

# NOTIFICATION OF ADDENDUM

## ADDENDUM NO. 1

**DATED 8/06/2013**

<b>Control</b>	<b>0306-01-059</b>
<b>Project</b>	<b>BR 2013(920)</b>
<b>Highway</b>	<b>SH 73</b>
<b>County</b>	<b>ORANGE</b>

Ladies/Gentlemen:

Attached please find an addendum on the above captioned project. Included in the attachment is an addendum notification which details the changes and the respective proposal pages which were added and/or changed.

Except for new bid insert pages, it is unnecessary to return any of the pages attached.

Bid insert pages must be returned with the bid proposal submitted to the Department, unless your firm is submitting a bid using a computer print out. The computer print out must be changed to reflect the new bid item information.

Contractors and material suppliers, etc. who have previously been furnished informational proposals are not being furnished a copy of the addendum. If you have a subcontractor on the above project, please advise them of this addendum. Acknowledgment of this addendum is not requested if your company has been issued a proposal stamped "This Proposal Issued for Informational Purposes."

You are required to acknowledge receipt of this addendum on the Addendum Acknowledgement form contained in your bid proposal by placing a mark in the box next to the respective addendum.

Failure to Acknowledge receipt of this addendum in your bid proposal will result in your bid not being read.

SUBJECT: PLANS AND PROPOSAL ADDENDUMS

PROJECT: BR 2013(920)

CONTROL: 0306-01-059

COUNTY: ORANGE

LETTING: 08/07/2013

REFERENCE NO: 0805

**PROPOSAL ADDENDUMS**

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- PROPOSAL COVER
- BID INSERTS (SH. NO.:
- GENERAL NOTES (SH. NO.: B (PLAN SHEET 6)

- SPEC LIST (SH. NO.:
- SPECIAL PROVISIONS:
- ADDED:

DELETED:

- SPECIAL SPECIFICATIONS:
- ADDED:

DELETED:

- OTHER: PLAN SHEET 6

DESCRIPTION OF ABOVE CHANGES  
(INCLUDING PLANS SHEET CHANGES)

GENERAL NOTES

SHEET B (PLAN SHEET 6)- REVISED NOTES UNDER ITEM 6

PLAN SHEET

SHEET 6 - REVISED NOTES UNDER ITEM 6.

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**GENERAL:**

In the removal of the surface and base material on the existing shoulders, exercise extreme care in providing a smooth and uniform edge adjacent to the existing travelway pavement which is to remain in place. A full depth saw cut is required for all areas of base removal.

Do not work on the roadway before sunrise or after sunset.

Leave all traffic lanes open at night, weekends and holidays unless otherwise approved.

In the event of adverse conditions whereby the roadway will not allow for the safe and efficient passage of two-way traffic, provide for one way traffic as shown on the traffic control plan for one lane roadway. This traffic control plan will remain in effect 24 hours a day until the roadway is considered safe and suitable for two-way traffic. Provide lights to illuminate flaggers and work area during night time operations. Class 3 garments will be required for all workers and flaggers during nighttime work.

The following standard detail sheets have been modified:

BAS-A (MOD)

Unless otherwise approved, maintain a minimum safety clearance of 30 feet from the edge of the travelway for material stockpiled in proximity of traffic lanes. In the event the above requirements cannot be met, make arrangements to stockpile material off the right of way. Do not stockpile material in the median.

The Department will provide the cylinder testing machine for this project. Deliver the specimens to the Engineer's curing facilities as directed.

Grade and shape the roadway to the typical section shown in the plans and to a finish profile that is uniform and consistent with the topography as directed.

Do not clean out concrete trucks within the right of way.

**Item 5: Control of the Work**

The U.S. Corps of Engineers nationwide permit # 3 with special conditions covers this project. A copy of these special conditions can be obtained by contacting the Beaumont Area Office. Maintain a neat and clean worksite next to the water and do not allow any debris to fall into the water.

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The Department shall conduct a meeting with the construction contractor or contractors detailing the terms and conditions of this permit prior to commencing construction activities of the project. The Department shall notify the Galveston District of the pre-construction meeting at least two weeks in advance of the scheduled meeting. Within two weeks following the meeting, the Department will also provide written confirmation to the USACE that the meeting was held.

