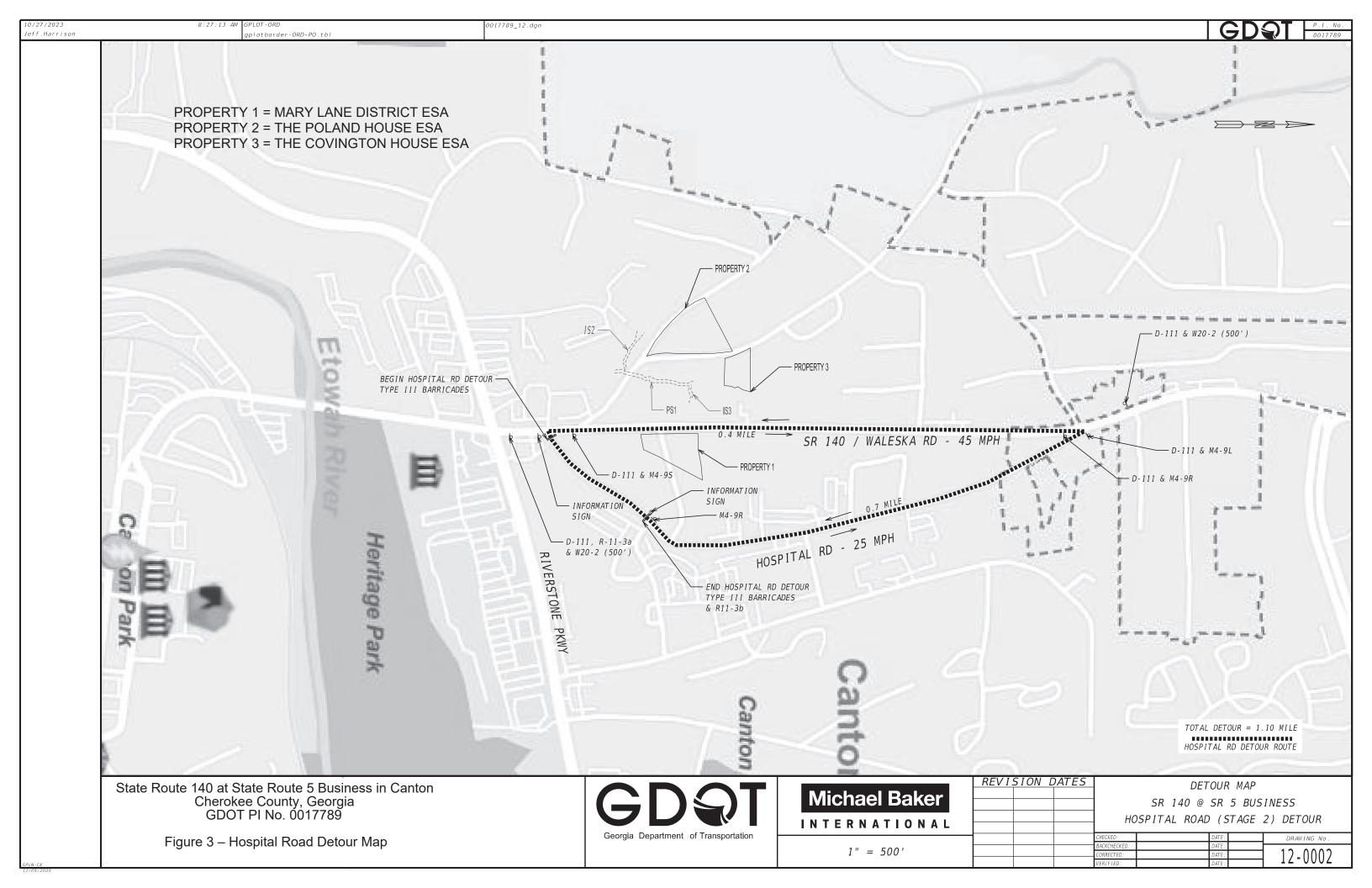
Where is this project in the process? This project is currently in the preliminary design phase. The preliminary design phase begins the process of engineering potential solutions to address the need and purpose of the project.

What are the Next Steps? After the public meeting is held, feedback will be assessed, and revisions may occur to the proposed plan initially brought to the public. Once the preferred alternative is approved and it is determined that no substantial changes have occurred, the project will move to the right-of-way (ROW) acquisition phase. If major changes do occur to the project design from what was previously shown to the community, additional public outreach will occur. After all ROW is acquired, the project will move into final design and then construction.

