

# BREVARD MIDDLE SCHOOL BUS LANE IMPROVEMENTS

PREPARED FOR:  
Norris Barger  
Director of Business Services  
Transylvania County Schools (TCS)  
225 Rosenwald Ln  
Brevard, NC 28712

Preliminary  
Not for  
Construction

**GENERAL NOTES:**

1.0 All work shall be in accordance with the North Carolina Building Code, North Carolina Sedimentation Pollution Control Act as amended, North Carolina General Statutes Chapter 113A Article 4, North Carolina Administrative Code Title 15A, Chapter 4, NC Building Code, NCDOT Standard Specifications for Roads & Structures, OSHA Safety & Health Requirements, City of Brevard Ordinances, and all other applicable codes, ordinances, regulations, and requirements. The Contractor shall obtain all required permits prior to beginning work. This plan shall be adjusted as necessary to prevent offsite sedimentation and increased turbidity.

2.0 Project Description. The prospective bidders shall provide a Lump Sum Price for each Bid Item as described below:

BASE BID. Install new bus lane on east side of school as shown on the project drawings.

OPTION 1. Install new bus lane improvements on the west side of the school as shown on the project drawings.

3.0 The Contractor shall furnish and install all required sedimentation and erosion control measures as required to prevent off site sedimentation and increased turbidity in receiving waters. The turbidity of surface water shall not exceed background (preconstruction) levels at any time during development. Erosion control features shall be installed prior to beginning other land disturbing activities.

4.0 All erosion control features shall remain in place until permanent ground cover is established. All erosion control measures shall be inspected and maintained on a routine basis. All Silt Fence, stone check dams, ditches, culverts and sediment traps shall be maintained. Any accumulated sediments shall be removed as needed to prevent off site sedimentation and/or increased turbidity of surface waters.

5.0 Verify all dimensions and quantities prior to ordering materials or beginning work. The Contractor shall verify all topography and field conditions prior to beginning work or ordering of materials. Contractor shall locate, flag and protect all underground and overhead utilities prior to beginning work.

6.0 Ground cover shall be established on exposed slopes within 7 calendar day days following completion of any phase of grading and permanent ground cover shall be established on all disturbed areas within 14 calendar days following completion of each respective phase of construction.

7.0 FILL - Satisfactory material for fill or backfill behind retaining walls and other structures shall be limited to materials classified in ASTM D 2487 as GW, GP, GM, GP-GM, GC, GP-GC, SW, SP, SM, SW-SM, SC, SW, SC, SP-SM, SP-SC, CL, ML and CL-ML. Satisfactory materials shall be placed in 6" compacted lifts. Material shall be compacted to 95% of the maximum dry density. Classification of backfill materials shall be determined in accordance with ASTM D 2487 and the moisture-density relations of soils shall be determined in accordance with ASTM D 1557. Fill placed on slopes shall be reinforced with horizontal layers of Mirafi 500X geotextile fabric placed at 2 ft on center vertically. Length of geotextile fabric layers shall be field determined by the engineer, but in no case shall the horizontal length of geotextile be less than the height of the embankment.

8.0 Do not locate any portion of the work in any Right-of-Way, easement, set-back, environmental buffer, or environmentally sensitive area.

**9.0 Asphalt Pavement**

9.1 1 1/2" Compacted Thickness of NCDOT Type S9.5B ASPHALT Surface Course.

9.2 2" Compacted Thickness of NCDOT Type I 19.0B Binder Course.

9.3 8" Compacted Thickness of NCDOT Type ABC Stone Base

10.0 All portions of the existing structure and site features were designed by others. By accepting these plans and specifications you and any others to whom it is distributed, agree to a strict limitation of liability for Terry E. Allen, Engineer, and its employees to an amount not to exceed the fee paid in hand.

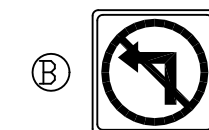
**OPTION 1, EAST BUS LANE IMPROVEMENTS:**  
- Add New Bus Lane  
- New Retaining Wall  
- Relocate Trash Dumpster Pad  
- New Asphalt Pavement Approx. 8100 SF +/-

**BASE BID, WEST BUS LANE IMPROVEMENTS:**  
- Add New Bus Lane  
- New Retaining Wall  
- New Striped Cross Walk  
- Relocate Trash Dumpster Pad  
- New Asphalt Pavement Approx. 3000 SF +/-

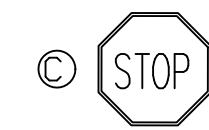
**SIGN LEGEND**



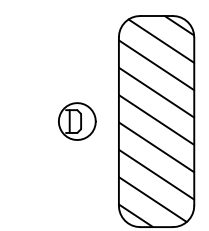
R6-1R  
36"x12"



