ITEM 614 - MAINTAINING TRAFFIC:
Work with the District Work Zone Manager to select and edit the appropriate standard note paragraphs A through F and include the selected standard drawing references on the title sheet

A. MAINTAIN TRAFFIC ON THE BRIDGE ACCORDING TO STANDARD DRAWING MT-95.30 CLOSE THE RIGHT OR LEFT LANES AS NEEDED OR DIRECTED BY THE ENGINEER.

B. MAINTAIN TRAFFIC ON THE BRIDGE ACCORDING TO STANDARD DRAWING MT-95.40 CLOSE THE RIGHT OR LEFT LANES AS NEEDED OR DIRECTED BY THE ENGINEER.

C. MAINTAIN TRAFFIC ON THE BRIDGE ACCORDING TO STANDARD DRAWING MT-97.10 CLOSE THE RIGHT OR LEFT LANES AS NEEDED OR DIRECTED BY THE ENGINEER.

D. MAINTAIN TRAFFIC UNDER THE BRIDGE ACCORDING TO STANDARD DRAWING MT-95.30 CLOSE THE RIGHT OR LEFT LANES AS NEEDED OR DIRECTED BY THE ENGINEER.

E. MAINTAIN TRAFFIC UNDER THE BRIDGE ACCORDING TO STANDARD DRAWING MT-95.40 CLOSE THE RIGHT OR LEFT LANES AS NEEDED OR DIRECTED BY THE ENGINEER.

F. MAINTAIN TRAFFIC UNDER THE BRIDGE ACCORDING TO STANDARD DRAWING MT-97.10 CLOSE THE RIGHT OR LEFT LANES AS NEEDED OR DIRECTED BY THE ENGINEER.

Work with the District Work Zone Manager to edit the standard Lane value contract table.

LANE VALUE CONTRACT TABLE			
DESCRIPTION OF CRITICAL LANE/RAMP TO BE MAINTAINED	RESTRICTED TIME PERIOD	TIME UNIT	$PER TIME UNIT
		Each Hour	
		Each Hour	

ITEM 614 - LAW ENFORCEMENT OFFICER WITH PATROL CAR
Work with the District Work Zone Manager to determine if an LEO is required. Modify the estimated quantities sheet to include or exclude the LEO payment item.

SPECIAL EVENTS HOLIDAY
Work with the District Work Zone Manager to identify any special event or holiday restrictions. List the dates and time associated with each event.

STEEL RESTRAIN OR PRELOAD LIMITS:
Work with the District Bridge Engineer to identify the appropriate existing steel grade and limiting unit stress. Which is equal to 50% of the steel materials yield strength (Fy) in pounds per square inch.

Existing ASTM Grade Do not subject any part of the structure to a JACKING, PULLING OR RESTRAINING unit stress exceeding 50% of the yield strength or psi

ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (MAIN MEMBERS):
Work with the District Bridge Engineer to perform an on the ground inspection to determine if existing main material steel replacement will be required. See the various possible table # 3, repair details WC1, WC2, BC1 and FC1 to estimate a quantity of removal for each repair type. Include a summation of all table # 3 removal quantities on the estimated quantity sheet

ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (SECONDARY MEMBERS):
Perform a field inspection as directed by the District Bridge Engineer. Determine if existing secondary material steel replacement will be required. See the various possible table # 3, repair details WC1, WC2, BC1, FC1 and table # 2 Heat Straightening Plan to estimate a quantity of removal for each repair type. Include a summation of all table # 2 and # 3 removal quantities on the estimated quantity sheet.

ITEM 512 - CONCRETE REPAIR BY EPOXY INJECTION:
Perform a field inspection as directed by the District Bridge Engineer. Determine if epoxy injection will be required to fill the gap between the main steel members and the concrete deck. Include this payment item if epoxy injection is necessary. Estimate a quantity at each damaged area. Provide data for table 4 plus any necessary additional details. Include a summation of all quantities on the estimated quantity sheet.

ITEM 513 - STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN:
Perform a field inspection as directed by the District Bridge Engineer. Determine if existing steel material replacement will be required. See the various possible table # 3, repair details WC1, WC2, BC1, FC1 and table # 2 Heat Straightening Plan to estimate a quantity of replacement materials for each repair type. Include a summation of all table # 2 and # 3 replacement quantities on the estimated quantity sheet.

ITEM 513 - STRUCTURAL STEEL MISC.: REPAIR OF DAMAGED MEMBERS: DRILLING:
Perform a field inspection as directed by the District Bridge Engineer. Determine if drilled holes will be required to arrest crack growth. See the various possible table # 3 repair details WC1, WC2, BC1 and FC1 to estimate a quantity of drilled holes for each repair type. Include a summation of all table # 3 drilled holes on the estimated quantity sheet.

ITEM 513 - STRUCTURAL STEEL MISC.: REPAIR OF DAMAGED MEMBERS COPE HOLES:
Perform a field inspection as directed by the District Bridge Engineer. Determine if coped holes will be required for weld repair. See the various possible table # 3 repair details WC1, WC2, BC1 and FC1 to estimate a quantity of coped holes for each repair type. Include a summation of all table # 3 coped holes on the estimated quantity sheet.

ITEM 513 - STRUCTURAL STEEL MISC.: REPAIR OF DAMAGED MAIN MEMBERS COMPLETE PENETRATION WELDING:
Perform a field inspection as directed by the District Bridge Engineer. Determine if complete penetration weld repairs will be required. See the various possible table # 3 repair details WC1, WC2, BC1, FC1 and FC2 to estimate a quantity of complete penetration welding for each repair type. Include the complete penetration welds necessary to repair stiffener or gusset plate materials that are directly attached to main material flanges and webs as part of this quantity. Include a summation of all table # 3 complete penetration welding on the estimated quantity sheet.

ITEM 513 - STRUCTURAL STEEL MISC.: REPAIR OF DAMAGED SECONDARY MEMBERS: FILLET WELDING:
Perform a field inspection as directed by the District Bridge Engineer. Determine if fillet weld repairs will be required. See the various possible table # 3 repair details WC1, WC2, BC1, FC1, FC2 and table # 2 Heat Straightening Plan to estimate a quantity of fillet welds for each repair type. Identify all fillet welds necessary to attach new main or secondary members directly identified in the repair details or needed to repair members removed to create access for the main member repairs. Include a summation of all table # 2 and # 3 fillet welding on the estimated quantity sheet.

ITEM 514 - FIELD PAINTING OF DAMAGED STRUCTURAL STEEL: ONE COAT, TWO COATS OR THREE COAT PAINT SYSTEM REPAIRS
Perform a field inspection as directed by the District Bridge Engineer. Determine the Type and, age or condition of the existing paint system. Three separate paint systems are included as plan insert notes to match possible paint type, remaining life or existing condition combinations. Select the most appropriate paint system as directed by the District Bridge Engineer. See the various possible: table # 2 Heat Straightening Plan; table # 3 repair details WC1, WC2, BC1, FC1, FC2; and the heat straightening work to estimate a quantity of field painting necessary for each repair. Include a summation of all surface area necessary for paint repairs from tables # 2, # 3 and the heat straightening plan on the estimated quantity sheet.

The three field painting note titles and descriptions are listed below:

ITEM 514 - FIELD PAINTING OF DAMAGED STRUCTURAL STEEL, AS PER PLAN (ONE COAT)

1.0 Description. This item consists of field painting structural steel previously coated with an unknown existing paint to correct damage by collision or corrosion. This work consists of performing surface preparation and applying a primer to the prepared steel and feathered removal areas of unknown existing paint systems.

ITEM 514 - FIELD PAINTING OF DAMAGED STRUCTURAL STEEL, AS PER PLAN (TWO COAT)

1.0 Description. This item consists of field painting structural steel previously coated with an older existing OZEU or IZEU paint system or unpainted weathering steel to correct damage by collision or corrosion. This work consist of performing surface preparation and applying a two-coat paint system to the prepared steel and feathered removal areas of existing OZEU or IZEU paint systems or unpainted weathering steel.

ITEM 514 - FIELD PAINTING OF DAMAGED STRUCTURAL STEEL, AS PER PLAN (THREE COAT)

1.0 Description. This item consists of field painting structural steel previously coated with an newer existing OZEU or IZEU paint system or unpainted weathering steel to correct damage by collision or corrosion. This work consist of performing surface preparation and applying a three-coat paint system to the prepared steel and feathered removal areas of existing OZEU or IZEU paint systems or unpainted weathering steel.

ITEM 516 - JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN

Perform a field inspection as directed by the District Bridge Engineer. Include this payment item. If resetting of bearings is necessary also provide table # 5 identifying which bearings are to be reset.

ITEM 519 - PATCHING CONCRETE STRUCTURES:
Perform a field inspection as directed by the District Bridge Engineer. Determine if concrete patching will be required. Include this payment item if concrete patching is necessary. Estimate a quantity for each damaged area. Provide a table # 6 and any necessary details in the plan. Include a summation of all quantities on the estimated quantity sheet.

OFFICE OF STRUCTURAL ENGINEERING

CHECKED / REVIEWED

DESIGNED

PLAN INSERT SHEET

COLLISION REPAIR AND HEAT STRAIGHTENING DESIGNER NOTES