# **FIGURES**







GENERAL NOTES FOR DETOUR PLAN

- 1. ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION)
- 2. ALL SIGNS SHALL HAVE HIGH INTENSITY GRADE SHEETING.
- 3. IN RESIDENTIAL AREAS, SIGNS SHALL BE LOCATED ON, OR AS CLOSE AS POSSIBLE TO PROPERTY LINES.
- 4. EXISTING TRAFFIC SIGNS SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION. MAINTENANCE INCLUDES REPLACING DAMAGED OR STOLEN SIGNS, AND PERIODIC CLEANING OF EXISTING SIGNS AND CONSTRUCTION RELATED TRAFFIC CONTROL DEVICES, DETOUR AND OTHER CLOSURE SIGNS/DEVICES SHALL BE INSTALLED SO AS TO BLOCK SIGHT OF EXISTING TRAFFIC SIGNS
- 5. THE CONTRACTOR SHALL MAINTAIN INGRESS AND EGRESS TO DRIVEWAYS AT ALL TIMES.
- 6. ALL M4-9 SIGNS SHALL HAVE ADVISORY BLADES (INSTALLED ABOVE THE "DETOUR" SIGN) IDENTIFYING THE CLOSED STREET(S) THAT THE DETOUR ROUTE SERVES. THESE BLADES SHALL HAVE 4" SERIES 'B' UPPER AND LOWER CASE LETTERING, AND SHALL BE "BLACK ON ORANGE".
- 7. ALL TRAFFIC CONTROL DEVICES SHALL BE MAINTAINED BY THE CONTRACTOR SO AS TO NOT INTERFERE WITH SIGHT DISTANCES FROM ANY ADJACENT SIDE ROAD OR DRIVEWAY.
- 8. REFLECTORIZED TYPE 3 BARRICADES SHALL BE USED AT THE ACTUAL LOCATION OF TOTAL STREET CLOSURE. EACH BARRICADE SHALL HAVE TWO TYPE "A" LIGHTS AND ONE R11-2 (ROAD CLOSED) SIGN ATTACHED.
- 9. CONTRACTOR TO INSTALL TEMPORARY TRAFFIC SIGNAL ALONG WITH BATTERY BACKUP AT HENRY GRADY HIGHWAY AND SR 400 FOR THE DURATION OF THE DETOUR. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DESIGN, INSTALL, MAINTAIN AND REMOVE THE TEMPORARY TRAFFIC SIGNAL DURING CONSTRUCTION AND SHALL BE PAID FOR UNDER PAY ITEM 647-0220 "TRAFFIC SIGNAL INSTALLATION, TEMPORARY". THE CONTRACTOR SHALL SUBMIT THE TEMPORARY SIGNAL PLAN TO GOOT DISTRICT ONE FOR APPROVAL. TIME WILL NOT BE STOPPED UNTIL THE TRAFFIC SIGNAL IS COMPLETELY REMOVED.
- 10. INFORMATION SIGNS (INFORMING MOTORISTS OF THE ROAD CLOSURE) SHALL BE INSTALLED A MINIMUM OF 2 WEEKS PRIOR TO ROAD CLOSURE. THESE SIGNS SHALL BE INSTALLED AT OR AS NEAR AS POSSIBLE TO THE POINT OF ROAD CLOSURE OR THE BEGINNING OF THE DETOUR ROUTE, OR AS SHOWN ON APPROVED PLANS (SEE SPECIFICATIONS BELOW):

SHOAL CREEK ROAD WILL BE CLOSED TO THRU TRAFFIC FROM (ROAD) TO (ROAD) (DATE) THRU (DATE) (REASON FOR CLOSURE) FOR INFO CALL

HOSPITAL ROAD WILL BE CLOSED TO THRU TRAFFIC FROM (ROAD) TO (ROAD) (DATE) THRU (DATE) (REASON FOR CLOSURE) FOR INFO CALL

(D.O.T. MAY REQUIRE MODIFICATION OF INFORMATION SIGNS AS NEEDED.)

THESE SIGNS SHALL BE REFLECTIVE SHEETING WITH 4" BLACK UPPER AND LOWER CASE LETTERING (SERIES "B" OR WIDER) ON A WHITE BACKGROUND.