The total area disturbed for this project is 1.4 acres. The disturbed area in this project, all project locations in the Contract, and the Contractor project specific locations (PSLs), within 1 mile of the project limits, for the Contract will further establish the authorization requirements for storm water discharges. When the total area disturbed in the Contract and PSLs within 1 mile of the project limits exceeds 5 acres, provide a copy of the Contractor NOI for PSLs on the ROW to the Engineer and to the appropriate MS4 operator or operators when within the boundaries of an MS4 permitted area.

Provide two SW3P Notification Boards for this project. Each board will include a laminated copy of the field office location, construction site notice, notice of intent, and any permit certificate issued for the project. Notification Boards are to be placed at locations within the right-of-way but outside the clear zone as directed by the Engineer. Consider this work to be subsidiary to the various bid items of the contract.

Station the project prior to commencing work. Mark the stations every 100 feet. Maintain stationing throughout the duration of the project. Remove the station markings at the completion of the project. Consider this work to be subsidiary to the various bid items of the contract.

#### **ITEM 6: CONTROL OF MATERIALS**

Structure(s) to be removed or rehabilitated have surface coatings which may contain hazardous materials. Provide for the safety and health of employees and abide by all OSHA standards and regulations. The Contractor is responsible for the containment, removal, and disposal of materials containing lead paint for structures being removed or rehabilitated. Dispose of all metal elements (to be removed and not reinstalled during construction) containing lead paint at a recycling or smelting facility unless otherwise directed by the Engineer. Asbestos has been identified in the control house wall panels and drum switch insulators to be removed from the bridge and is the responsibility of TxDOT to mitigate under a separate contract before the Contractor removes the control house. Allow access to control house for licensed asbestos consultant and contractor to perform the work.

#### **ITEM 8: PROSECUTION AND PROGRESS**

Working days will be computed and charged in accordance with Article 8.3.A.1 Five-Day Workweek.

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Working days will be charged Monday through Friday, excluding national or state holidays, if weather or other conditions permit the performance of the principal unit of work underway, as determined by the Engineer, for a continuous period of at least 7 hour between the time periods listed below:

Charge Day	Time Period	
	From	To
Monday	Sunday 10:00 PM	Monday 7:00 PM
Tuesday	Monday 7:00 PM	Tuesday 7:00 PM
Wednesday	Tuesday 7:00 PM	Wednesday 7:00 PM
Thursday	Wednesday 7:00 PM	Thursday 7:00 PM
Friday	Thursday 7:00 PM	Friday 12:00 Noon

Work between 12:00 Noon on Friday and 10:00 PM the following Sunday and on national holidays will not be permitted without written permission of the Engineer. The Contractor has the option of working on state holidays. The contractor will have the option to work 24 hours a day and the option to work Saturday and Sunday.

Provide progress schedules meeting the requirements of Section 8.2B, "Construction Contracts." Monthly critical path method (CPM) updates are a very important aspect of managing the progress of this project. CPM planning schedule software will be required on this project as stipulated in the Special Provisions to the Plans. An updated electronic schedule shall be provided to the Engineer by the 10<sup>th</sup> day of each month. The Engineer may withhold the monthly estimate if the schedule update has not been received.

The number of working days allowed to complete this project and interim milestones were determined using a conceptual time determination schedule. An electronic copy of this Primavera (P3 compatible) construction contract time schedule will be made available by the State upon written request. The Contractor has the option to use this schedule, making revisions as necessary and as stipulated in the Special Provisions to the Plans. If the State's schedule is used, the Contractor assumes full responsibility for information as presented. The State will not adjust the number of working days for the project and milestones based on differences in opinion regarding any assumptions made in the preparation of the schedule or for errors, omissions or discrepancies found in the schedule.

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Certain elements and phases of work, as presented in the Traffic Control Plan, are to be given priority over others. Any schedule developed shall reflect these priorities, as follows:

Contractor shall maintain same number of lanes for the detour condition as for the existing condition.

Milestone 1 shall begin the day that two lanes of traffic are removed from the existing two lanes on the Cow Bayou Swing Bridge.

