

Item No. 801S
Constructing A Detour

801S.1 Description

This item shall govern: 1) the construction, manipulation, maintenance and removal, if required, of construction detours of the length and to the lines, grades and typical sections indicated on the Drawing; and 2) the provision for installation, movement, replacement, maintenance, cleaning and removal, as required, of all detour markers, signs, barricades and other devices used in traffic control and handling at the construction site upon completion of the work, as indicated on the Drawings or as directed by the Engineer or designated representative.

This specification is applicable for projects or work involving either inch-pound or SI units. Within the text, the inch-pound units are given preference followed by SI units shown within parentheses.

801S.2 Submittals

The submittal requirements of this specification item include:

- A. Type D HMAC mix design,
- B. Type and Construction of the barricade, and
- C. Identification of the type, source, mixture, Percent Live Seed (PLS) and rate of application of the seeding.

801S.3 Materials

- A. Flexible Base:

Flexible Base shall conform to Standard Specification Item No. 210S, "Flexible Base".

- B. Stabilized Base:

When an HMAC Type A or B stabilized base is indicated on the Drawings, it shall conform to Standard Specification Item No. 340S, "Hot Mix Asphaltic Concrete Pavement" and if an asphalt Stabilized Base is shown on the Drawings, it shall conform to Standard Specification Item No. 206S, "Asphalt Stabilized Base (Plant Mix)".

- C. Prime Coat:

Prime Coat shall conform to Standard Specification Item No. 306S, "Prime Coat".

- D. Tack Coat:

Tack Coat shall conform to Standard Specification Item No. 307S, "Tack Coat".

- E. Seal Coat:

Seal Coat shall conform to Standard Specification Item No. 312S, "Seal Coat".

- F. Hot Mix Asphaltic Concrete Pavement:

Hot Mix shall be Type C or D, as shown on the Drawings, conforming to Standard Specification Item No. 340S, "Hot Mix Asphaltic Concrete Pavement".

G. Construction Pavement Markings:

1. Traffic Tape shall conform to Standard Specification Item No. 864S, "Abbreviated Pavement Markings".
2. Pavement Paint shall conform to Standard Specification Item No. 860S, "Pavement Marking Paint (Reflectorized)".
3. Pavement Markers shall conform to Standard Specification Item No. 871S, "Reflectorized Pavement Markers".
4. Work Zone Pavement Markings shall conform to Standard Specification Item No. 870S, "Work Zone Pavement Markings".

H. Barricades, Signs and Traffic Handling

Barricades, Signs and Traffic Handling shall conform to Standard Specification Item No. 803S, "Barricades, Signs and Traffic Handling". All barricades shall be constructed with one of the following materials/combinations:

1. Wood
2. Wood and Steel
3. Plastic

I. Seeding

Seeding shall conform to Item No. 604S, "Seeding for Erosion Control".

801S.4 Construction Methods

The detours shall be constructed at the locations and to the lines and grades indicated on the Drawings. It shall be the entire responsibility of the Contractor to provide for the passage of traffic in comfort and safety without creating a dust problem.

Flexible base material shall be deposited on the prepared subgrade, sprinkled, bladed, compacted and shaped to conform to the typical sections indicated on the Drawings, conforming to the City of Austin Standard Specification Item No. 210S, "Flexible Base". The finished base shall receive surfacing where indicated on the Drawings in accordance with the pertinent City of Austin Standard Specification surfacing items.

After the detours are no longer needed for traffic, those materials, indicated for removal, shall become the property of the Contractor and shall be disposed of off the project. The site shall then either be restored to the original configuration and contours of the ground or to a landscape with a pleasing appearance that is composed of natural rounded slopes with re-vegetation / seeding.

All barricades, signs and other types of devices listed above shall conform to details indicated on the Drawings and/or in the City of Austin Standard Details and shall comply with the Texas Manual on Uniform Traffic Control Devices (TMUTCD).

801S.5 Maintenance

It shall be the Contractor's responsibility to maintain the construction detour and to repair the surface markers, striping and storm water drainage system as long as the detour is required.

801S.6 Measurement

"Constructing A Detour", when included in the contract as a pay item, will be measured by the lump sum.

801S.7 Payment

The work and materials presented herein will not be paid for directly, but shall be included in the unit price bid for the item of construction in which the activity is used, unless included as a separate pay item in the contract.

When specified for payment in the contract bid form, it shall be paid at the lump sum bid for "Constructing A Detour". The price shall include full compensation for all work, herein, specified, including the furnishing of all materials, equipment, tools, labor and incidentals necessary to complete the work.

Payment, when included as a contract pay item, will be made under:

Pay Item No. 801S: Constructing A Detour Per Lump Sum.

End

<u>SPECIFIC</u> CROSS REFERENCE MATERIALS
Specification Item No. 801S, "Constructing A Detour"

City of Austin Standard Specifications

<u>Designation</u>	<u>Description</u>
Item No. 206S	Asphalt Stabilized Base
Item No. 210S	Flexible Base
Item No. 306S	Prime Coat
Item No. 307S	Tack Coat
Item No. 312S	Seal Coat
Item No. 340S	Hot Mix Asphaltic Concrete Pavement
Item No. 604S	Seeding for Erosion Control
Item No. 803S	Barricades, Signs and Traffic Handling
Item No. 860S	Pavement Marking Paint
Item No. 864S	Abbreviated Pavement Markings
Item No. 870S	Work Zone Pavement Markings"
Item No. 871S	Reflectorized Pavement Markers"

Texas Department of Transportation Technical Documents:

<u>Designation</u>	<u>Description</u>
(TMUTCD)	Texas Manual on Uniform Traffic Control Devices

<u>RELATED</u> CROSS REFERENCE MATERIALS
Specification Item No. 801S, "Constructing A Detour"

City of Austin Standard Specifications

<u>Designation</u>	<u>Description</u>
Item No. 301S	Asphalts, Oils and Emulsions
Item No. 302S	Aggregates for Surface Treatments
Item No. 360	Concrete Pavement
Item No. 865S	Non-Reflectorized Traffic Buttons

<u>RELATED</u> CROSS REFERENCE MATERIALS - Continued
Specification Item No. 801S, "Constructing A Detour"

City of Austin Standard Specifications

<u>Designation</u>	<u>Description</u>
Item No. 866S	Jiggle Bar Tile
Item No. 867S	Epoxy Adhesive
Item No. 873S	Prefabricated Pavement Markers
Item No. 873S	Raised Pavement Markers
Item No. 874S	Eliminating Existing Pavement Markings and Markers
Item No. 875S	Pavement Surface Preparation For Markings

City of Austin Standard Details

<u>Designation</u>	<u>Description</u>
863S-1	Pavement Buttons (Reflectorized-Type I & Type II)
865S-1	Traffic Buttons (Non-Reflectorized)

Texas Department of Transportation: Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges

<u>Designation</u>	<u>Description</u>
Item No. 502	Barricades, Signs and Traffic Handling
Item No. 508	Constructing Detours
Item No. 510	One-Way Traffic Control
Item No. 512	Portable Concrete Traffic Barrier
Item No. 514	Permanent Concrete Traffic Barrier
Item No. 662	Work Zone Pavement Markings
Item No. 666	Reflectorized Pavement Markings
Item No. 667	Prefabricated Pavement Markings
Item No. 672	Raised Pavement Markers
Item No. 677	Eliminating Existing Pavement Markings and Markers
Item No. 678	Pavement Surface Preparation For Markings