CREEK SHOAL

END DETOUR

M4-8a 24" X 18'



M4-9L 30" X 24"



M4-95 30" X 24"

D-111 36" X 8"

ROAD CLOSED AHEAD LOCAL TRAFFIC ONLY

> R11-3a 60" X 30"

ROAD CLOSED LOCAL TRAFFIC ONLY

> R11-3b 60" X 24"



INFORMATION SIGNS INSTALLED A MINIMUM OF 14 DAYS IN ADVANCE

W20-2 (500') 36" X 36"

## HOSPITAL

SHOAL CREEK RD WILL BE

CLOSED TO THRU TRAFFIC

FROM (DATE) TO (DATE)

END DETOUR

> M4-8a 24" X 18'



M4-9L 30" X 24"



M4-95 30" X 24"

D-111 36" X 8"

ROAD CLOSED AHEAD LOCAL TRAFFIC ONLY

> R11-3a 60" X 30"

ROAD CLOSED

LOCAL TRAFFIC ONLY R11-3b

DETOUR  $\Rightarrow$ 

M4-9R 30" X 24"

HOSPITAL RD WILL BE

REVISION DATES

FROM (DATE) TO (DATE)

60" X 24" CLOSED TO THRU TRAFFIC

FOR INFO (XXX) XXX-XXXX INFORMATION SIGNS INSTALLED A MINIMUM OF 14 DAYS IN ADVANCE

DETOUR 500 FT

> W20-2 (500')

36" X 36"