Milestone 2 shall begin the day that traffic is restored to two lanes of traffic on the Cow Bayou Swing Bridge.

Substantial completion for this project shall occur when two lanes of traffic are restored to their original configuration on the Cow Bayou Swing Bridge and no further lane closures are needed to complete the work in the contract.

Based on the current schedule prepared for this contract, the bridge will be closed to traffic with an independent detour in place for 269 working days, which is the maximum days allowed from Milestone 1 to Milestone 2 before disincentive provisions apply.

The road-user cost liquidated damages for milestone purposes and for substantial completion of the project are \$6,000 per working day.

The daily incentive rate for completion of milestones and for substantial completion of the project is \$3,125 per working day.

The maximum number of working days for computing incentive credit from Milestone 1 to Milestone 2 is 120 days.

The maximum amount of incentive is \$375,000.

**ITEM 400: EXCAVATION AND BACKFILL FOR STRUCTURES**

Flexible base (Ty D) may be used for cement stabilized backfill aggregate, as approved.

**ITEM 421: HYDRAULIC CEMENT CONCRETE**

Use sulfate resistant concrete for this project on the reinforced concrete slab, bridge rail, approach slab and riprap.

Do not air entrain any concrete.

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**ITEM 427: SURFACE FINISHES FOR CONCRETE**

Blast cleaning on concrete substructure shall be water pressure cleaning in accordance with Item 427.3.A. This should be the only method of cleaning for existing concrete substructure to protect the integrity of the existing concrete surface.

The new surface coat shall be blended to match the existing substructure color consistency, texture surface detail and appearance. It shall be free of stains or discoloration, and surface irregularities. Provide a test area no greater than 10% of the total area (in an inconspicuous location) to be treated for the purpose of determining color match and consistency prior to concluding surface treatment on the substructure.

**ITEM 429: CONCRETE STRUCTURE REPAIR**

Repair materials used shall provide a similar surface and finish as the existing concrete and shall be free of obvious differences in appearance; inconsistency in color, texture and surface detail, stains or discoloration, highly noticeable surface irregularities, form seams and/or warping.

**ITEM 432: RIPRAP**

Place 1/2 inch expansion joint material between the two concrete areas or structures where riprap is placed against other concrete such as concrete pavement and structures unless otherwise shown on the plans or as directed. This work will not be paid for directly but will be subsidiary to the pertinent items.

Unless otherwise shown on the plans or directed, riprap will be 5" deep and reinforced; reinforced toewalls 6" wide and 12" deep will be placed around the perimeter of each location.

Broken concrete removed under this contract may be used for common stone riprap.

The use of synthetic fiber in lieu of steel reinforcing is acceptable, provided the fiber producer is on the Department Material Producer List (MPL), maintained by TxDOT, Construction Division.

**ITEM 446: CLEANING AND PAINTING STEEL**

Limit size of containment system to what can be removed in 72 hours of notice of hurricane watch when containment will be in place during hurricane season. Provide a work plan for removal of containment system, including equipment, man hours, and time requirements, before the start of hurricane season. Provide time estimate for re-establishing containment system after a hurricane warning event.

Existing paint on steel contains lead and other hazardous materials common to structural steel coatings. Remove, contain, handle, and dispose of properly.

Comply with all applicable federal, state, and local regulations related to worker, public, and environmental health and/or safety during paint removal and steel cleaning operations.

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Provide a copy of the Quality Control Plan before beginning work and copies of all quality control documentation prepared in accordance with SSPC certification requirements not more than 24 hours after the completion of each workweek.

Submit the following for approval prior to the pre-job conference. No work may commence until these plans are submitted and approved by the Engineer. Engineer's approval of Contractor's submittals does not relieve Contractor of requirement to comply with project specifications.

1. Containment system plan and engineering analysis (w/ Texas P.E. seal);
2. Waste management plan (incl. storage and disposal);
3. Environmental and health safety plan;
4. Paint removal/application plan;
5. Paint material product data sheets and MSDS;
6. Inclement weather contingency plan (e.g., containing waste during severe weather);
7. Partial demobilization plan (for possible raising of the bascule span); and,
8. Coating repair procedure.

Construct containment system for all operations in accordance with SSPC Guide 6, "Guide for Containing Debris Generated During Paint Removal Operations." Approval of the constructed containment system is required before cleaning and painting operations begin or restart after a work stoppage. Construct and maintain a structure meeting the following minimum requirements:

1. Rigid floor system formed from 20 gauge (min.) steel;
2. Capable of supporting 25 PSF (min.) live load for abrasive blasting;
3. Capable of withstanding winds up to 30 MPH;
4. Enclosed on all sides with full-height side walls;
5. Watertight, with ceiling and floors contoured to eliminate ponding;
6. Fully sealed seams and airlock or re-sealable entryways; and
7. Equipped with ventilation system capable of supplying 100 feet per minute (min.) cross draft air flow and 50 feet per minute (min.) downdraft air flow in all areas within the containment.

Do not conduct final surface preparation on the bare substrate when the surface temperature is less than 5 degrees above the dew point temperature of the surrounding air.

Do not apply paint unless the steel surface temperature is at least 5 degrees above the dew point and the relative humidity is below 85%, unless authorized in writing by the Engineer.

Clean and paint all steel members with System III as specified below:  
System III

- i. Grease and contaminant removal per SSPC-SP1 and Class D waterblasting.
- ii. Pack rust removal.
- iii. Class A/SSPC-SP 10 surface preparation.
- iv. Application of epoxy zinc primer to all surfaces.
- v. Application of epoxy intermediate coating to all surfaces.
- vi. Application of epoxy intermediate stripe coat to all rivets, bolts, edges, crevices, back-to-back steel components, corners, weld areas, and other detail areas as determined by the Engineer.
- vii. Application of caulking to all gaps or crevices greater than 1/16 inch.
- viii. Application of polyurethane appearance coat to all surfaces.

Provide safe access to allow verification of compliance for all work that will be concealed from inspection by subsequent work at hold-points (to be established at the preconstruction meeting).

No work may proceed beyond established hold-points until the Engineer has reviewed the work and provided interim approval of the work. Provide the following hold points (at a minimum):

1. After any surface preparation operation;
2. Immediately prior to coating application;
3. After coating application;
4. After each coat of paint has cured; and,
5. After preparation of areas to be repaired.

#### **ITEM 452: REMOVING RAILING**

Remove the metal railing elements found to contain lead in accordance with instructions provided under ITEM 6 CONTROL OF MATERIALS. Remove the railing by unbolting, do not use flame cutting or any other method that would cause existing paint to vaporize. Remove and dispose of railing in complete, existing length sections.

#### **ITEM 496: REMOVING STRUCTURES**

Historic Bridge Plaque Coordination: Carefully remove the existing historic bridge plaques to avoid damage, clean, store during construction, and reinstall on the new bridge railings at the same existing approximate locations. Provide photographs to TxDOT documenting the historic bridge plaque's condition and appearance prior to removal. Carefully remove the bridge plaques and deliver to the TxDOT Orange Maintenance Office for storage during construction.

Coordinate with Mark Cox at 409-883-3476. Bridge plaques shall be anchored on the new bridge in the same fashion as the previous condition. No modification in appearance or anchors will be allowed without specific prior approval from the TxDOT Bridge Division. Payment for removal, cleaning, storage and reinstallation of the existing historic bridge plaques shall be considered subsidiary to this item.

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Control House Console Coordination: Carefully remove the existing Control House Console to avoid damage, clean, store during construction, and reinstall in the new control house at the same existing approximate location. Provide photographs to TxDOT documenting the console's operating condition and appearance prior to removal. Carefully remove the console and deliver to the TxDOT Orange Maintenance Office for storage during construction. Coordinate with Mark Cox at 409-883-3476. The console shall be installed in the new control house in the same fashion as the previous condition. Payment for removal, cleaning, storage and reinstallation of the existing Control House Console shall be considered subsidiary to this item.

Existing mechanized arm assemblies shall be removed in a manner to avoid damage to and stored for donation to the Bridge City Citizens for Historic Preservation at 3Professional Park, Bridge City, TX, 77611. Coordinate with Mr. Mark Dunn at telephone number 409-221-0601 or 409-735-7183. Payment for removal, secure storage and assistance with loading of the mechanized arm assemblies shall be considered subsidiary to this item.

**ITEM 502: BARRICADES, SIGNS, AND TRAFFIC HANDLING**

The Contractor Force Account "Safety Contingency" that has been established for this project is intended to be utilized for work zone enhancements, to improve the effectiveness of the Traffic Control Plan, that could not be foreseen in the project planning and design stage. These enhancements will be mutually agreed upon by the Engineer and the Contractor's Responsible Person based on weekly or more frequent traffic management reviews on the project. The Engineer may choose to use existing bid items if it does not slow the implementation of enhancement.

Remove all traffic control devices from the roadway, off of the right of way, when they are not in use. Devices scheduled to be used within 3 days may be placed along the shoulder of the roadway or right of way when not in use, or stored in other approved areas on the project. Cover any construction signs that are not in effect and are installed in a fashion that will not allow them to be removed from the right of way easily.

Provide shadow vehicles with truck mounted attenuators (TMA) for lane closures during construction."

Use drums only instead of vertical panels or cones as traffic control devices for night-time work.

Arrange asphalt laydown schedule to meet plan striping requirements.

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Construct all work zone signs, sign supports, and barricades from material other than wood unless approved otherwise by the Engineer. Metal posts, if used, are to be galvanized. Aluminum signs, if used, shall meet the following minimum thickness requirements:

<u>Square Feet</u>	<u>Minimum Thickness</u>
Less than 7.5	0.080 inches
7.5 to 15	0.100 inches
Greater than 15	0.125 inches

After completion of the project when removing the barricades and signs, fill in any holes left by the sign supports of barricades and restore the area in which the signs were removed to its original condition. Remove the temporary sign hubs when construction signs are removed.

Law enforcement assistance will be required for this project and is expected to be required for major traffic control changes and lane closures. Full-time, off-duty uniformed officer(s), with transportation jurisdiction and full police powers in the county or city in which the project is located, shall be provided by the Contractor during construction as directed by the Engineer. The officer(s) must be able to show proof of certification by the Texas Commission on Law Enforcement Officers Standards. The cost of providing the officer(s) shall be paid for on a force account basis as per Item 9.5 Force Account of the 2004 Texas Standard Specifications. The costs for coordinating scheduling of the off-duty uniformed officer(s) will not be paid for directly but shall be considered subsidiary to the various bid items of the contract. Coordinate with local law enforcement and arrange for law enforcement as directed or agreed by the Engineer. Complete the daily tracking form provided by the Department and submit invoices that agree with the tracking form for payment at the end of each month approved services were provided.

Law enforcement will be considered for this contract under the following conditions unless otherwise directed by the Engineer:

- Work involving controlled access facilities,
- Night work operations that create substantial traffic safety risks for workers and/or road users,
- Major traffic shifts involving high speed (greater than 55 MPH) and/or high volume roadways (ADT exceeds 10,000),
- Traffic shifts at intersections where unexpected or sudden queuing is anticipated,
- Complex intersections where flaggers may not be able to maintain adequate traffic control.

Provide suitable warning lights mounted high enough to be visible from all directions on all construction equipment, including pilot vehicles, and operate warning lights when the equipment is within the right of way. Equip other equipment such as trucks, trailers, autos, etc., with emergency flashers and use emergency flashers while within the work area.

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Barricades and warning signs are to remain in place until final markings are complete.

No additional payment will be made for relocating existing sign assemblies to temporary mounts.

Signs warning of temporary conditions, such as "NO CENTER STRIPE," "LOOSE GRAVEL," etc., shall only be displayed when conditions are present. Remove or completely cover signs that do not apply to the roadway conditions. These signs may be installed prior to beginning work but shall remain completely covered until the signs are applicable.

In accordance with Article 502.4.b, no payment will be made for the month if the contractor fails to provide or properly maintain signs in compliance with the contract requirements. Temporary warning signs that are visible when conditions do not apply will be considered improper maintenance of signs.

In addition to providing a Contractor's Responsible Person and a phone number for emergency contact, have an employee(s) available to respond on the project for emergencies and for taking corrective measures within 30 minutes.

**ITEM 508: CONSTRUCTING DETOURS**

Provide temporary pipe drains or culverts and take such other measures as directed to provide for continued drainage from all abutting property, the right of way and the roadway during construction operations. Labor and materials involved in this work will not be paid for directly, but will be considered subsidiary to this item.

**ITEM 529: CONCRETE CURB, GUTTER AND COMBINED CURB AND GUTTER**

Provide openings in the gutter at curb inlets for drainage, before the final course is laid as directed.

Taper the curb or curb and gutter from 5 3/4" to 0" in the last three feet when changing from a curb or curb and gutter section to an open section.

Reinforcement will be required for this item.

**ITEM 531: SIDEWALKS**

Reinforce concrete sidewalks with minimum No. 3 reinforcing bars spaced at a maximum of 12 inches transversely and a maximum of 24 inches longitudinally.

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**ITEM 540: METAL BEAM GUARD FENCE**

Furnish and install only one type of timber post at each location.

Metal beam guard fence will require Type II galvanization.

Construction of all metal beam guard fence will proceed in the direction of traffic. At the end of each work day, protect any blunt end remaining after work hours with a truck mounted attenuator until the guardrail end treatment has been installed. This work will not be paid for directly but will be considered subsidiary to the various bid items.

**ITEMS 540 & 542: METAL BEAM GUARD FENCE &  
REMOVING METAL BEAM GUARD FENCE**

The contractor shall dispose of all metal beam guard fence removed from the existing bridge and approaches.

**ITEM 644: SMALL ROADSIDE SIGN SUPPORTS AND ASSEMBLIES**

The exact location of the foundations to be placed will be determined in the field by the Engineer.

Replace the signs with reference markers to the exact station from which they were removed.

Drill the holes in the signs carefully as to not damage the reflective sheeting of the signs.

Install the wedge anchor system in a concrete footing 42" in depth and 12" in diameter. Foundation should take approximately 2.7 cubic feet of concrete.

Salvage and deliver all aluminum sign faces to the local department maintenance office.

**ITEM 658: DELINEATOR AND OBJECT MARKER ASSEMBLIES**

Place Type C reflectors on all MBGF and bridge rail as shown on the D & OM standards. The number and type shall be as shown in the plans.

**ITEM 662: WORK ZONE PAVEMENT MARKINGS**

Place work zone pavement markings within 7 calendar days after elimination of the existing striping and placement of short term striping. If it is not possible to place the standard pavement markings due to inclement weather, maintain the short-term pavement markings in accordance with Item 662, "Work Zone Pavement Markings" until placement of the standard markings is possible. Maintenance of the short-term pavement markings will not be paid for directly but will be considered subsidiary to Item 662.

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**ITEM 666: REFLECTORIZED PAVEMENT MARKINGS**

Furnish Type II drop-on glass beads.

Air blowing will not be paid for directly but will be considered subsidiary to Item 666.

**ITEM 1122: TEMPORARY EROSION, SEDIMENTATION,  
AND ENVIRONMENTAL CONTROLS**

1. The total disturbed area for this project is 1.4Acres.
2. The disturbed area in this project, all project locations in the contract, and contractor project specific locations (PSLs), within one (1) mile of the project limits, for the contract will further establish the authorization requirements for storm water discharges.
3. The department will obtain an authorization to discharge storm water from the Texas Commission on Environmental Quality (TCEQ) for the construction activities shown on the plans.
4. Obtain any required authorization from the TCEQ for any contractor PSLs for construction activities on or off right-of-way (ROW).
5. When the total disturbed area for all projects in the contract and PSLs within one (1) mile of the project limits exceeds five (5) acres, provide a copy of the contractor NOI for PSLs on the ROW to the engineer.
6. Provide a signed sketch detailing the location of any contractor's PSLs on ROW or within one (1) mile of the project.

**ITEM 6834: PORTABLE CHANGEABLE MESSAGE SIGN**

Provide screen type "Continuous Line Matrix" unless otherwise approved.