R3-2  
24"x24"



R1-1  
30"x30"



OM-3L  
12"x36"

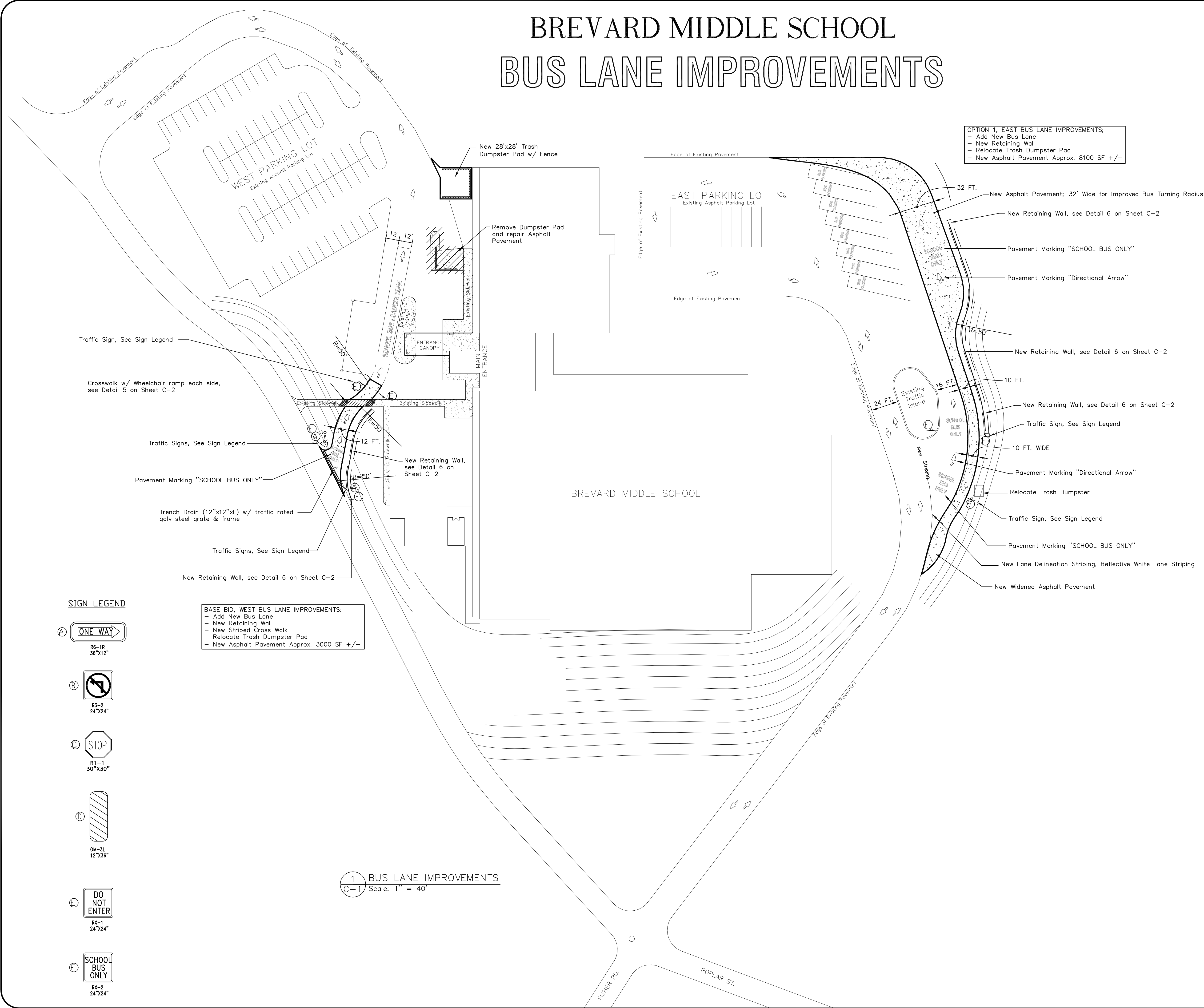


RX-1  
24"x24"



RX-2  
24"x24"

**1** BUS LANE IMPROVEMENTS  
C-1 Scale: 1" = 40'



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**BUS LANE IMPROVEMENTS**  
Brevard Middle School  
400 Fisher Road  
Brevard, NC 28712

Vertical Scale:  
NONE  
Horizontal Scale:  
NONE  
Issue Date:  
04-19-2012

**C-1**  
SHEET 1 OF 2