DETOUR MAP SR 140 @ SR 5 BUSINESS

Georgia Department of Transportation

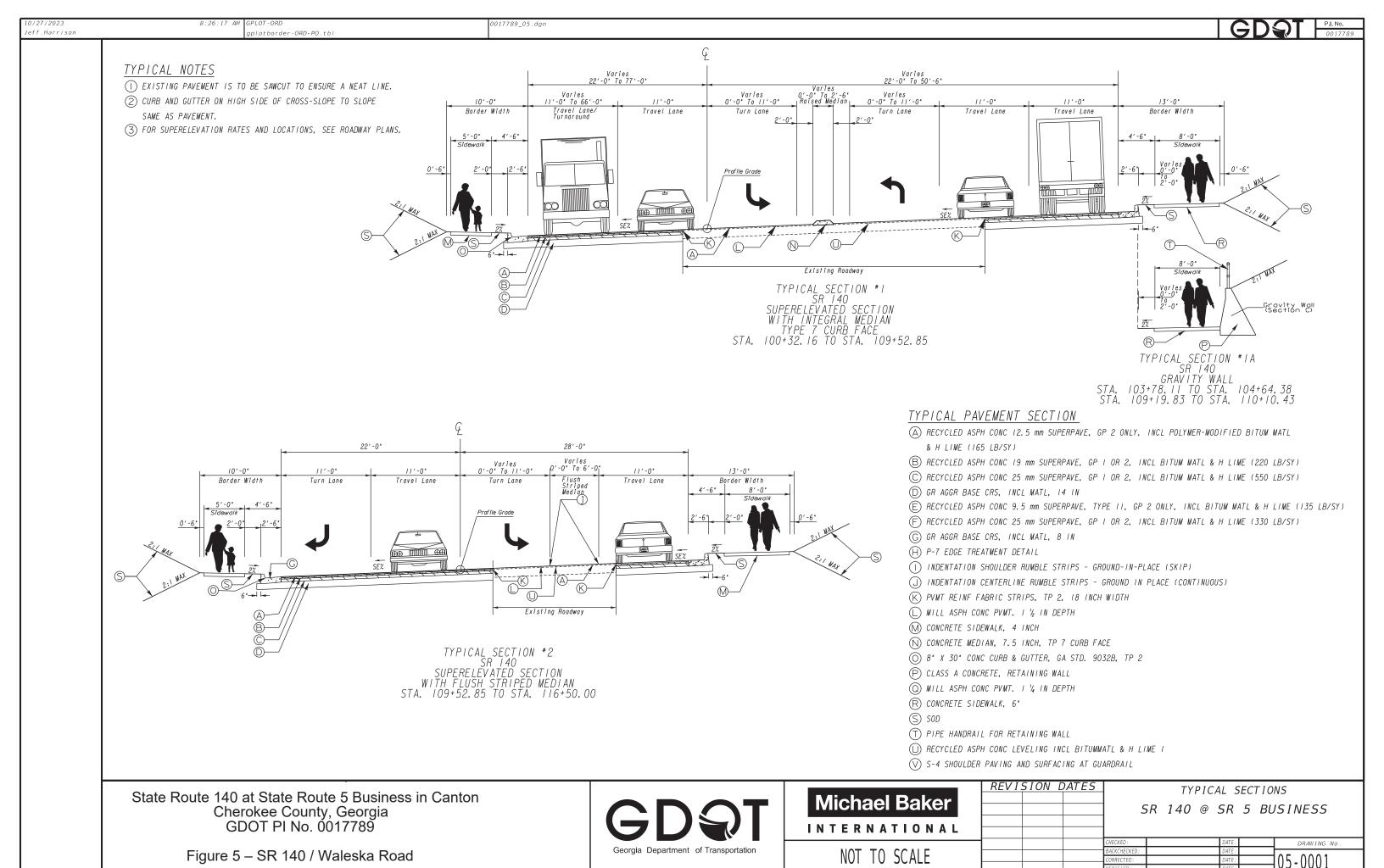
**Michael Baker** INTERNATIONAL

NOT TO SCALE

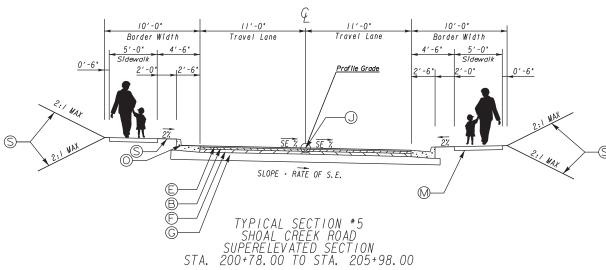
DRAWING No. 12-0003

State Route 140 at State Route 5 Business in Canton Cherokee County, Georgia GDOT PI No. 0017789

Figure 4 – Detour Signage & Notes



GPLN-CE 11/05/202



## TYPICAL PAVEMENT SECTION

- (A) RECYCLED ASPH CONC 12.5 mm SUPERPAVE, GP 2 ONLY, INCL POLYMER-MODIFIED BITUM MATL & H LIME (165 LB/SY)
- B RECYCLED ASPH CONC 19 mm SUPERPAVE, GP | OR 2, INCL BITUM MATL & H LIME (220 LB/SY)
- © RECYCLED ASPH CONC 25 mm SUPERPAVE, GP | OR 2, INCL BITUM MATL & H LIME (550 LB/SY)
- D GR AGGR BASE CRS, INCL MATL, 14 IN
- © RECYCLED ASPH CONC 9.5 mm SUPERPAVE, TYPE II, GP 2 ONLY, INCL BITUM MATL & H LIME (135 LB/SY)
- F) RECYCLED ASPH CONC 25 mm SUPERPAVE, GP | OR 2, INCL BITUM MATL & H LIME (330 LB/SY)
- G GR AGGR BASE CRS, INCL MATL, 8 IN
- (H) P-7 EDGE TREATMENT DETAIL
- | INDENTATION SHOULDER RUMBLE STRIPS GROUND-IN-PLACE (SKIP)
- (J) INDENTATION CENTERLINE RUMBLE STRIPS GROUND IN PLACE (CONTINUOUS)
- (K) PVMT REINF FABRIC STRIPS, TP 2, 18 INCH WIDTH
- (M) CONCRETE SIDEWALK, 4 INCH
- (N) CONCRETE MEDIAN, 7.5 INCH. TP 7 CURB FACE
- ( 8" X 30" CONC CURB & GUTTER, GA STD. 9032B, TP 2
- CLASS A CONCRETE, RETAINING WALL
- MILL ASPH CONC PVMT. 1 1/4 IN DEPTH
- R CONCRETE SIDEWALK, 6"
- (S) SOD
- T) PIPE HANDRAIL FOR RETAINING WALL
- RECYCLED ASPH CONC LEVELING INCL BITUMMATL & H LIME I
- (V) S-4 SHOULDER PAVING AND SURFACING AT GUARDRAIL

State Route 140 at State Route 5 Business in Canton Cherokee County, Georgia GDOT PI No. 0017789

Figure 6 – SR 140 & Shoal Creek Road

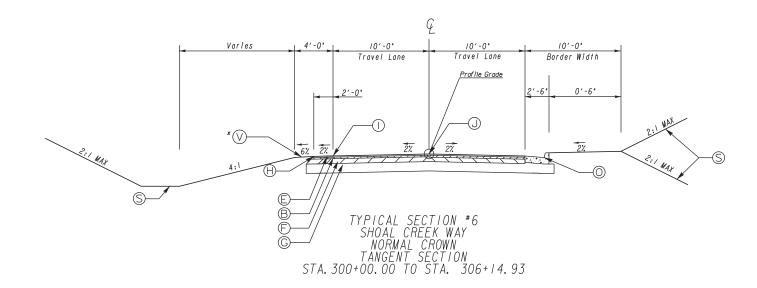


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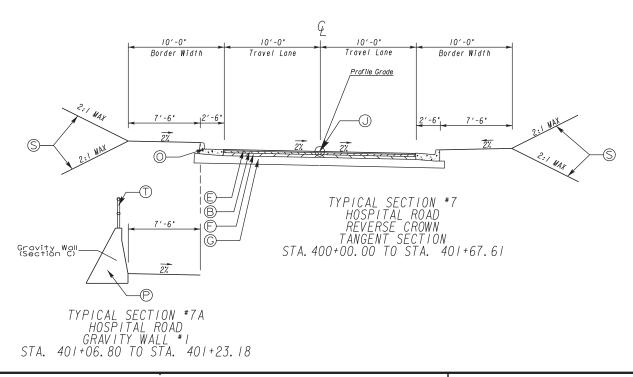
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### TYPICAL NOTES

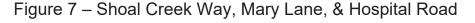
- 1) EXISTING PAVEMENT IS TO BE SAWCUT TO ENSURE A NEAT LINE.
- (2) CURB AND GUTTER ON HIGH SIDE OF CROSS-SLOPE TO SLOPE SAME AS PAVEMENT.
- (3) FOR SUPERELEVATION RATES AND LOCATIONS, SEE ROADWAY PLANS.



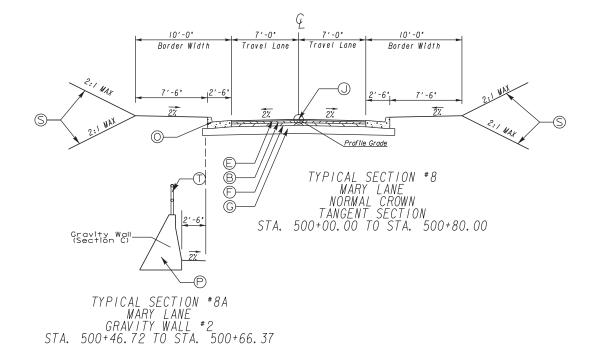
\*PAVE ASPHALT SHOULDER TO FACE OF GUARDRAIL PER DETAIL S4 - SEE PLANS FOR GR LOCATIONS



State Route 140 at State Route 5 Business in Canton Cherokee County, Georgia GDOT PI No. 0017789

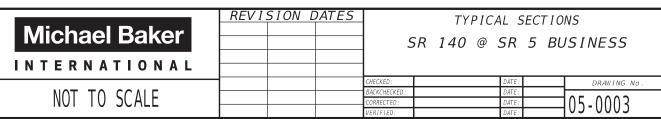






### TYPICAL PAVEMENT SECTION

- (A) RECYCLED ASPH CONC 12.5 mm SUPERPAVE, GP 2 ONLY, INCL POLYMER-MODIFIED BITUM MATL
- (B) RECYCLED ASPH CONC 19 mm SUPERPAVE, GP | OR 2, INCL BITUM MATL & H LIME (220 LB/SY)
- © RECYCLED ASPH CONC 25 mm SUPERPAVE, GP | OR 2, | INCL BITUM MATL & H LIME (550 LB/SY)
- (D) GR AGGR BASE CRS, INCL MATL, 14 IN
- (E) RECYCLED ASPH CONC 9.5 mm SUPERPAVE, TYPE II, GP 2 ONLY, INCL BITUM MATL & H LIME (135 LB/SY)
- (F) RECYCLED ASPH CONC 25 mm SUPERPAVE, GP | OR 2, INCL BITUM MATL & H LIME (330 LB/SY)
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# **COMMENT CARD**

Help GDOT Improve Future Meetings:  Advertising: How did you hear about the m  □Word of mouth □Social Media □Post ca	(che	eck your response) uld support this project if describe below)   Uncommitted
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Were materials (in person or Yes		
virtual) understandable?		
Please share your suggestions on improving	j the	e ways GDOT conducts or advertises online open houses:

You can either email your comments to <a href="mailto:Bethany.Watson@cantonga.gov">Bethany.Watson@cantonga.gov</a> or mail your comment card to: