ATTACHMENT A

DESIGN AND CONSTRUCTION REQUIREMENTS: STRUCTURES

- <u>1</u> Design and Construction Requirements of Structure: SUM-8-0023S [Ramp S (SB8 to EB76), Structure File Number 7700040]
- <u>Design and Construction Requirements of Structure: SUM-8-0038 [Under Johnston St CR702, Structure File Number 7700067]</u>
- <u>3 Design and Construction Requirements of Structure: SUM-8-0064 [Over Beacon Street, Structure File Number 7700091]</u>
- <u>4 Design and Construction Requirements of Structure: SUM-8-0086 [Over E Exchange St (CR627), Structure File Number 7700156]</u>
- 5 Design and Construction Requirements of Structure: SUM-8-0117 [Under Carrol St (CR651), Structure File Number 7700180]
- <u>Design and Construction Requirements of Structure: SUM-8-0125 [Under Buchtel St (CR645), Structure File Number 7700210]</u>
- 7 Design and Construction Requirements of Structure: SUM-8-0160 [Under Forge St, Structure File Number 7700245]
- <u>8 Design and Construction Requirements of Structure: SUM-59-0341 [Over SUM-8-1.76, Structure File Number 7700334]</u>
- 9 Design and Construction Requirements of Structure: SUM-76-0824L [Over Morse St, Structure File Number 7705859]
- Design and Construction Requirements of Structure: SUM-76-0824UR [Ramp U (EB76) Over Morse St, Structure File Number 7705883]
- Design and Construction Requirements of Structure: SUM-76-0831L [76 WB over 77, Structure File Number 7703570]
- 12 Design and Construction Requirements of Structure: SUM-76-0876 [Under East Ave CR668, Structure File Number 7703546]
- 13 Design and Construction Requirements of Structure: SUM-76-0894 [Under Ped Bridge, Structure File Number 7703511]
- 14 Design and Construction Requirements of Structure: SUM-76-0914 [Over Manchester Rd SR93, Structure File Number 7703481]
- Design and Construction Requirements of Structure: SUM-76-0954 [Over Bowery St & Ohio Canal, Structure File Number 7703457]
- 16 Design and Construction Requirements of Structure: SUM-76-0964 [Over Lakeshore Blvd CR600, Structure File Number 7703392]
- 17 Design and Construction Requirements of Structure: SUM-76-0994 [Under Princeton St, Structure File Number 7703368]
- 18 Design and Construction Requirements of Structure: SUM-76-1035N [Under Main St CR50, Structure File Number 7703317]
- 19 Design and Construction Requirements of Structure: SUM-76-1042N [Over Broadway, Sweitzer & CSXT, Structure File Number 7703252]
- <u>20 Design and Construction Requirements of Structure: SUM-76-1043 [On Ramp Over CSXT & Sweitzer Ave to 76 EB, Structure File Number 7703163]</u>
- 21 Design and Construction Requirements of Structure: SUM-76-1044 [76 WB Off Ramp over CSXT & Sweitzer Ave to Main St, Structure File Number 7703287]
- <u>Design and Construction Requirements of Structure: SUM-76-1048N [76 WB off Ramp over W5, Sweitzer & CSXT to S Broadway St, Structure File Number 7703597]</u>
- Design and Construction Requirements of Structure: SUM-76-1077N [Under Wolf Ledges CR648, Structure File Number 7703139]

- 24 Design and Construction Requirements of Structure: SUM-76-1085 [Under Grant St, Structure File Number 7703104]
- 25 Design and Construction Requirements of Structure: SUM-76-1102 [Under Ped Bridge, Structure File Number 7705891]
- <u>26 Design and Construction Requirements of Structure: SUM-76-1151L [76WB Over 77NB & 8, Structure</u> File Number 7706006]
- <u>27 Design and Construction Requirements of Structure: SUM-76-1154R [76EB Over 77NB & 8, Structure File Number 7706030]</u>
- <u>Design and Construction Requirements of Structure: SUM-76-1179R [Over Inman St, Structure File Number 7706189]</u>
- 29 Design and Construction Requirements of Structure: SUM-76-1200 [Under Ped Bridge, Structure File Number 7706219]
- <u>30 Design and Construction Requirements of Structure: SUM-77-0974R [Over Waterloo Rd CR672, Structure File Number 7702736]</u>
- <u>31 Design and Construction Requirements of Structure: SUM-77-0975L [Over Waterloo Rd CR672, Structure File Number 7702701]</u>
- <u>Design and Construction Requirements of Structure: SUM-77-1022 [Under Catawba Ave, Structure</u> File Number 7702760]
- Design and Construction Requirements of Structure: SUM-77-1082 [Over Firestone Blvd, Structure File Number 7702795]
- 34 Design and Construction Requirements of Structure: SUM-77-1096 [Over Archwood Ave, Structure File Number 7702884]
- 35 Design and Construction Requirements of Structure: SUM-77-1132 [Under Cole Ave, Structure File Number 7702825]
- <u>36 Design and Construction Requirements of Structure: SUM-77-1152 [Under Lovers Lane, Structure File Number 7702914]</u>
- <u>Design and Construction Requirements of Structure: SUM-77-1201 [77NB Over SUM-8-0.21, Structure File Number 7702973]</u>
- <u>Design and Construction Requirements of Structure: SUM-77-1543 [Over Hawkins Ave CR625, Structure File Number 7703600]</u>
- <u>39 Design and Construction Requirements of Structure: SUM-77-1570 [Over SUM-261-6.25, Structure File Number 7703635]</u>
- 40 Design and Construction Requirements of Structure: SUM-764-0214 [Over SUM-77-10.50, Structure File Number 7711220]
- <u>Design and Construction Requirements of Structure: SUM-8-00235 [Ramp S (SB8 to EB76), Structure File Number 7700040]</u>
- <u>Design and Construction Requirements of Structure: SUM-8-0038 [Under Johnston St CR702, Structure File Number 7700067]</u>
- <u>3</u> <u>Design and Construction Requirements of Structure: SUM-8-0064 [Over Beacon Street, Structure File Number 7700091]</u>
- <u>Design and Construction Requirements of Structure: SUM-8-0086 [Over E Exchange St (CR627), Structure File Number 7700156]</u>
- <u>Design and Construction Requirements of Structure: SUM-8-0117 [Under Carrol St (CR651), Structure File Number 7700180]</u>
- <u>Design and Construction Requirements of Structure: SUM-8-0125 [Under Buchtel St (CR645), Structure File Number 7700210]</u>
- <u>7</u>— <u>Design and Construction Requirements of Structure: SUM-8-0160 [Under Forge St, Structure File Number 7700245]</u>
- <u>Besign and Construction Requirements of Structure: SUM-59-0341 [Over SUM-8-1.76, Structure File Number 7700334]</u>
- Design and Construction Requirements of Structure: SUM-76-0824L [Over Morse St, Structure File Number 7705859]
- <u>Design and Construction Requirements of Structure: SUM-76-0824UR [Ramp U (EB76) Over Morse St. Structure File Number 7705883]</u>

- <u>11</u> <u>Design and Construction Requirements of Structure: SUM-76-0831L [76 WB over 77, Structure File Number 7703570]</u>
- Design and Construction Requirements of Structure: SUM-76-0876 [Under East Ave CR668, Structure File Number 7703546]
- <u>13</u> <u>Design and Construction Requirements of Structure: SUM-76-0894 [Under Ped Bridge, Structure File Number 7703511]</u>
- <u>14</u> <u>Design and Construction Requirements of Structure: SUM-76-0914 [Over Manchester Rd SR93, Structure File Number 7703481]</u>
- <u>Design and Construction Requirements of Structure: SUM-76-0954 [Over Bowery St & Ohio Canal, Structure File Number 7703457]</u>
- <u>16</u> <u>Design and Construction Requirements of Structure: SUM-76-0964 [Over Lakeshore Blvd CR600, Structure File Number 7703392]</u>
- <u>17</u> <u>Design and Construction Requirements of Structure: SUM-76-0994 [Under Princeton St, Structure File Number 7703368]</u>
- <u>Design and Construction Requirements of Structure: SUM-76-1035N [Under Main St CR50, Structure File Number 7703317]</u>
- <u>Design and Construction Requirements of Structure: SUM-76-1042N [Over Broadway, Sweitzer & CSXT, Structure File Number 7703252]</u>
- <u>Design and Construction Requirements of Structure: SUM-76-1043 [On Ramp Over CSXT & Sweitzer Ave to 76 EB, Structure File Number 7703163]</u>
- <u>21</u> <u>Design and Construction Requirements of Structure: SUM-76-1044 [76 WB Off Ramp over CSXT & Sweitzer Ave to Main St, Structure File Number 7703287]</u>
- <u>Design and Construction Requirements of Structure: SUM-76-1048N [76 WB off Ramp over W5, Sweitzer & CSXT to S Broadway St, Structure File Number 7703597]</u>
- <u>Design and Construction Requirements of Structure: SUM-76-1077N [Under Wolf Ledges CR648, Structure File Number 7703139]</u>
- <u>Design and Construction Requirements of Structure: SUM-76-1085 [Under Grant St, Structure File Number 7703104]</u>
- <u>Design and Construction Requirements of Structure: SUM-76-1102 [Under Ped Bridge, Structure File Number 7705891]</u>
- <u>Design and Construction Requirements of Structure: SUM-76-1151L [76WB Over 77NB & 8, Structure File Number 7706006]</u>
- <u>27</u> <u>Design and Construction Requirements of Structure: SUM-76-1154R [76EB Over 77NB & 8, Structure File Number 7706030]</u>
- <u>28</u> <u>Design and Construction Requirements of Structure: SUM-76-1179R [Over Inman St, Structure File Number 7706189]</u>
- <u>29</u> <u>Design and Construction Requirements of Structure: SUM-76-1200 [Under Ped Bridge, Structure File Number 7706219]</u>
- <u>Design and Construction Requirements of Structure: SUM-77-0974R [Over Waterloo Rd CR672, Structure File Number 7702736]</u>
- 31 <u>Design and Construction Requirements of Structure: SUM-77-0975L [Over Waterloo Rd CR672, Structure File Number 7702701]</u>
- <u>Design and Construction Requirements of Structure: SUM-77-1022 [Under Catawba Ave, Structure File Number 7702760]</u>
- <u>Design and Construction Requirements of Structure: SUM-77-1082 [Over Firestone Blvd, Structure File Number 7702795]</u>
- <u>34</u> <u>Design and Construction Requirements of Structure: SUM-77-1096 [Over Archwood Ave, Structure File Number 7702884]</u>
- 35 Design and Construction Requirements of Structure: SUM-77-1132 [Under Cole Ave, Structure File Number 7702825]
- 36 Design and Construction Requirements of Structure: SUM-77-1152 [Under Lovers Lane, Structure File Number 7702914]
- <u>37</u> <u>Design and Construction Requirements of Structure: SUM-77-1201 [77NB Over SUM-8-0.21, Structure File Number 7702973]</u>

- <u>38</u> <u>Design and Construction Requirements of Structure: SUM-77-1543 [Over Hawkins Ave CR625, Structure File Number 7703600]</u>
- <u>Design and Construction Requirements of Structure: SUM-77-1570 [Over SUM-261-6.25, Structure File Number 7703635]</u>
- <u>40</u> Design and Construction Requirements of Structure: SUM-764-0214 [Over SUM-77-10.50, Structure File Number 7711220]

1 Design and Construction Requirements of Structure: SUM-8-0023S [Ramp S (SB8 to EB76), Structure File Number 7700040]

in addition to the Governing Regulations listed in section 8.1 of the Scope of Services:

Existing Structure Data:							
Length:	_153'-4 5/8" ±						
Width o/o:	40'-0"±						
Design Loading:	CF2000						
Type:	Two Span Continuous Rolled Beam with Reinforced Concrete Deck &						
	Substructure						
Spans:	72'-1 5/16"± 72'-1 5/16"± (measured along chord)						
Date Built:	1960± / Rehabilitated 2002±						
Alignment & Profile:							
Alignment: 🖂	Existing 🗌 Relocated 🗌 By ODOT 🛛 By DBT						
Profile:	Existing Relocated Feathered (Adjustment) By ODOT By DBT						
Investigate the need for Prefabricated Structure :							
Investigate the need for R	etaining Walls: 🗌 Yes 🔀 No						
The Department will NOT be responsible for collecti	provide foundation investigation. If field information is required the DBT willing the data.						
All Shop Drawings will co	mply with Item 501						

All **Shop Drawings** will comply with Item 501.

- A. Concrete Sealing
 - 1. Bridge Deck and Approach Slabs: Seal with Gravity Fed Resin
 - 2. Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design Manual using Epoxy-Urethane Sealer
 - 3. Substructure: Remove existing sealer (if present) and Seal all exposed concrete surfaces except for the tops of the Pier Caps using Epoxy-Urethane Sealer
- B. Superstructure
 - 1. Remove Spalls and Delamination over Safety Sensitive Areas (Pavement, Shoulders, Sidewalks, etc.) from the Floor (bottom of Bridge Deck), do not patch these areas. Apply Epoxy-Urethane Sealer to the areas of the removals [Refer to Attachment F for Plan Note]. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 2. Remove all dirt and debris from the Beam Seats, Drainage Systems (if present), and Bridge Joints as per Plan Insert Sheet BC
 - 3. Paint Fascia Beams (exterior and bottom flanges only) of the existing Structural Steel as per CMS 514
 - 4. Inspect Bridge Deck, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 5. Remove and replace the Expansion Joint Strip Seals at the Forward and Rear Approach
 - 6. Repair the parapet at the rear left of the Structure. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- C. Substructure

- 1. Inspect substructure, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- D. Repair the erosion at the rear left of the Structure. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- E. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]
- F. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]

2 Design and Construction Requirements of Structure: SUM-8-0038 [Under Johnston St CR702, Structure File Number 7700067]

in addition to the Governing Regulations listed in section 8.1 of the Scope of Services:

	Length: Width o/o:		308.64 ±							
			46'-0"±							
	Design Loa	ading:	HS20							
	Type:	•	Four Spa	n Co	ntinuous St	eel Be	eam with I	Reinfor	ced Concret	e Deck &
	,,		Substruct							
	Spans:		67'-5 ¾"± 74'-9 5/8"± 77'-5 7/8"± 80'-10 9/16"±							
	Date Built	:			litated 1990					
Alignm	ent & Prof	ile:								
3	Alignment		Existing		Relocated		By ODOT	\boxtimes	By DBT	
	Profile:		Existing		Relocated		Feathered By ODOT		stment) By DBT	
Investig	gate the ne	ed for P	refabricat	ed Sti	ructure:] Yes	⊠ No			
Investi	gate the ne	ed for R	etaining W	/alls:	☐ Yes ▷] No				
	partment woonsible for				ion investiga	tion.	If field info	rmatio	n is required	the DBT will
All Sho	p Drawings	will co	mply with I	tem 5	501.					
Additio	nal Descrip	tion of	Required W	ork a	nd Special Pi	ovisio	ns:			
	A. Concre	ete Seal	ing							
	Ma		ing Non-Ep	ure: Remove existing sealer (if present) and Seal as per the Bridge Design g Non-Epoxy Sealer on the						
	2. Su	bstructi	ire: Remo	: Remove existing sealer (if present) and Seal all exposed concrete ept for the tops of the Pier Caps using Epoxy-Urethane Sealer						

B. Superstructure

Existing Structure Data:

- Remove Spalls and Delamination over Safety Sensitive Areas (Pavement, Shoulders, Sidewalks, etc.) from the Floor (bottom of Bridge Deck), do not patch these areas. Apply Epoxy-Urethane Sealer to the areas of the removals [Refer to Attachment F for Plan Note]. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- 2. Remove all dirt and debris from the Beam Seats, Drainage Systems (if present), and Bridge Joints as per Plan Insert Sheet BC
- 3. Paint Structure Steel according to CMS 514
- 4. Repair Paint the existing metal curb plates and sidewalk joint armor as per CMS 514.22.
- 5. Refurbish all Bearings (per Bridge Design Manual Note 610.4-1) at the Rear and Forward Abutments
- 6. Remove the existing Vandal Protection Fence and install new Vandal Protection Fence as per Standard Drawing VPF-1-90 (Straight Fence) and Scope Attachment G. The color of the Fence Fabric, Rails, Posts, Plates, Tie Wires, Nuts, Bolts, Caulk, and any other visual hardware will be coated Black (Federal Color No. 27038)
- C. Substructure

- 1. Inspect substructure, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- D. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]
- E. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]

3 Design and Construction Requirements of Structure: SUM-8-0064 [Over Beacon Street, Structure File Number 7700091]

in addition to the Governing Regulations listed in section 8.1 of the Scope of Services:

Existing Structure Data:							
Length:	_133.06' ±						
Width o/o:	129'-0"±						
Design Loading:	HS-20-44 (Case I) and the Alternate Military Loading						
Type:	Two Span Continuous Steel Beam with Composite Reinforced Concrete						
	Deck & Substructure						
Spans:	63'-6"± 63'-6"±						
Date Built:	1962± / Rehabilitated 1982±, 2002±						
Alignment & Profile: Alignment:	Existing Relocated By ODOT By DBT						
Profile: ⊠	Existing Relocated Feathered (Adjustment) By ODOT By DBT						
Investigate the need for Prefabricated Structure :							
Investigate the need for Retaining Walls : Yes No							
The Department will NOT provide foundation investigation. If field information is required the DBT will be responsible for collecting the data.							
All Shop Drawings will co	mply with Item 501						

All **Shop Drawings** will comply with Item 501.

- A. Concrete Sealing
 - 1. Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design Manual using Epoxy-Urethane Sealer
 - 2. Substructure: Remove existing sealer (if present) and Seal all exposed concrete surfaces except for the tops of the Pier Caps using Epoxy-Urethane Sealer
- B. Superstructure
 - Remove Spalls and Delamination over Safety Sensitive Areas (Pavement, Shoulders, Sidewalks, etc.) from the Floor (bottom of Bridge Deck), do not patch these areas. Apply Epoxy-Urethane Sealer to the areas of the removals [Refer to Attachment F for Plan Note]. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 2. Perform a Concrete Overlay to the Bridge Deck and Approach Slabs and replace with a new Micro-Silica Concrete Overlay matching the current elevation of existing Concrete Overlay the per Supplemental Specification 848 [Refer to Attachment F for Plan Note]. Payment for Hand Chipping, Full Depth Repair and Variable Thickness (Material Only) will be made on a unit cost basis and an estimated quantity has been provided in the Proposal. The overlay will be variable thickness to adjust the crown location on the bridge to align with the approach roadway.
- C. Substructure
 - 1. Inspect substructure, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- D. Repair the erosion at the forward right of the Structure. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.

- E. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]F. Prior to the start of construction and at the completion of construction Vertical Clearance
- F. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]

4 Design and Construction Requirements of Structure: SUM-8-0086 [Over E Exchange St (CR627), Structure File Number 7700156]

in addition to the Governing Regulations listed in section 8.1 of the Scope of Services:

Existing Structure Data:							
Length:	91.50' ±						
Width o/o:	Varies HS20						
Design Loading:							
Type:	Single Span Non Composite Steel Girder with Reinforced Concrete Deck &						
	Substructure						
Spans:	86'-6"±						
Date Built:	1962± / Rehabilitated 1982±, 1992±, 2002						
Alignment & Profile:							
Alignment:	Existing Relocated By ODOT By DBT						
Profile:	Existing Relocated Feathered (Adjustment) By ODOT By DBT						
Investigate the need for P	refabricated Structure: Yes No						
Investigate the need for R	etaining Walls:						
The Department will NOT be responsible for collecti	provide foundation investigation. If field information is required the DBT will ${\sf ng}$ the data.						
All Shop Drawings will co	mply with Item 501.						

- A. Concrete Sealing
 - 1. Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design Manual using Epoxy-Urethane Sealer
 - 2. Substructure: Remove existing sealer (if present) and Seal all exposed concrete surfaces except for the tops of the Pier Caps using Epoxy-Urethane Sealer
- B. Superstructure
 - 1. Remove Spalls and Delamination over Safety Sensitive Areas (Pavement, Shoulders, Sidewalks, etc.) from the Floor (bottom of Bridge Deck), do not patch these areas. Apply Epoxy-Urethane Sealer to the areas of the removals [Refer to Attachment F for Plan Note]. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 2. Perform a Concrete Overlay to the Bridge Deck and Approach Slabs and replace with a new Micro-Silica Concrete Overlay matching the current elevation of existing Concrete Overlay the per Supplemental Specification 848 [Refer to Attachment F for Plan Note]. Payment for Hand Chipping, Full Depth Repair and Variable Thickness (Material Only) will be made on a unit cost basis and an estimated quantity has been provided in the Proposal. The overlay will be variable thickness to adjust the crown location on the bridge to align with the approach roadway.
- C. Substructure
 - 1. Inspect substructure, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- D. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]

E. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]

Design and Construction Requirements of Structure: SUM-8-0117 [Under Carrol St (CR651), Structure File Number 7700180]

in addition to the Governing Regulations listed in section 8.1 of the Scope of Services:

Existing Structure Data:							
Length:	_119.66' ±						
Width o/o:	62'-6 ½"±						
Design Loading:	HS20						
Type:	Two Span Continuous Steel Beam with Reinforced Concrete Deck &						
	Substructure						
Spans:	57'-4"± 57'-4"±						
Date Built:	1962± / Rehabilitated 2002±						
Alignment & Profile: Alignment:	Existing Relocated By ODOT By DBT						
Profile:	Existing Relocated Feathered (Adjustment) By ODOT By DBT						
Investigate the need for P	refabricated Structure: Yes No						
Investigate the need for R	etaining Walls: 🗌 Yes 🔀 No						
The Department will NOT be responsible for collecti	provide foundation investigation. If field information is required the DBT willing the data.						
All Shon Drawings will co	mnly with Item 501						

All **Shop Drawings** will comply with Item 501.

- A. Concrete Sealing
 - 1. Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design Manual using Non-Epoxy Sealer on the sidewalk and Epoxy-Urethane Sealer on the remainder.
 - 2. Substructure: Remove existing sealer (if present) and Seal all exposed concrete surfaces except for the tops of the Pier Caps using Epoxy-Urethane Sealer
- B. Superstructure
 - 1. Remove Spalls and Delamination over Safety Sensitive Areas (Pavement, Shoulders, Sidewalks, etc.) from the Floor (bottom of Bridge Deck), do not patch these areas. Apply Epoxy-Urethane Sealer to the areas of the removals [Refer to Attachment F for Plan Note]. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 2. Remove and replace the Expansion Joint Strip Seals at the Forward and Rear Approach
 - Remove the existing Vandal Protection Fence and install new Vandal Protection Fence as per Standard Drawing VPF-1-90 (Straight Fence) and Scope Attachment G. The color of the Fence Fabric, Rails, Posts, Plates, Tie Wires, Nuts, Bolts, Caulk, and any other visual hardware will be coated Black (Federal Color No. 27038)
- C. Substructure
 - 1. Inspect substructure, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- D. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]
- E. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer

within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]

6 Design and Construction Requirements of Structure: SUM-8-0125 [Under Buchtel St (CR645), Structure File Number 7700210]

in addition to the Governing Regulations listed in section 8.1 of the Scope of Services:

Existing Structure Data:							
Length:	119.68' ±						
Width o/o:	62'-6 ½"± HS20						
Design Loading:							
Type:	Two Span Continuous Steel Beam with Reinforced Concrete Deck &						
	Substructure						
Spans:	57'-4"± 57'-4"±						
Date Built:	1962± / Rehabilitated 1986±, 2002±						
Alignment & Profile: Alignment:	Existing Relocated By ODOT By DBT						
Profile:	Existing Relocated Feathered (Adjustment) By ODOT By DBT						
Investigate the need for P	refabricated Structure: Yes No						
Investigate the need for R	etaining Walls: 🗌 Yes 🔀 No						
The Department will NOT be responsible for collecti	provide foundation investigation. If field information is required the DBT will ng the data.						
All Shop Drawings will cor	mply with Item 501.						

- A. Concrete Sealing
 - 1. Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design Manual using Non-Epoxy Sealer on the sidewalk and Epoxy-Urethane Sealer on the remainder.
 - 2. Substructure: Remove existing sealer (if present) and Seal all exposed concrete surfaces except for the tops of the Pier Caps using Epoxy-Urethane Sealer
- B. Superstructure
 - 1. Remove Spalls and Delamination over Safety Sensitive Areas (Pavement, Shoulders, Sidewalks, etc.) from the Floor (bottom of Bridge Deck), do not patch these areas. Apply Epoxy-Urethane Sealer to the areas of the removals [Refer to Attachment F for Plan Note]. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 2. Remove the existing Vandal Protection Fence and install new Vandal Protection Fence as per Standard Drawing VPF-1-90 (Straight Fence) and Scope Attachment G. The color of the Fence Fabric, Rails, Posts, Plates, Tie Wires, Nuts, Bolts, Caulk, and any other visual hardware will be coated Black (Federal Color No. 27038)
- C. Substructure
 - 1. Inspect substructure, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- D. The Engineer will designate portions of the approach sidewalk to be removed and replaced based upon condition. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- E. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]

F. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]

7 Design and Construction Requirements of Structure: SUM-8-0160 [Under Forge St, Structure File Number 7700245]

in addition to the Governing Regulations listed in section 8.1 of the Scope of Services:

Existing Structure Data:							
Length:	216.97' ±						
Width o/o:	68'-0"±						
Design Loading:	HS25						
Type:	Two Span Continuous Steel Beam with Composite Reinforced Concrete						
	Deck & Substructure						
Spans:	102'-1"± 112'-7"±						
Date Built:	2002±						
Alignment & Profile:							
Alignment: 🛛	Existing 🗌 Relocated 🗌 By ODOT 🛛 By DBT						
Profile:	Existing Relocated Feathered (Adjustment) By ODOT By DBT						
Investigate the need for P	refabricated Structure: Yes No						
Investigate the need for R	etaining Walls: 🗌 Yes 🔀 No						
The Department will NOT be responsible for collecti	provide foundation investigation. If field information is required the DBT willing the data.						
All Shop Drawings will cor	mply with Item 501.						

- A. Concrete Sealing
 - 1. Bridge Deck and Approach Slabs: Seal with Gravity Fed Resin
 - 2. Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design Manual using Non-Epoxy Sealer on the sidewalk and Epoxy-Urethane Sealer on the
 - 3. Substructure: Remove existing sealer (if present) and Seal all exposed concrete surfaces except for the tops of the Pier Caps using Epoxy-Urethane Sealer
- B. Superstructure
 - 1. Remove Spalls and Delamination over Safety Sensitive Areas (Pavement, Shoulders, Sidewalks, etc.) from the Floor (bottom of Bridge Deck), do not patch these areas. Apply Epoxy-Urethane Sealer to the areas of the removals [Refer to Attachment F for Plan Note]. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 2. Inspect Bridge Deck, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 3. Remove and replace the existing asphalt from the Pressure Relief Joints at each end of the Structure.
- C. Substructure
 - 1. Inspect substructure, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- D. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]

E. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]

8 Design and Construction Requirements of Structure: SUM-59-0341 [Over SUM-8-1.76, Structure File Number 7700334]

in addition to the Governing Regulations listed in section 8.1 of the Scope of Services:

Existing Struc	ture Data	:								
Length	ո:	120.52' ±	_120.52' ±							
Width	o/o:	66'-6"±	66'-6"± HS20							
Design	Loading:	HS20								
Type:		Two Spa	n Continuous	s Steel Bo	eam with F	Reinford	ed Concrete	Deck &		
		Substruct	ure							
Spans:		57'-8 7/8	3"± 57'-8 7	/8"±						
Date B	Built:	1962± / F	Rehabilitated	1986±, 200	2±					
Alignment & F		_		_		_				
Alignm	nent: $oxedsymbol{oxed}$	Existing	☐ Reloca	ted	By ODOT	\boxtimes	By DBT			
Profile	e: 🗵	Existing	☐ Reloca	ted 🗌	Feathered By ODOT		tment) By DBT			
Investigate the	e need for	Prefabricat	ed Structure	: Yes	⊠ No					
Investigate the	e need for	Retaining V	Valls: 🗌 Yes	s 🖂 No						
The Departme be responsible		•		stigation.	If field info	mation	is required tl	ne DBT will		
All Shop Draw	rings will o	comply with	Item 501.							

- A. Concrete Sealing
 - 1. Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design Manual using Non-Epoxy Sealer on the sidewalk and Epoxy-Urethane Sealer on the remainder. Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design Manual using Epoxy-Urethane Sealer
 - 2. Substructure: Remove existing sealer (if present) and Seal all exposed concrete surfaces except for the tops of the Pier Caps using Epoxy-Urethane Sealer
- B. Superstructure
 - Remove Spalls and Delamination over Safety Sensitive Areas (Pavement, Shoulders, Sidewalks, etc.) from the Floor (bottom of Bridge Deck), do not patch these areas. Apply Epoxy-Urethane Sealer to the areas of the removals [Refer to Attachment F for Plan Note]. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- C. Substructure
 - 1. Inspect substructure, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- D. The Engineer will designate portions of the approach sidewalk to be removed and replaced based upon condition. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- E. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]
- **F.** Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer

within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]

9 Design and Construction Requirements of Structure: SUM-76-0824L [Over Morse St, Structure File Number 7705859]

in addition to the Governing Regulations listed in section 8.1 of the Scope of Services:

Existing Structure Data:							
Length:	151.62' ±						
Width o/o:	Varies						
Design Loading:	CF2000(57)						
Type:	Three Span Continuous Steel Beam with Reinforced Concrete Deck &						
	Substructure						
Spans:	45'-0" ± 57'-0"± 45'-0"±						
Date Built:	1964± / Rehabilitated 1986						
Alignment & Profile: Alignment:	Existing Relocated By ODOT By DBT						
Profile:	Existing Relocated Feathered (Adjustment) By ODOT By DBT						
Investigate the need for Prefabricated Structure :							
Investigate the need for Retaining Walls : Yes No							
The Department will NOT provide foundation investigation. If field information is required the DBT will be responsible for collecting the data.							
All Shop Drawings will comply with Item 501.							

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- A. Rear Bridge Approaches (Southern Ends)
 - 1. Remove the existing asphalt from the top of the Approach Slabs
 - 2. Mill and remove asphalt to a depth of at least 1½" beyond the ends of the Approach Slabs for a distance of 25'
 - 3. Place ITEM 441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M and ITEM 407 NON-TRACKING TACK COAT on the Approach Slabs the area milled
- B. Concrete Sealing
 - 1. Bridge Deck: Seal with Gravity Fed Resin
 - 2. Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design Manual using Epoxy-Urethane Sealer
 - 3. Substructure: Remove existing sealer (if present) and Seal all exposed concrete surfaces except for the tops of the Pier Caps using Epoxy-Urethane Sealer
- C. Superstructure
 - Remove Spalls and Delamination over Safety Sensitive Areas (Pavement, Shoulders, Sidewalks, etc.) from the Floor (bottom of Bridge Deck), do not patch these areas. Apply Epoxy-Urethane Sealer to the areas of the removals [Refer to Attachment F for Plan Note]. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 2. Remove all dirt and debris from the Beam Seats, Drainage Systems (if present), and Bridge Joints as per Plan Insert Sheet BC
 - 3. Inspect Bridge Deck, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 4. Refurbish all Bearings (per Bridge Design Manual Note 610.4-1)

- 5. Remove existing Cathodic Protection System, this includes disconnecting the power service, removal of cabinet, conduit, wiring, etc.
- D. Substructure
 - 1. Inspect substructure, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- E. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]
- F. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]

10 Design and Construction Requirements of Structure: SUM-76-0824UR [Ramp U (EB76) Over Morse St, Structure File Number 77058831

in addition to the Governing Regulations listed in section 8.1 of the Scope of Services:

Existin	g Structure Da	ata:									
	Length:		118.59' ±								
	Width o/o:			44'-4"±							
	Design Loadir	ng:	CF2000(57)								
	Type:		Three Spa	ın Cor	ntinuous Con	crete	Slab				
	Spans:		45'-0" ± -	57'	-0"± 45'-0)"±					
	Date Built:		1964± / R	ehabi	litated 1986						
		'-									
Alignm	ent & Profile:										
	Alignment:	\boxtimes	Existing		Relocated		By ODOT	\boxtimes	By DBT		
		_		_		_					
	Profile:	\boxtimes	Existing	Ш	Relocated	Ш	Feathered	` -			
						Ш	By ODOT	\boxtimes	By DBT		
Investi	gate the need	for P	refabricate	ed Str	ucture: 📋	Yes	⊠ No				
						7					
Investi	gate the need	tor R	etaining W	alls:	∐ Yes ⊠	No					
TI . D		мот			· • • •		16 6 1 1 1 1 6			DDT	
The Department will NOT provide foundation investigation. If field information is required the DBT will be responsible for collecting the data.											
be resp	onsible for co	uecti	ng the data	1.							
All Sho	All Shop Drawings will comply with Item 501.										
-((JIIO	P DIGWINSS WI	itt COI	npty with i	ceiii J							

- A. Concrete Sealing
 - 1. Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design Manual using Epoxy-Urethane Sealer
 - 2. Substructure: Remove existing sealer (if present) and Seal all exposed concrete surfaces except for the tops of the Pier Caps using Epoxy-Urethane Sealer
- B. Superstructure
 - 1. Remove Spalls and Delamination over Safety Sensitive Areas (Pavement, Shoulders, Sidewalks, etc.) from the Floor (bottom of Bridge Deck), do not patch these areas. Apply Epoxy-Urethane Sealer to the areas of the removals [Refer to Attachment F for Plan Note]. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 2. Remove Asphalt from Bridge Deck and Approach Slabs
 - 3. Repair the bottom of the deck at the locations determined by the Project Engineer per the Bridge Design Manual Section 403.2.2 with Composite Fiber Wrap System over safety sensitive areas. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - Inspect Bridge Deck, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal. Work to be performed after the existing asphalt has been removed from the deck.
 - 5. Remove existing Cathodic Protection System, this includes disconnecting the power service, removal of cabinet, conduit, wiring, etc.
- C. Substructure

- 1. Inspect substructure, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- D. Remove the existing guardrail (on both the left and right of the ramp) at the trailing end of the structure and replace with Single Slope Barrier, Type D at the same offset as the existing guardrail (including appropriate transitions and end anchorages)
- E. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]
- F. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]

11 Design and Construction Requirements of Structure: SUM-76-0831L [76 WB over 77, Structure File Number 7703570]

in addition to the Governing Regulations listed in section 8.1 of the Scope of Services:

Existing Structure Data:							
Length: 19	97.16' ±						
Width o/o: 78	78'-4"±						
Design Loading: CI	F2000(57)						
Type: Fo	Four Span Continuous Steel Beam with Reinforced Concrete Deck &						
Sı	Substructure						
Spans: 35	5'-0" ± 51'-0"± 62'-6"± 44'-0"±						
Date Built: 19	964± / Rehabilitated 1986						
Alignment & Profile: Alignment: 🖂 Ex	xisting Relocated By ODOT By DBT						
Profile: 🛭 Ex	xisting Relocated Feathered (Adjustment) By ODOT By DBT						
Investigate the need for Prefabricated Structure :							
Investigate the need for Retaining Walls : Yes No							
The Department will NOT provide foundation investigation. If field information is required the DBT will be responsible for collecting the data.							
All Shop Drawings will comply with Item 501.							

- A. Concrete Sealing
 - 1. Bridge Deck: Seal with Gravity Fed Resin
 - 2. Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design Manual using Epoxy-Urethane Sealer
 - 3. Substructure: Remove existing sealer (if present) and Seal all exposed concrete surfaces except for the tops of the Pier Caps using Epoxy-Urethane Sealer
- B. Superstructure
 - 1. Remove Spalls and Delamination over Safety Sensitive Areas (Pavement, Shoulders, Sidewalks, etc.) from the Floor (bottom of Bridge Deck), do not patch these areas. Apply Epoxy-Urethane Sealer to the areas of the removals [Refer to Attachment F for Plan Note]. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 2. Remove all dirt and debris from the Beam Seats, Drainage Systems (if present), and Bridge Joints as per Plan Insert Sheet BC
 - 3. Paint Fascia Beams (exterior and bottom flanges only) of the existing Structural Steel as per CMS 514
 - 4. Inspect Bridge Deck, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 5. Refurbish all Bearings (per Bridge Design Manual Note 610.4-1)
 - 6. Replace missing or damaged Parapet Expansion Plates.
 - 7. Replace Forward Right Scupper
- C. Substructure

- 1. Inspect substructure, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- D. Repair the erosion at the forward right of the Structure. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- E. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]
- F. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]

12 Design and Construction Requirements of Structure: SUM-76-0876 [Under East Ave CR668, Structure File Number 7703546]

in addition to the Governing Regulations listed in section 8.1 of the Scope of Services:

Existing Structure Data:							
Length:	295.03' ±						
Width o/o:	78'-4"±						
Design Loading:	HS20						
Type:	Four Span Continuous Steel Beam with Reinforced Concrete Deck &						
	Substructure						
Spans:	55'-0" ± 78'-0"± 92'-4"± 64'-0"±						
Date Built:	1964± / Rehabilitated 1989						
Alignment & Profile: Alignment:	Existing Relocated By ODOT By DBT						
Augiment.	Existing Netocated by ODO1 by DD1						
Profile:	Existing Relocated Feathered (Adjustment)						
Trome:	By ODOT By DBT						
Investigate the need for P	refabricated Structure: 🗌 Yes 🛛 No						
Investigate the need for R	etaining Walls: 🗌 Yes 🛛 No						
The Department will NOT be responsible for collecti	provide foundation investigation. If field information is required the DBT will ng the data.						
All Shon Drawings will cor	mnly with Item 501						

All **Shop Drawings** will comply with Item 501.

- A. Concrete Sealing
 - 1. Bridge Deck: Seal with Gravity Fed Resin
 - 2. Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design Manual using Non-Epoxy Sealer on the sidewalk and Epoxy-Urethane Sealer on the
 - 3. Substructure: Remove existing sealer (if present) and Seal all exposed concrete surfaces except for the tops of the Pier Caps using Epoxy-Urethane Sealer
- B. Superstructure
 - 1. Remove Spalls and Delamination over Safety Sensitive Areas (Pavement, Shoulders, Sidewalks, etc.) from the Floor (bottom of Bridge Deck), do not patch these areas. Apply Epoxy-Urethane Sealer to the areas of the removals [Refer to Attachment F for Plan Note]. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 2. Remove all dirt and debris from the Beam Seats, Drainage Systems (if present), and Bridge Joints as per Plan Insert Sheet BC
 - 3. Paint Structure Steel according to CMS 514
 - 4. Repair Paint the existing metal curb plates and sidewalk joint armor as per CMS 514.22.
 - 5. Inspect Bridge Deck, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 6. Refurbish all Bearings (per Bridge Design Manual Note 610.4-1)
 - 7. Remove the existing Vandal Protection Fence and install new Vandal Protection Fence as per Standard Drawing VPF-1-90 (Straight Fence) and Scope Attachment G. The color of the Fence Fabric, Rails, Posts, Plates, Tie Wires, Nuts, Bolts, Caulk, and any other visual hardware will be coated Black (Federal Color No. 27038)

- 8. Install Scuppers in the three (3) drilled holes in the deck on the left side near the forward abutment.
- C. Substructure
 - 1. Inspect substructure, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- D. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]
- E. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]

13 Design and Construction Requirements of Structure: SUM-76-0894 [Under Ped Bridge, Structure File Number 7703511]

in addition to the Governing Regulations listed in section 8.1 of the Scope of Services:

Existin	g Structure Da	ata:																		
Length:		262.12' ± 10'-4"± 85 PSF Four Span Continuous Steel Beam with Reinforced Concrete Deck &																		
Width o/o: Design Loading: Type:																				
											71		Substructure							
											Spans:	•	55'-0" ± 78'-0"± 92'-4"± 64'-0"±							
	Date Built:	•	1964± / Rehabilitated 1989																	
	Date Buitt.	-	1704± / K	CHabi	ittated 1707															
Alianm	ent & Profile:																			
Augiiii	Alignment:	\boxtimes	Existing		Relocated		By ODOT	\boxtimes	By DBT											
	Augilinent.		LAISTING	Ш	Netocated	Ш	ву овот		оу оот											
	Profile:	\square	Existing		Relocated		Feathered	(Adius	rtmont)											
	rionie.	\boxtimes	LXISTING	Ш	Relocated	H	By ODOT	` -	,											
						Ш	ву ОБОТ	\boxtimes	By DBT											
Investig	gate the need	tor P	refabricate	ed Str	ructure: 📋	Yes	⊠ No													
						7														
Investig	gate the need	for R	etaining W	alls:	∐ Yes ≥	No														
					ion investiga	tion.	If field infor	matior	n is required th	⊩e DBT will										
be resp	onsible for co	llecti	ng the data	ì.																
All Sho	p Drawings wi	ill cor	nply with I	tem 5	501.															
Additio	nal Description	n of F	Required W	ork a	nd Special Pr	ovision	ns:													

- A. Concrete Sealing
 - 1. Bridge Deck: Seal with Gravity Fed Resin
 - 2. Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design Manual using Epoxy-Urethane Sealer
 - 3. Substructure: Remove existing sealer (if present) and Seal all exposed concrete surfaces except for the tops of the Pier Caps using Epoxy-Urethane Sealer
- B. Superstructure
 - 1. Remove Spalls and Delamination over Safety Sensitive Areas (Pavement, Shoulders, Sidewalks, etc.) from the Floor (bottom of Bridge Deck), do not patch these areas. Apply Epoxy-Urethane Sealer to the areas of the removals [Refer to Attachment F for Plan Note]. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 2. Remove all dirt and debris from the Beam Seats, Drainage Systems (if present), and Bridge Joints as per Plan Insert Sheet BC
 - 3. Paint Structure Steel according to CMS 514
 - 4. Inspect Bridge Deck, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 5. Refurbish all Bearings (per Bridge Design Manual Note 610.4-1) at the Rear and Forward Abutments
 - 6. Remove and replace the Compression Seals at the Forward and Rear Approach
 - 7. Remove the existing Vandal Protection Fence and install new Vandal Protection Fence as per Standard Drawing VPF-1-90 (Curved Fence) with the top of the fence being a minimum of 12'-0" high above bridge deck. The color of the Fence Fabric, Rails, Posts,

Plates, Tie Wires, Nuts, Bolts, Caulk, and any other visual hardware will be coated Black (Federal Color No. 27038)

C. Substructure

- 1. Inspect substructure, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- D. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]
- E. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]

14 Design and Construction Requirements of Structure: SUM-76-0914 [Over Manchester Rd SR93, Structure File Number 7703481]

in addition to the Governing Regulations listed in section 8.1 of the Scope of Services:

Existing Structure Dat										
Length: Width o/o:		160.10'±								
		142'-0"±								
Design Loading		CF2000(57)								
Type:	Three Span Continuous Steel Beam with Reinforced Concrete Deck &									
•	Substructure									
Spans:	45'-6"± 64'-6"± 45'-6"±									
Date Built:	1964±, Rehabilitated 1983±,2015±									
Alignment & Profile:										
Alignment:	Existing Relocated By ODOT	⊠ By DB	Τ							
Profile:	☐ Existing☐ Relocated☐ By ODOT	Adjustment) By DB								
Transverse Sections:										
Roadway	Each Direction \rightarrow 67'-8 5/8" t/t barrier (8'-2 $\frac{1}{2}$	" Inside Shoι	ılder, 4 x 12'-0"							
Width:	Lanes, 11'-6 1/8" Outside Shoulder)									
Railing:	Type: SBR-1-20 (Outside) SBR-2-20 (Median) (1" Gap)	Height:	42" (Outside) 57" (Median)							
Fence:	Yes No Height / Configuration:	N/A								
Sidewalks:	Yes No Width:	N/A								
Investigate the need fo	for Prefabricated Structure : Yes No									
Investigate the need fo	or Retaining Walls : Yes 🔀 No									
	on information, performed by DLZ Ohio, is provided quired the DBT will be responsible for collecting the		nt P. If additional							

All Shop Drawings will comply with Item 501.

- A. The Structure Type Study prepared by DLZ (dated 08/30/2019) is provided as Attachment I of the Scope of Services. The Structure Type Study is provided for reference only.
- B. Remove and replace the existing bridge superstructure (bridge deck, beams, bearings, etc.)
- C. Vertical Clearance
 - 1. The minimum acceptable vertical clearance is 15'-6"
 - 2. The existing vertical clearance is 14'-9"± (measurements were taken by ODOT D04 and are provided in Attachment J), DBT must verify this prior to starting construction beginning.
 - 3. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken by the DBT. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]
- D. Perform Structure Load Rating as per the Bridge Design Manual Section 900
- E. Structure Loading Requirement shall follow the Bridge Design Manual Section 303
- F. Superstructure

- 1. Remove existing Superstructure and provide new Superstructure including Reinforced Composite Concrete Bridge Deck, Beams, etc.
- 2. The new Beams will meet the following requirements
 - a. Concrete Box Beams will not be permitted
 - b. Un-Coated Weathering Steel will not be permitted
 - c. If Structural Steel is provided it will be painted according to CMS 514
 - d. If Prestressed Concrete I-Beams are provided seal as per the Bridge Design Manual using Epoxy-Urethane Sealer.

3. Proposed Railing

- a. The outside railing will be SBR-1-20, 42" Single Slope Concrete Bridge Railing with one 3" conduit in each run of the railing (structure grounding will be required). This conduit shall not be used for lighting circuits.
- b. The median railing will be SBR-2-20, 57" Single Slope Concrete Median Bridge Railing with two empty 4" multicell conduit for future ITS in addition to conduits required for Lighting Circuits (structure grounding will be required)
- 4. Perform calculations (as per the Bridge Design Manual and the Location and Design Manual) to determine if Scuppers are required and provide if required.
- 5. Stay in Place forms will not be permitted

G. Substructure

- 1. Analyze the Substructure (Pier Columns and Pier Caps) with the required Loading and if required provide retrofits to meet the Loading Requirements.
- 2. Remove Existing Pier Bearings and replace with new Elastomeric Bearings
- 3. Inspect the concrete substructure, mark areas to be patched and perform the required patching. Payment for this item of work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- 4. Remove and replace the existing porous backfill and install new porous backfill with filter fabric and drainage pipe behind the abutment. Plug existing weep holes if they exist. The limits of the removal and replacement shall extend to 1'-0" below the removal limit of the abutment.
- 5. Abutments
 - a. Convert the existing abutments to Semi-Integral Abutments including Elastomeric Bearings.
 - b. Remove the existing backwall and abutment to a point at least 1'-0" below the existing Beam Seat.
- 6. Concrete Slope Protection damaged during construction will be replaced at the expense of the DBT.
- H. Provide details for and construct new full width approach slabs (25'-0" long). Provide for parapet transition on the Approach Slab. Provide the appropriate Approach Slab Installation as per Standard Drawing AS-2-15. An asphalt wearing course on the Approach Slab will not be permitted.
- I. Concrete Sealing
 - 1. Superstructure: Seal as per the Bridge Design Manual using Epoxy-Urethane Sealer
 - 2. Substructure: Remove existing sealer (if present) and Seal all exposed concrete surfaces except for the tops of the Pier Caps using Epoxy-Urethane Sealer
- J. The Asbestos Inspection Report prepared by Lawhon & Associates (dated 11/28/2018) is Attachment M of the Scope of Services. The DBT will include all appropriate notes and address Asbestos Containing Material if present.
- K. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]

15 Design and Construction Requirements of Structure: SUM-76-0954 [Over Bowery St & Ohio Canal, Structure File Number 7703457]

in addition to the Governing Regulations listed in section 8.1 of the Scope of Services:

Existing	Structure Da	ita:	425.80'±									
	Length:	•										_
	Width o/o:		Varies HS20									_
	•	Design Loading:		C	+: C+-	al Da	D -	- : C	- J C-		Daal. C	_
	Type:		Six Span Continuous Steel Beam with Reinforced Concrete Deck & Substructure									
	Spans:		43'-0"± 61'-0"± 3 @ 85'-6"± 60'-0"±									
	Date Built:		1964± / Rehabilitated 1983									
Alignme	ent & Profile:											
J	Alignment:		Existing		Relocated		By ODOT	\boxtimes	By DB	Γ		
	Profile:		Existing		Relocated		Feathered By ODOT	(Adjust ⊠	tment) By DB			
Transve	erse Sections:											
	Roadway						(8'-2 ½" Ins	ide Sho	oulder,	3 x 12'	-0"	
	Width:		Lanes, 10'	·0" Oı	utside Should	der)						
			Area, 2 x 1	2'-0"	Lanes, 10'-0	o" Out	lder, 3 x 12' side Shoulder Lane Line Loo	r(Propo	osed La			
	Railing:	-	Type: SE	3R-1-2	20 (Outside) 20 (Median) (Hei		42" (O		
	Fence:						figuration:	N/A	•	C (.,	<u></u>	_
	Sidewalks:		_		lo Width:		5	N/A				_
Investig	ate the need	for P	refabricate	ed Str	ructure:	Yes	⊠ No					
Investig	ate the need	for R	etaining W	alls:	☐ Yes 🗵] No						
	tion exploration formation is re									nt P. If	additiona	ıl

All Shop Drawings will comply with Item 501.

- A. The Structure Type Study prepared by EL Robinson Engineering (dated 08/2019) is provided as Attachment I of the Scope of Services. The Structure Type Study is provided for reference only.
- B. Remove and replace the existing bridge superstructure (bridge deck, beams, bearings, etc.) and Abutments.
- C. Vertical Clearance
 - 1. The existing vertical clearance over Bowery Street, Ohio Erie Canal and the Ohio Erie Canal Towpath shall not be reduced.
 - 2. The existing vertical clearance is 15'-1"± over Bowery Street (measurements were taken by ODOT D04 and are provided in Attachment J), DBT must verify this prior to starting construction beginning.

- 3. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements (Bowery Street, Ohio Erie Canal and the Ohio Erie Canal Towpath) will be taken by the DBT. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]
- D. Perform Structure Load Rating as per the Bridge Design Manual Section 900
- E. Structure Loading Requirement shall follow the Bridge Design Manual Section 303
- F. Superstructure
 - 1. Remove existing Superstructure and provide new Superstructure including Reinforced Composite Concrete Bridge Deck, Beams, etc.
 - 2. The new Beams will meet the following requirements
 - a. Concrete Box Beams will not be permitted
 - b. Un-Coated Weathering Steel will not be permitted
 - c. If Structural Steel is provided it will be painted according to CMS 514
 - d. If Prestressed Concrete I-Beams are provided seal as per the Bridge Design Manual using Epoxy-Urethane Sealer.
 - 3. Proposed Railing
 - a. The outside railing will be SBR-1-20, 42" Single Slope Concrete Bridge Railing with one 3" conduit in each run of the railing (structure grounding will be required). This conduit shall not be used for lighting circuits.
 - b. The median railing will be SBR-2-20, 57" Single Slope Concrete Median Bridge Railing with two empty 4" multicell conduit for future ITS in addition to conduits required for Lighting Circuits (structure grounding will be required)
 - 4. Perform calculations (as per the Bridge Design Manual and the Location and Design Manual) to determine if Scuppers are required and provide if required.
 - 5. Stay in Place forms will not be permitted

G. Substructure

- 1. Pier Columns and Caps
 - a. The existing Piers shall not be replaced
 - b. Analyze the Substructure (Pier Columns and Pier Caps) with the required Loading and if required provide retrofits to meet the Loading Requirements.
 - c. Remove Existing Pier Bearings and replace with new Elastomeric Bearings
- 2. Inspect the concrete substructure, mark areas to be patched and perform the required patching. Payment for this item of work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- 3. Abutments
 - a. Remove and replace the existing abutments at the same location as the existing abutments
 - b. Foundation for the abutments will be a deep foundation
 - c. The new abutments shall be Semi-Integral
 - d. Remove and replace the existing porous backfill and install new porous backfill with filter fabric and drainage pipe behind the abutment. The new porous backfill shall extend from the top of the footing to the bottom of the aggregate under the approach slab.
- 4. Concrete Slope Protection
 - a. The Project Engineer will identify broken Concrete Slope Protection to be replaced prior to construction activities to be replaced. Payment for this item of work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - b. Concrete Slope Protection damaged during construction will be replaced at the expense of the DBT.
- H. Provide details for and construct new full width approach slabs (25'-0" long). Provide for parapet transition on the Approach Slab. Provide the appropriate Approach Slab Installation as per Standard Drawing AS-2-15. An asphalt wearing course on the Approach Slab will not be permitted.

- I. Concrete Sealing
 - 1. Superstructure: Seal as per the Bridge Design Manual using Epoxy-Urethane Sealer
 - 2. Substructure: Remove existing sealer (if present) and Seal all exposed concrete surfaces except for the tops of the Pier Caps using Epoxy-Urethane Sealer
- J. The Asbestos Inspection Report prepared by Lawhon & Associates (dated 11/28/2018) is Attachment M of the Scope of Services. The DBT will include all appropriate notes and address Asbestos Containing Material if present.
- K. The DBT will develop, submit for approval and implement a plan to protect and not impact the adjacent structure (IR-76 EB / IR-77 SB to SR-59 NB, SUM-59-0007R, SFN 7701799)
- L. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]
- M. The Structure is located within a FEMA Floodplain, therefore the waterway opening shall not be reduced and fill shall not be placed or removed within the Floodplain.

16 Design and Construction Requirements of Structure: SUM-76-0964 [Over Lakeshore Blvd CR600, Structure File Number 7703392]

in addition to the Governing Regulations listed in section 8.1 of the Scope of Services:

Existing Structure Data:										
Length:	172.50'±									
Width o/o:	118'-4"±									
Design Loading:	CF2000(57)									
Type:	Three Span Continuous Steel Beam with R	einforced Co	oncrete Deck &							
	Substructure									
Spans:	49'-0"± 70'-0"± 49'-0"±									
Date Built:	1964±									
Although G. Boottlee										
Alignment & Profile: Alignment:	Existing Relocated By ODOT	⊠ By DB	Г							
Profile:	Existing Relocated Feathered By ODOT	(Adjustment) ⊠ By DB								
Transverse Sections:										
Roadway	Each Direction \rightarrow 55'-8 7/8" t/t barrier (8'-2 $\frac{1}{2}$	" Inside Shoul	.der, 3 x 12'-0"							
Width:	Lanes, 11'-5 15/16" Outside Shoulder)									
Railing:	Type: SBR-1-20 (Outside) SBR-2-20 (Median) (1" Gap)	Height:	42" (Outside) 57" (Median)							
Fence:	Yes No Height / Configuration:	N/A								
Sidewalks:	☐ Yes ☒ No Width:	N/A								
Investigate the need for P	Prefabricated Structure: Yes No									
Investigate the need for R	Retaining Walls: Yes No									
Foundation exploration in	formation, performed by DLZ Ohio, is provided	in Attachme	nt P. If additional							

field information is required the DBT will be responsible for collecting the data.

All Shop Drawings will comply with Item 501.

- A. The Structure Type Study prepared by EL Robinson Engineering (dated 08/2019) is provided as Attachment I of the Scope of Services. The Structure Type Study is provided for reference only.
- B. Remove and replace the existing bridge superstructure (bridge deck, beams, bearings, etc.) and Abutments.
- C. Vertical Clearance
 - 1. The minimum acceptable vertical clearance shall be the existing vertical clearance.
 - 2. The existing vertical clearance is 16'-8" ± (measurements were taken by ODOT D04 and are provided in Attachment J), DBT must verify this prior to starting construction beginning.
 - 3. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken by the DBT. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]
- D. Perform Structure Load Rating as per the Bridge Design Manual Section 900

- E. Structure Loading Requirement shall follow the Bridge Design Manual Section 303
- F. Superstructure
 - 1. Remove existing Superstructure and provide new Superstructure including Reinforced Composite Concrete Bridge Deck, Beams, etc.
 - 2. The new Beams will meet the following requirements
 - a. Concrete Box Beams will not be permitted
 - b. Un-Coated Weathering Steel will not be permitted
 - c. If Structural Steel is provided it will be painted according to CMS 514
 - d. If Prestressed Concrete I-Beams are provided seal as per the Bridge Design Manual using Epoxy-Urethane Sealer.
 - 3. Proposed Railing
 - a. The outside railing will be SBR-1-20, 42" Single Slope Concrete Bridge Railing with one 3" conduit in each run of the railing (structure grounding will be required). This conduit shall not be used for lighting circuits.
 - b. The median railing will be SBR-2-20, 57" Single Slope Concrete Median Bridge Railing with two empty 4" multicell conduit for future ITS in addition to conduits required for Lighting Circuits (structure grounding will be required)
 - 4. Perform calculations (as per the Bridge Design Manual and the Location and Design Manual) to determine if Scuppers are required and provide if required.
 - 5. Stay in Place forms will not be permitted
- G. Substructure
 - 1. Pier Columns and Caps
 - a. Analyze the Substructure (Pier Columns and Pier Caps) with the required Loading and if required provide retrofits to meet the Loading Requirements.
 - b. Remove Existing Pier Bearings and replace with new Elastomeric Bearings
 - 2. Inspect the concrete substructure, mark areas to be patched and perform the required patching. Payment for this item of work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 3. Abutments
 - a. Remove and replace the existing abutments at the same location as the existing abutments
 - b. Foundation for the abutments will be a deep foundation
 - c. The new abutments shall be Integral
 - d. Remove and replace the existing porous backfill and install new porous backfill with filter fabric and drainage pipe behind the abutment. The new porous backfill shall extend from the top of the footing to the bottom of the aggregate under the approach slab.
 - 4. Concrete Slope Protection
 - a. The Project Engineer will identify broken Concrete Slope Protection to be replaced prior to construction activities to be replaced. Payment for this item of work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - b. Concrete Slope Protection damaged during construction will be replaced at the expense of the DBT.
- H. Provide details for and construct new full width approach slabs (25'-0" long). Provide for parapet transition on the Approach Slab. Provide the appropriate Approach Slab Installation as per Standard Drawing AS-2-15. An asphalt wearing course on the Approach Slab will not be permitted.
- I. Concrete Sealing
 - 1. Superstructure: Seal as per the Bridge Design Manual using Epoxy-Urethane Sealer
 - 2. Substructure: Remove existing sealer (if present) and Seal all exposed concrete surfaces except for the tops of the Pier Caps using Epoxy-Urethane Sealer
- J. The Asbestos Inspection Report prepared by Lawhon & Associates (dated 11/28/2018) is Attachment M of the Scope of Services. The DBT will include all appropriate notes and address Asbestos Containing Material if present.

- K. The DBT will develop, submit for approval and implement a plan to protect and not impact the adjacent structures (IR-76 EB / IR-77 SB to SR-59 NB, SUM-59-0007R, SFN 7701799 & SR-59 SB to IR-76 WB / IR-77 NB, SUM-59-0019L, SFN 7701802)
- L. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]

17 Design and Construction Requirements of Structure: SUM-76-0994 [Under Princeton St, Structure File Number 7703368]

in addition to the Governing Regulations listed in section 8.1 of the Scope of Services:

Existing Structure Data:	
Length:	156.12' ±
Width o/o:	62'-4"±
Design Loading:	HS20
Type:	Two Span Continuous Steel Beam with Reinforced Concrete Deck &
_	Substructure
Spans:	75'-6" ± 75'-6"±
Date Built:	1964± / Rehabilitated 1989
Alignment & Profile:	
Alignment: 🖂	Existing Relocated By ODOT By DBT
Profile: 🔀	Existing Relocated Feathered (Adjustment) By ODOT By DBT
Investigate the need for Pi	refabricated Structure: 🗌 Yes 🔀 No
Investigate the need for Re	etaining Walls: 🗌 Yes 🔀 No
The Department will NOT be responsible for collection	provide foundation investigation. If field information is required the DBT will \log the data.
All Char Danish as will ass	

All **Shop Drawings** will comply with Item 501.

- A. Concrete Sealing
 - 1. Bridge Deck: Seal with Gravity Fed Resin
 - 2. Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design Manual using Non-Epoxy Sealer on the sidewalk and Epoxy-Urethane Sealer on the remainder.
 - 3. Substructure: Remove existing sealer (if present) and Seal all exposed concrete surfaces except for the tops of the Pier Caps using Epoxy-Urethane Sealer
- B. Superstructure
 - 1. Remove Spalls and Delamination over Safety Sensitive Areas (Pavement, Shoulders, Sidewalks, etc.) from the Floor (bottom of Bridge Deck), do not patch these areas. Apply Epoxy-Urethane Sealer to the areas of the removals [Refer to Attachment F for Plan Note]. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 2. Remove all dirt and debris from the Beam Seats, Drainage Systems (if present), and Bridge Joints as per Plan Insert Sheet BC
 - 3. Paint Structure Steel according to CMS 514
 - 4. Repair Paint the existing sidewalk joint armor as per CMS 514.22.
 - 5. Inspect Bridge Deck, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 6. Remove and replace the Expansion Joint Strip Seals at the Forward and Rear Approach
 - 7. Refurbish all Bearings (per Bridge Design Manual Note 610.4-1) at the Rear and Forward Abutments
 - 8. Remove the existing Vandal Protection Fence and install new Vandal Protection Fence as per Scope Attachment H.

9. Widen the existing sidewalk (to the inside) on both sides of the Structure by 5'-0"and extend the widened sidewalk to the adjacent street with the same centerline offset (both north and south of the bridge), install new Curb Ramps as per BP-7.1 meeting all ADA Requirements, including any and all items necessary to complete this work.

C. Substructure

- 1. Inspect substructure, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- D. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]
- E. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]
- F. Existing Light Pole mounted on Structure
 - 1. Replace the Luminaire with an LED Luminaire
 - 2. Paint the Light Pole using the Repair Painting Procedure according to CMS 514.22. The final color shall be Federal Color No. 27038.

18 Design and Construction Requirements of Structure: SUM-76-1035N [Under Main St CR50, Structure File Number 7703317]

in addition to the Governing Regulations listed in section 8.1 of the Scope of Services:

Existing	Structure Da	ıta:								
	Length:	_	167.33' ±							
,	Width o/o:	_	Varies							
	Design Loadin	g: _	HL93							
	Type:	_		ın Plat	te Girder w	ith Reir	nforced Cond	crete D	Peck & Substructure	
	Spans:	_	165'-2" ±							
	Date Built:	_	2018±							
Alignme	ent & Profile:									
_	Alignment:	\boxtimes	Existing		Relocated		By ODOT	\boxtimes	By DBT	
	Profile:		Existing		Relocated		Feathered By ODOT	(Adjus	stment) By DBT	
Investiga	ate the need 1	for Pr	efabricate	ed Str	ucture: [] Yes	⊠ No			
Investiga	ate the need 1	for R e	etaining W	alls:	☐ Yes [☑ No				
	artment will I onsible for col				on investig	ation.	If field infor	matior	n is required the DBT will	
All Shop	Drawings wi	ll con	nply with If	tem 5	01.					
	al Descriptior A. Concrete 1. Bridge	Seali	ng		nd Special P uble Reacti					
	B. Remove e	xistir	ng Structur	e Ider	ntification S	igns (if	present) an		all new Structure ent F for Plan Note]	
	C. Prior to the	ne sta	art of const	tructio	on and at th	ne com	oletion of co	nstruc	tion Vertical Clearance	

Measurements will be taken. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan

Note]

19 Design and Construction Requirements of Structure: SUM-76-1042N [Over Broadway, Sweitzer & CSXT, Structure File Number 7703252]

Existing Structure Data:	
Length:	215.43' ±
Width o/o:	Varies
Design Loading:	HL93
Type:	Three Span Continuous Steel Beam with Reinforced Concrete Deck &
. , p = .	Substructure
Spans:	64'-0" ± 80'-0"± 81'-81/4"±
Date Built:	2018±
Date Buitt.	20101
Alignment & Drofile.	
Alignment & Profile:	Cuisting Delegated D. Du ODOT M. Du DDT
Alignment:	Existing Relocated By ODOT By DBT
Drofile:	Evisting Delegated Description (Adjustment)
Profile:	Existing Relocated Feathered (Adjustment)
	☐ By ODOT ⊠ By DBT
Investigate the need for P	refabricated Structure: 🗌 Yes 🛛 No
Investigate the need for R	letaining Walls: 🗌 Yes 🛛 No
	provide foundation investigation. If field information is required the DBT will
be responsible for collecti	ng the data.
All Shop Drawings will co	mply with Item 501.
Additional Description of I	Required Work and Special Provisions:
A. Concrete Seal	ing
	-

- 1. Bridge Deck: Seal with Soluble Reactive Silicate (SRS)
- B. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]
- C. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]. Do not take measurements over the Railroad Tracks.

20 Design and Construction Requirements of Structure: SUM-76-1043 [On Ramp Over CSXT & Sweitzer Ave to 76 EB, Structure File Number 7703163]

Existing	g Structure Da	ata:									
	Length:	_	247.10' ±								
	Width o/o:	_	33'-4"±								
	Design Loadir	ng:	HS20								
	Type:	_	Three Span Continuous Steel Beam with Reinforced Concrete Deck &								
			Substructi	ıre							
	Spans:	-	67'-0" ± -	91'	-6"± 86'-4	1 5/16	"±				
	Date Built:	-	2018±								
	2410 241111	-									
Δlignm	ent & Profile:										
Augilii	Alignment:	\boxtimes	Existing		Relocated		By ODOT	\boxtimes	By DBT		
	Profile:	\boxtimes	Existing		Relocated		Feathered By ODOT	(Adjus	tment) By DBT		
Investig	gate the need	for Pr	efabricate	ed Str	ucture:	Yes	⊠ No				
Investig	gate the need	for R e	etaining W	alls:	☐ Yes 🗵	No					
	partment will onsible for co				on investigat	tion. I	f field infor	mation	n is required th	ne DBT will	
All Sho	p Drawings wi	ill con	nply with I	tem 5	01.						
Additio	nal Description A. Concrete			ork ar	nd Special Pr	ovisior	is:				

- 1. Bridge Deck: Seal with Soluble Reactive Silicate (SRS)
- B. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]
- C. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]. Do not take measurements over the Railroad Tracks.

21 Design and Construction Requirements of Structure: SUM-76-1044 [76 WB Off Ramp over CSXT & Sweitzer Ave to Main St, Structure File Number 7703287]

Existing Structure Data:	
Length:	209.77' ±
Width o/o:	45'-4"±
Design Loading:	HL93
Type:	Three Span Continuous Steel Beam with Reinforced Concrete Deck &
21	Substructure
Spans:	62'-3 9/16" ± 77'-10 7/16"± 67'-5 9/16"±
Date Built:	2018±
Alignment & Profile:	
Alignment:	Existing Relocated By ODOT By DBT
Profile:	Existing Relocated Feathered (Adjustment)
	☐ By ODOT ⊠ By DBT
Investigate the need for P	refabricated Structure: 🗌 Yes 🛛 No
Land Carta than a life in	o takka wallon Divin Mal
Investigate the need for R	etaining Walls: 🗌 Yes 🛛 No
The Department will NOT	provide foundation investigation. If field information is required the DPT will
be responsible for collecti	provide foundation investigation. If field information is required the DBT will
be responsible for collecti	ng the data.
All Shop Drawings will co	mply with Item 501.
Additional Description of I A. Concrete Seal	Required Work and Special Provisions:
	ck: Seal with Soluble Reactive Silicate (SRS)

- Bridge Deck: Seal with Soluble Reactive Silicate (SRS)
- B. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]
- C. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]. Do not take measurements over the Railroad Tracks.

22 Design and Construction Requirements of Structure: SUM-76-1048N [76 WB off Ramp over W5, Sweitzer & CSXT to S Broadway St, Structure File Number 7703597]

Existing	g Structure Da	ata:									
	Length:		330.29' ±								
	Width o/o:	_	55'-7"±								
	Design Loadir	ng:	HL93								
	Type:	_	Three Span Continuous Plate Girder with Reinforced Concrete Deck &								
	,,		Substructi								
	Spans:	-	96'-1 7/8'	, ±	101'-10 5/8	"±	114'-11"±				
	Date Built:	-	2018±								
	Date Barter	-	20.02								
Alianm	ent & Profile:										
Augilii	Alignment:	\boxtimes	Existing		Relocated		By ODOT		By DBT		
	Profile:	\boxtimes	Existing		Relocated		Feathered By ODOT	(Adjus	stment) By DBT		
Investig	gate the need	for P ı	efabricate	d Str	ucture:	Yes	⊠ No				
Investig	gate the need	for R e	etaining W	alls:	☐ Yes 🗵	No					
	partment will onsible for co				ion investiga	tion. I	f field infor	mation	n is required t	he DBT will	
All Sho	p Drawings wi	ill con	nply with It	tem 5	01.						
Additio	nal Description A. Concrete			ork ar	nd Special Pr	ovisior	is:				

- 1. Bridge Deck: Seal with Soluble Reactive Silicate (SRS)
- B. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]
- C. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]. Do not take measurements over the Railroad Tracks.

23 Design and Construction Requirements of Structure: SUM-76-1077N [Under Wolf Ledges CR648, Structure File Number 7703139]

Existin	g Structure Da	ata:											
	Length:		261.04' ±										
	Width o/o:	-	51'-0"±										
	Design Loadir	ng:	HL93										
	Type:	_	Two Spar	Two Span Continuous Steel Beam with Reinforced Concrete Deck &									
			Substructi										
	Spans:	-	111'-6" ±	14	17'-1"±								
	Date Built:	_	2018±										
∆liønm	ent & Profile:												
A5	Alignment:	\boxtimes	Existing		Relocated		By ODOT	\boxtimes	By DBT				
	Profile:		Existing		Relocated		Feathered By ODOT	(Adjus	stment) By DBT				
Investi	gate the need	for P ı	efabricate	ed Str	ucture:	Yes	⊠ No						
Investi	gate the need	for R e	etaining W	alls:	☐ Yes 🗵] No							
	partment will onsible for co				ion investiga	tion.	If field infor	mation	n is required	the DBT	will		
All Sho	p Drawings wi	ill con	nply with I	tem 5	01.								
Additio	nal Description A. Concrete		•	ork aı	nd Special Pr	ovisio	ns:						

- - 1. Bridge Deck: Seal with Soluble Reactive Silicate (SRS)
- B. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]
- C. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]

24 Design and Construction Requirements of Structure: SUM-76-1085 [Under Grant St, Structure File Number 7703104]

Existin	g Structure Da	ata:										
	Length:		187.59' ±									
	Width o/o:	•	51'-0"±									
	Design Loadir	ng:	HL93									
	Type:		Two Spar	wo Span Continuous Steel Beam with Reinforced Concrete Deck &								
			Substructi	ure								
	Spans:	•	91'-2" ± -	94'	-5"±							
	Date Built:	•	2018±									
		-										
Alignm	ent & Profile:											
	Alignment:	\boxtimes	Existing		Relocated		By ODOT	\boxtimes	By DBT			
	Profile:	\boxtimes	Existing		Relocated		Feathered		tment)			
							By ODOT	\boxtimes	By DBT			
Investi	gate the need	for P	refabricate	ed Str	ucture: 🗌	Yes	⊠ No					
						_						
Investi	gate the need	for R	etaining W	alls:	☐ Yes 🖂	No						
	partment will				ion investiga	tion.	If field infor	mation	is required t	the DBT	Will	
be resp	onsible for co	llecti	ng the data	ì.								
All Cha	n Drawings wi	ال حمد	الطفيد بدامم	+ a m = E	01							
All Sho	p Drawings wi	ill Coi	lipty with i	tem 5	01.							
۸dditia	nal Descriptio	n of E	Paguired W	ork si	nd Special Br	ovicio	nc:					
Additio	A. Concrete		•	ui k ai	iu special Pi	041210	113.					

- - 1. Bridge Deck: Seal with Soluble Reactive Silicate (SRS)
- B. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]
- C. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]

25 Design and Construction Requirements of Structure: SUM-76-1102 [Under Ped Bridge, Structure File Number 7705891]

in addition to the Governing Regulations listed in section 8.1 of the Scope of Services:

Existing Structure Data:									
Length:	_ 171'-1 ¼" ±								
Width o/o:	9'-6"±								
Design Loading:	85 PSF								
Type:	Two Span Continuous Steel Beam with Reinforced Concrete Deck &								
	Substructure								
Spans:	84'-10 ½" ± 84'-10 ½"±								
Date Built:	1964± / Rehabilitated 1983±, 2005±								
Alignment & Profile:									
Alignment: $oxed{igthigs}$	Existing 🗌 Relocated 🗌 By ODOT 🛛 By DBT								
Profile: 🖂	Existing Relocated Feathered (Adjustment) By ODOT By DBT								
Investigate the need for F	Prefabricated Structure: Yes No								
Investigate the need for I	Retaining Walls: 🗌 Yes 🔀 No								
The Department will NOT be responsible for collect	provide foundation investigation. If field information is required the DBT willing the data.								
All Shop Drawings will co	mply with Item 501.								

- A. Concrete Sealing
 - 1. Bridge Deck and Approaches: Seal with Gravity Fed Resin
 - 2. Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design Manual using Epoxy-Urethane Sealer
 - 3. Substructure: Remove existing sealer (if present) and Seal all exposed concrete surfaces except for the tops of the Pier Caps using Epoxy-Urethane Sealer
- B. Superstructure
 - 1. Remove Spalls and Delamination over Safety Sensitive Areas (Pavement, Shoulders, Sidewalks, etc.) from the Floor (bottom of Bridge Deck), do not patch these areas. Apply Epoxy-Urethane Sealer to the areas of the removals [Refer to Attachment F for Plan Note]. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 2. Remove all dirt and debris from the Beam Seats, Drainage Systems (if present), and Bridge Joints as per Plan Insert Sheet BC
 - 3. Paint Structure Steel according to CMS 514
 - 4. Inspect Bridge Deck, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 5. Remove the existing Vandal Protection Fence and install new Vandal Protection Fence as per Standard Drawing VPF-1-90 (Curved Fence) with the top of the fence being a minimum of 12'-0" high above bridge deck. The color of the Fence Fabric, Rails, Posts, Plates, Tie Wires, Nuts, Bolts, Caulk, and any other visual hardware will be coated Black (Federal Color No. 27038)
- C. Substructure

- 1. Inspect substructure, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- D. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]
- E. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]

26 Design and Construction Requirements of Structure: SUM-76-1151L [76WB Over 77NB & 8, Structure File Number 7706006]

in addition to the Governing Regulations listed in section 8.1 of the Scope of Services:

Existin	g Structure Da	ata:													
	Length:		354.42' ±												
	Width o/o:	-	Varies												
	Design Loadir	ng:	HS20												
	Type:	-	Four Spa	n Co	ntinuous Ste	el Gi	rder with F	Reinfor	ced Concrete	Deck &					
		_	Substruct	bstructure											
	Spans:	-	84'-2 ¾"	± ′	104'-4 13/16'	'± '	96'-1 11/16'	"± 6	3'-8 ½"±						
	Date Built:	1964± / Rehabilitated 1990													
		-													
Alignm	ent & Profile:														
	Alignment:	\boxtimes	Existing		Relocated		By ODOT	\boxtimes	By DBT						
	Profile:	\boxtimes	Existing		Relocated		Feathered	` -	,						
							By ODOT	\boxtimes	By DBT						
Investi	gate the need	for P	refabricate	ed Str	ucture: 🗌	Yes	⊠ No								
Investi	gate the need	for R	etaining W	alls:	∐ Yes ⊠	No									
TI 5		мот					16.61.11.6								
	partment will		•		ion investiga	tion.	If field infor	matior	is required t	ne DBT Will					
be resp	onsible for co	llectii	ng the data	a.											
All Cha	n Drawings wi	ill con	naly with I	tom 5	:01										
All 3110	p Drawings wi	itt COI	lipty with I	tem 3	01.										

- A. Concrete Sealing
 - 1. Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design Manual using Epoxy-Urethane Sealer
 - 2. Substructure: Remove existing sealer (if present) and Seal all exposed concrete surfaces except for the tops of the Pier Caps using Epoxy-Urethane Sealer
- B. Superstructure
 - Remove Spalls and Delamination over Safety Sensitive Areas (Pavement, Shoulders, Sidewalks, etc.) from the Floor (bottom of Bridge Deck), do not patch these areas. Apply Epoxy-Urethane Sealer to the areas of the removals [Refer to Attachment F for Plan Note]. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 2. Remove Asphalt from Bridge Deck and Approach Slabs and replace with a new Micro-Silica Concrete Overlay matching the original Deck Elevation per Supplemental Specification 848 [Refer to Attachment F for Plan Note]. Payment for Hand Chipping, Full Depth Repair and Variable Thickness (Material Only) will be made on a unit cost basis and an estimated quantity has been provided in the Proposal. The Micro-Silica Concrete Overlay is to be installed prior to the installation of the Barrier being installed on this Structure as detailed in Attachment K to the Scope of Services. The limits of the removal of the asphalt overlay and the limits of the new MSC overlay in Attachment K are incorrect, this work shall be performed for the entire existing bridge deck and approach slabs.
 - 3. Perform the work shown in Attachment K to the Scope of Services
 - 4. Remove all dirt and debris from the Beam Seats, Drainage Systems (if present), and Bridge Joints as per Plan Insert Sheet BC
 - 5. Paint Structure Steel according to CMS 514

- 6. Remove and replace the Expansion Joint Strip Seals at the Forward and Rear Approach
- 7. Refurbish all Bearings (per Bridge Design Manual Note 610.4-1) at the Rear and Forward Abutments
- C. Substructure
 - 1. Inspect substructure, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- D. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]
- E. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]

27 Design and Construction Requirements of Structure: SUM-76-1154R [76EB Over 77NB & 8, Structure File Number 7706030]

Existing	g Structure Da	ata:										
	Length:		466.98' ±									
	Width o/o:	-	Varies									
	Design Loadir	ng:	HS20									
	Type:		Five Spar	Five Span Continuous Steel Girder with Reinforced Concrete Deck &								
			Substructi	ıre								
	Spans:	-	86'-10 13 91'-0 1/8'		± 102'-9	5/8"±	71'-7 1	3/16"±	± 105'-3 15/	16"±		
Date Built: 1964± / Rehabilitated 1990												
		_										
Alignm	ent & Profile:											
	Alignment:	\boxtimes	Existing		Relocated		By ODOT	\boxtimes	By DBT			
	Profile:	\boxtimes	Existing		Relocated		Feathered	` -	tment)			
							By ODOT	\boxtimes	By DBT			
Investig	gate the need	for P	refabricate	ed Str	ucture: 🗌	Yes	⊠ No					
						_						
Investig	gate the need	for R e	etaining W	alls:	☐ Yes 🖂	No						
					ion investigat	tion. I	f field infor	mation	is required the	DBT will		
be resp	onsible for co	llectii	ng the data	١.								
All Cha	n Denvilana vi	:11	الطائش ديرا سم	E	04							
All SHO	p Drawings wi	iii cor	npty with i	tem 5	UI.							
۸dditio	nal Description	n of D	equired W	ork ar	nd Special Br	ovision	nc•					
Additio	nat bescription	יו טו וי	equired W	oin ai	id Special Fi	0 4 13 101	13.					

- A. Concrete Sealing
 - 1. Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design Manual using Epoxy-Urethane Sealer
 - 2. Substructure: Remove existing sealer (if present) and Seal all exposed concrete surfaces except for the tops of the Pier Caps using Epoxy-Urethane Sealer
- B. Superstructure
 - 1. Remove Spalls and Delamination over Safety Sensitive Areas (Pavement, Shoulders, Sidewalks, etc.) from the Floor (bottom of Bridge Deck), do not patch these areas. Apply Epoxy-Urethane Sealer to the areas of the removals [Refer to Attachment F for Plan Note]. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 2. Remove Asphalt from Bridge Deck and Approach Slabs and replace with a new Micro-Silica Concrete Overlay matching the original Deck Elevation per Supplemental Specification 848 [Refer to Attachment F for Plan Note]. Payment for Hand Chipping, Full Depth Repair and Variable Thickness (Material Only) will be made on a unit cost basis and an estimated quantity has been provided in the Proposal. The Micro-Silica Concrete Overlay is to be installed prior to the installation of the Barrier being installed on this Structure as detailed in Attachment K to the Scope of Services. The limits of the removal of the asphalt overlay and the limits of the new MSC overlay in Attachment K are incorrect, this work shall be performed for the entire existing bridge deck and approach slabs.
 - 3. Perform the work shown in Attachment K to the Scope of Services
 - 4. Remove all dirt and debris from the Beam Seats, Drainage Systems (if present), and Bridge Joints as per Plan Insert Sheet BC

- 5. Paint Structure Steel according to CMS 514
- 6. Remove and replace the Expansion Joint Strip Seals at the Forward and Rear Approach
- 7. Refurbish all Bearings (per Bridge Design Manual Note 610.4-1) at the Rear and Forward Abutments

C. Substructure

- 1. Inspect substructure, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- D. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]
- E. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]

28 Design and Construction Requirements of Structure: SUM-76-1179R [Over Inman St, Structure File Number 7706189]

Existing Structure D	ata:							
Length:		62.44' ±						
Width o/o:		68'-5"						
Design Loadii	ng:	HS20						
Type:		Single Sp	an Continuo	ous Steel F	Beam with	Reinfor	ced Concrete	Deck &
		Substruct	ure					
Spans:	•	57'-0 1/8	" ±					
Date Built:	-	1964± / R	ehabilitated	1979±, 199	2±			
Alignment & Profile:								
Alignment:		Existing	Reloc	ated 🗌	By ODOT	\boxtimes	By DBT	
Profile:		Existing	Reloc	ated 🗌	Feathered By ODOT	d (Adjus ⊠	tment) By DBT	
Investigate the need	for P	refabricate	ed Structure	e: Yes	⊠ No			
Investigate the need	for R	etaining W	alls: 🗌 Ye	s 🛭 No				
The Department will be responsible for co				estigation.	If field info	rmation	is required tl	ne DBT wil
All Shop Drawings w	ill cor	nply with I	tem 501.					
Additional Descriptio A. Concrete			ork and Spe	cial Provisio	ons:			
1. Bridg	ge Dec	ck and App	roaches: Sea	al with Grav	ity Fed Res	in		
2. Supe	rstruc	ture: Rem	ove existing	sealer (if p	resent) and	Seal as	per the Bridg	ge Design
Manu	ial usi	ing Epoxy-l	Jrethane Sea	ıler				

- 3. Substructure: Remove existing sealer (if present) and Seal all exposed concrete surfaces except for the tops of the Pier Caps using Epoxy-Urethane Sealer
- B. Superstructure
 - 1. Remove Spalls and Delamination over Safety Sensitive Areas (Pavement, Shoulders, Sidewalks, etc.) from the Floor (bottom of Bridge Deck), do not patch these areas. Apply Epoxy-Urethane Sealer to the areas of the removals [Refer to Attachment F for Plan Note]. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- C. Substructure
 - 1. Inspect substructure, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- D. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]
- E. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note1

29 Design and Construction Requirements of Structure: SUM-76-1200 [Under Ped Bridge, Structure File Number 7706219]

in addition to the Governing Regulations listed in section 8.1 of the Scope of Services:

Existing Structure Data:										
Length:	_206'-¼" ±									
Width o/o:	18'-2 ½"±									
Design Loading:	CF130									
Type:	Simple End Spans, Continuous Mid Spans - Steel Beam with Reinforced									
	Concrete Deck & Substructure									
Spans:	75'-0"± 77'-6"± 24'-0"± 24'-0"±									
Date Built:	1964± / Rehabilitated 2015±									
Alignment & Profile:										
Alignment: 🛛	Existing 🗌 Relocated 🔲 By ODOT 🔀 By DBT									
_										
Profile:	Existing Relocated Feathered (Adjustment)									
	☐ By ODOT ⊠ By DBT									
Investigate the need for	Prefabricated Structure: 🗌 Yes 🛛 No									
investigate the need for	Retaining Walls: Yes No									
The Department will NOT provide foundation investigation. If field information is required the DDT will										
The Department will NOT provide foundation investigation. If field information is required the DBT will be responsible for collecting the data.										
oc responsible for collect	ing the data.									

All **Shop Drawings** will comply with Item 501.

- A. Concrete Sealing
 - 1. Bridge Deck and Approaches: Seal with Gravity Fed Resin
 - 2. Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design Manual using Epoxy-Urethane Sealer
 - 3. Substructure: Remove existing sealer (if present) and Seal all exposed concrete surfaces except for the tops of the Pier Caps using Epoxy-Urethane Sealer
- B. Superstructure
 - 1. Remove Spalls and Delamination over Safety Sensitive Areas (Pavement, Shoulders, Sidewalks, etc.) from the Floor (bottom of Bridge Deck), do not patch these areas. Apply Epoxy-Urethane Sealer to the areas of the removals [Refer to Attachment F for Plan Note]. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 2. Remove all dirt and debris from the Beam Seats, Drainage Systems (if present), and Bridge Joints as per Plan Insert Sheet BC
 - 3. Paint Structure Steel according to CMS 514
 - 4. Inspect Bridge Deck, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 5. Remove the existing Vandal Protection Fence and install new Vandal Protection Fence as per Standard Drawing VPF-1-90 (Curved Fence) with the top of the fence being a minimum of 12'-0" high above bridge deck. The color of the Fence Fabric, Rails, Posts, Plates, Tie Wires, Nuts, Bolts, Caulk, and any other visual hardware will be coated Black (Federal Color No. 27038)
 - 6. Remove and dispose of the original handrail (located on the outside of the existing Vandal Protection Fence) along each edge of the bridge deck

- C. Substructure
 - 1. Inspect substructure, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- D. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]
- E. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]

30 Design and Construction Requirements of Structure: SUM-77-0974R [Over Waterloo Rd CR672, Structure File Number 7702736]

in addition to the Governing Regulations listed in section 8.1 of the Scope of Services:

Existing Structure Data:								
Length:	206.29' ±							
Width o/o:	Varies							
Design Loading:	HS20							
Type:	Three Span Continuous Steel Beam with Reinforced Concrete Deck &							
	Substructure							
Spans:	59'-3 ½" ± 84'-0 3/8"± 58'-3 9/16"±							
Date Built:	1964± / Rehabilitated 1990±							
Alignment & Profile:								
Alignment:	Existing Relocated By ODOT By DBT							
Profile:	Existing Relocated Feathered (Adjustment)							
	☐ By ODOT ⊠ By DBT							
Investigate the need for P	refabricated Structure: 🗌 Yes 🔀 No							
Investigate the need for R	etaining Walls: ☐ Yes							
The Department will NOT be responsible for collecti	provide foundation investigation. If field information is required the DBT willing the data.							
All Shop Drawings will co	mply with Item 501.							

All Shop Drawings will comply with item 501.

- A. Concrete Sealing
 - 1. Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design Manual using Epoxy-Urethane Sealer
 - 2. Substructure: Remove existing sealer (if present) and Seal all exposed concrete surfaces except for the tops of the Pier Caps using Epoxy-Urethane Sealer
- B. Superstructure
 - Remove Spalls and Delamination over Safety Sensitive Areas (Pavement, Shoulders, Sidewalks, etc.) from the Floor (bottom of Bridge Deck), do not patch these areas. Apply Epoxy-Urethane Sealer to the areas of the removals [Refer to Attachment F for Plan Note]. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 2. Remove and replace the Forward and Rear Approach Slabs (North & South Side of Structure).
 - a. The new Approach Slabs will be the full width and the same length as the existing. Provide the Parapet Transitions on the Approach Slabs (modifications to the existing Parapet on the Bridge maybe required).
 - b. Provide the appropriate Approach Slab Installation as per Standard Drawing AS-2-15. An asphalt wearing course on the Approach Slab will not be permitted.
 - 3. all a Micro-Silica Concrete Overlay matching the current existing Deck Elevation per Supplemental Specification 848 [Refer to Attachment F for Plan Note]. Payment for Hand Chipping, Full Depth Repair and Variable Thickness (Material Only) will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 4. Remove all dirt and debris from the Beam Seats, Drainage Systems (if present), and Bridge Joints as per Plan Insert Sheet BC
 - 5. Remove and replace the Expansion Joints at the Forward and Rear Abutments

- 6. Refurbish all Bearings (per Bridge Design Manual Note 610.4-1) at the Rear and Forward Abutments
- 7. Remove and replace all end Cross Frames at the Rear Abutment
- C. Substructure
 - 1. Inspect substructure, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- D. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]
- E. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]

31 Design and Construction Requirements of Structure: SUM-77-0975L [Over Waterloo Rd CR672, Structure File Number 7702701]

in addition to the Governing Regulations listed in section 8.1 of the Scope of Services:

Existing Structure Data:								
Length:	202.30'±							
Width o/o:	Varies							
Design Loading:	HS20							
Type:	Four Span Continuous Steel Beam with Reinforced Concrete Deck &							
	Substructure							
Spans:	57'-10 7/8" ± 82'-4 15/16"± 57'-4 15/16"±							
Date Built:	1964± / Rehabilitated 1990±							
Alignment & Profile: Alignment:	Existing Relocated By ODOT By DBT							
Profile:	Existing Relocated Feathered (Adjustment) By ODOT By DBT							
Investigate the need for Pr	refabricated Structure: 🗌 Yes 🔀 No							
Investigate the need for Re	etaining Walls: 🗌 Yes 🔀 No							
The Department will NOT p be responsible for collectin	provide foundation investigation. If field information is required the DBT willing the data.							
All Chan Drawings will som	anly with Itam E01							

All **Shop Drawings** will comply with Item 501.

- A. Concrete Sealing
 - 1. Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design Manual using Epoxy-Urethane Sealer
 - 2. Substructure: Remove existing sealer (if present) and Seal all exposed concrete surfaces except for the tops of the Pier Caps using Epoxy-Urethane Sealer
- B. Superstructure
 - Remove Spalls and Delamination over Safety Sensitive Areas (Pavement, Shoulders, Sidewalks, etc.) from the Floor (bottom of Bridge Deck), do not patch these areas. Apply Epoxy-Urethane Sealer to the areas of the removals [Refer to Attachment F for Plan Note]. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 2. Remove and replace the Forward and Rear Approach Slabs (North & South Side of Structure).
 - a. The new Approach Slabs will be the full width and the same length as the existing. Provide the Parapet Transitions on the Approach Slabs (modifications to the existing Parapet on the Bridge maybe required).
 - b. Provide the appropriate Approach Slab Installation as per Standard Drawing AS-2-15. An asphalt wearing course on the Approach Slab will not be permitted.
 - 3. Install a Micro-Silica Concrete Overlay matching the current existing Deck Elevation per Supplemental Specification 848 [Refer to Attachment F for Plan Note]. Payment for Hand Chipping, Full Depth Repair and Variable Thickness (Material Only) will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 4. Remove all dirt and debris from the Beam Seats, Drainage Systems (if present), and Bridge Joints as per Plan Insert Sheet BC
 - 5. Remove and replace the Expansion Joints at the Forward and Rear Abutments

- 6. Refurbish all Bearings (per Bridge Design Manual Note 610.4-1) at the Rear and Forward Abutments
- C. Substructure
 - 1. Inspect substructure, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- D. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]
- E. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]

32 Design and Construction Requirements of Structure: SUM-77-1022 [Under Catawba Ave, Structure File Number 7702760]

in addition to the Governing Regulations listed in section 8.1 of the Scope of Services:

Existing Structure Data:									
Length:	162.86'±								
Width o/o:	42'-8"±								
Design Loading:	HS20								
Type:	Two Span Continuous Steel Beam with Reinforced Concrete Deck &								
<u>.</u>	Substructure								
Spans:	78'-9" ± 78'-9"±								
Date Built:	1964± / Rehabilitated 1986±								
Alignment & Profile: Alignment:	Existing Relocated By ODOT By DBT								
_	Existing Relocated Feathered (Adjustment) By ODOT By DBT								
Investigate the need for Pre	efabricated Structure: 🗌 Yes 🔀 No								
Investigate the need for Re	taining Walls: Yes No								
The Department will NOT p be responsible for collecting	rovide foundation investigation. If field information is required the DBT will ${f g}$ the data.								
All Shop Drawings will com	ply with Item 501.								

- A. Concrete Sealing
 - 1. Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design Manual using Non-Epoxy Sealer on the sidewalk and Epoxy-Urethane Sealer on the remainder.
 - 2. Substructure: Remove existing sealer (if present) and Seal all exposed concrete surfaces except for the tops of the Pier Caps using Epoxy-Urethane Sealer
- B. Superstructure
 - 1. Remove Spalls and Delamination over Safety Sensitive Areas (Pavement, Shoulders, Sidewalks, etc.) from the Floor (bottom of Bridge Deck), do not patch these areas. Apply Epoxy-Urethane Sealer to the areas of the removals [Refer to Attachment F for Plan Note]. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 2. Remove the existing Vandal Protection Fence and install new Vandal Protection Fence as per Standard Drawing VPF-1-90 (Straight Fence) and Scope Attachment G. The color of the Fence Fabric, Rails, Posts, Plates, Tie Wires, Nuts, Bolts, Caulk, and any other visual hardware will be coated Black (Federal Color No. 27038)
- C. Substructure
 - 1. Inspect substructure, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- D. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]
- E. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer

within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]

33 Design and Construction Requirements of Structure: SUM-77-1082 [Over Firestone Blvd, Structure File Number 7702795]

in addition to the Governing Regulations listed in section 8.1 of the Scope of Services:

Existing Structure Data:								
Length:	156.76' ±							
Width o/o:	119'-0" ±							
Design Loading:	HS20							
Type:	Three Span Continuous Steel Beam with Reinforced Concrete Deck &							
	Substructure							
Spans:	44'-6" ± 63'-3"± 44'-6"±							
Date Built:	1964± / Rehabilitated 1989±							
Alignment & Profile: Alignment:	Existing Relocated By ODOT By DBT							
Profile:	Existing Relocated Feathered (Adjustment) By ODOT By DBT							
Investigate the need for F	Prefabricated Structure: Yes No							
Investigate the need for F	Retaining Walls: 🗌 Yes 🔀 No							
The Department will NOT be responsible for collect	provide foundation investigation. If field information is required the DBT willing the data.							
All Shop Drawings will co	mply with Item 501.							

- A. Concrete Sealing
 - 1. Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design Manual using Epoxy-Urethane Sealer
 - 2. Substructure: Remove existing sealer (if present) and Seal all exposed concrete surfaces except for the tops of the Pier Caps using Epoxy-Urethane Sealer
- B. Superstructure
 - Remove Spalls and Delamination over Safety Sensitive Areas (Pavement, Shoulders, Sidewalks, etc.) from the Floor (bottom of Bridge Deck), do not patch these areas. Apply Epoxy-Urethane Sealer to the areas of the removals [Refer to Attachment F for Plan Note]. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 2. Remove existing Concrete Overlay and existing Asphalt Overlay from Bridge Deck and Approach Slabs and replace with a new Micro-Silica Concrete Overlay matching the current elevation of existing Concrete Overlay the per Supplemental Specification 848 [Refer to Attachment F for Plan Note]. Payment for Hand Chipping, Full Depth Repair and Variable Thickness (Material Only) will be made on a unit cost basis and an estimated quantity has been provided in the Proposal. The overlay will be variable thickness to adjust the crown location on the bridge to align with the approach roadway.
 - 3. Remove and replace the Expansion Joint Strip Seals at the Forward and Rear Approach
- C. Substructure
 - 1. Inspect substructure, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.

- D. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]
 E. Prior to the start of construction and at the completion of construction Vertical Clearance
- E. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]

34 Design and Construction Requirements of Structure: SUM-77-1096 [Over Archwood Ave, Structure File Number 7702884]

in addition to the Governing Regulations listed in section 8.1 of the Scope of Services:

Existing Structure Data:								
Length:	157.08' ±							
Width o/o:	119'-0" ±							
Design Loading:	HS20							
Type:	Three Span Continuous Steel Beam with Reinforced Concrete Deck &							
	Substructure							
Spans:	44'-6" ± 63'-7"± 44'-6"±							
Date Built:	1964± / Rehabilitated 1989±							
Alignment & Profile: Alignment:	Existing Relocated By ODOT By DBT							
Profile:	Existing Relocated Feathered (Adjustment) By ODOT By DBT							
Investigate the need for F	Prefabricated Structure: ☐ Yes ⊠ No							
Investigate the need for F	Retaining Walls: 🗌 Yes 🔀 No							
The Department will NOT be responsible for collect	provide foundation investigation. If field information is required the DBT will ing the data.							
All Shop Drawings will co	mply with Item 501.							

- A. Concrete Sealing
 - 1. Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design Manual using Epoxy-Urethane Sealer
 - 2. Substructure: Remove existing sealer (if present) and Seal all exposed concrete surfaces except for the tops of the Pier Caps using Epoxy-Urethane Sealer
- B. Superstructure
 - 1. Remove Spalls and Delamination over Safety Sensitive Areas (Pavement, Shoulders, Sidewalks, etc.) from the Floor (bottom of Bridge Deck), do not patch these areas. Apply Epoxy-Urethane Sealer to the areas of the removals [Refer to Attachment F for Plan Note]. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 2. Remove existing Concrete Overlay and existing Asphalt Overlay from Bridge Deck and Approach Slabs and replace with a new Micro-Silica Concrete Overlay matching the current elevation of existing Concrete Overlay the per Supplemental Specification 848 [Refer to Attachment F for Plan Note]. Payment for Hand Chipping, Full Depth Repair and Variable Thickness (Material Only) will be made on a unit cost basis and an estimated quantity has been provided in the Proposal. The overlay will be variable thickness to adjust the crown location on the bridge to align with the approach
 - 3. Remove and replace the Expansion Joint Strip Seals at the Forward and Rear Approach
 - 4. Refurbish all Bearings (per Bridge Design Manual Note 610.4-1) at the Rear and Forward Abutments
- C. Substructure

- 1. Inspect substructure, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- D. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]
- E. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]

35 Design and Construction Requirements of Structure: SUM-77-1132 [Under Cole Ave, Structure File Number 7702825]

Existin	g Structure Da	ata:									
	Length:		158.00' ±								
	Width o/o:		60'-8"±								
	Design Loadir	ng:	CF400(57)								
	Type:	•	Two Span Continuous Rolled Beam with Reinforced Concrete Deck &								
			Substructi								
	Spans:	•	73'-6"±	- 73'-	6"±						
	Date Built:	•	1964±								
		-									
Alignm	ent & Profile:										
	Alignment:	\boxtimes	Existing		Relocated		By ODOT	\boxtimes	By DBT		
	Profile:	\boxtimes	Existing		Relocated		Feathered By ODOT	` -	stment) By DBT		
Investi	gate the need	for P	refabricate	ed Str	ucture:] Yes	⊠ No				
Investi	gate the need	for R	etaining W	alls:	☐ Yes □	☑ No					
	partment will onsible for co				ion investiga	ation.	If field info	rmatior	n is require	d the D	BT will
All Sho	p Drawings wi	ill cor	mply with I	tem 5	01.						
	nal Description		•	ork aı	nd Special P	rovisio	ons:				

- Concrete Sealing
 - 1. Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design Manual using Non-Epoxy Sealer on the sidewalk and Epoxy-Urethane Sealer on the remainder.
 - 2. Substructure: Remove existing sealer (if present) and Seal all exposed concrete surfaces except for the tops of the Pier Caps using Epoxy-Urethane Sealer
- B. Superstructure
 - 1. Remove Spalls and Delamination over Safety Sensitive Areas (Pavement, Shoulders, Sidewalks, etc.) from the Floor (bottom of Bridge Deck), do not patch these areas. Apply Epoxy-Urethane Sealer to the areas of the removals [Refer to Attachment F for Plan Note]. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 2. Remove the existing Vandal Protection Fence and install new Vandal Protection Fence as per Standard Drawing VPF-1-90 (Straight Fence) and Scope Attachment G. The color of the Fence Fabric, Rails, Posts, Plates, Tie Wires, Nuts, Bolts, Caulk, and any other visual hardware will be coated Black (Federal Color No. 27038)
 - 3. Remove all dirt and debris from the Beam Seats, Drainage Systems (if present), and Bridge Joints as per Plan Insert Sheet BC
 - 4. Inspect Bridge Deck, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 5.4. Remove existing Cathodic Protection System, this includes disconnecting the power service, removal of cabinet, conduit, wiring, etc.

- 6.5. The Engineer will designate areas of the curb to be repaired [Refer to Attachment F for Plan Note]. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- C. Substructure
 - 1. Inspect substructure, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- D. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]
- E. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]

36 Design and Construction Requirements of Structure: SUM-77-1152 [Under Lovers Lane, Structure File Number 7702914]

in addition to the Governing Regulations listed in section 8.1 of the Scope of Services:

Existing Structure Data:								
Length:	158.00' ±							
Width o/o:	60'-8"±							
Design Loading:	CF400(57)							
Type:	Two Span Continuous Rolled Beam with Reinforced Concrete Deck &							
	Substructure							
Spans:	73'-6"± 73'-6"±							
Date Built:	1964±							
Alignment & Profile: Alignment:	Existing Relocated By ODOT By DBT							
Profile: 🖂	Existing Relocated Feathered (Adjustment) By ODOT By DBT							
Investigate the need for P	refabricated Structure:							
Investigate the need for R	etaining Walls: 🗌 Yes 🔯 No							
The Department will NOT be responsible for collecti	provide foundation investigation. If field information is required the DBT will $\frac{1}{2}$ mg the data.							
All Shon Drawings will cor	mply with Item 501							

All **Shop Drawings** will comply with Item 501.

- A. Concrete Sealing
 - 1. Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design Manual using Non-Epoxy Sealer on the sidewalk and Epoxy-Urethane Sealer on the remainder.
 - 2. Substructure: Remove existing sealer (if present) and Seal all exposed concrete surfaces except for the tops of the Pier Caps using Epoxy-Urethane Sealer
- B. Superstructure
 - 1. Remove Spalls and Delamination over Safety Sensitive Areas (Pavement, Shoulders, Sidewalks, etc.) from the Floor (bottom of Bridge Deck), do not patch these areas. Apply Epoxy-Urethane Sealer to the areas of the removals [Refer to Attachment F for Plan Note]. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 2. Remove the existing Vandal Protection Fence and install new Vandal Protection Fence as per Standard Drawing VPF-1-90 (Straight Fence) and Scope Attachment G. The color of the Fence Fabric, Rails, Posts, Plates, Tie Wires, Nuts, Bolts, Caulk, and any other visual hardware will be coated Black (Federal Color No. 27038)
 - 3. Remove all dirt and debris from the Beam Seats, Drainage Systems (if present), and Bridge Joints as per Plan Insert Sheet BC
 - 4. Remove existing Cathodic Protection System, this includes disconnecting the power service, removal of cabinet, conduit, wiring, etc.
 - 5. Replace the missing top railing on the southern parapet
 - 6. The Engineer will designate areas of the curb to be repaired [Refer to Attachment F for Plan Note]. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- C. Substructure

- 1. Inspect substructure, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- D. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]
- E. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]

37 Design and Construction Requirements of Structure: SUM-77-1201 [77NB Over SUM-8-0.21, Structure File Number 7702973]

in addition to the Governing Regulations listed in section 8.1 of the Scope of Services:

Existing Structure Data:								
Length:	145.97' ±							
Width o/o:	60'-8"±							
Design Loading:	HS25							
Type:	Two Span Continuous Rolled Beam with Reinforced Concrete Deck &							
	Substructure							
Spans:	68'-7 9/16"± 68'-7 9/16"±							
Date Built:	1964± / Rehabilitated 2002±							
Alignment & Profile: Alignment:	Existing Relocated By ODOT By DBT							
Profile:	Existing Relocated Feathered (Adjustment) By ODOT By DBT							
Investigate the need for P	refabricated Structure: Yes No							
Investigate the need for R	etaining Walls: 🗌 Yes 🔀 No							
The Department will NOT be responsible for collecti	provide foundation investigation. If field information is required the DBT willing the data.							
All Shop Drawings will co	mply with Item 501.							

All Shop brawings will comply with item 501.

- A. Concrete Sealing
 - 1. Bridge Deck and Approach Slabs: Seal with Gravity Fed Resin
 - 2. Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design Manual using Epoxy-Urethane Sealer
 - 3. Substructure: Remove existing sealer (if present) and Seal all exposed concrete surfaces except for the tops of the Pier Caps using Epoxy-Urethane Sealer
- B. Superstructure
 - 1. Remove Spalls and Delamination over Safety Sensitive Areas (Pavement, Shoulders, Sidewalks, etc.) from the Floor (bottom of Bridge Deck), do not patch these areas. Apply Epoxy-Urethane Sealer to the areas of the removals [Refer to Attachment F for Plan Note]. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 2. Remove all dirt and debris from the Beam Seats, Drainage Systems (if present), and Bridge Joints as per Plan Insert Sheet BC
 - 3. Paint Fascia Beams (exterior and bottom flanges only) of the existing Structural Steel as per CMS 514
 - 4. Inspect Bridge Deck, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 5. Remove and replace the Expansion Joint Strip Seals at the Forward and Rear Approach
- C. Substructure
 - 1. Inspect substructure, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.

- D. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]
 E. Prior to the start of construction and at the completion of construction Vertical Clearance
- E. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]

38 Design and Construction Requirements of Structure: SUM-77-1543 [Over Hawkins Ave CR625, Structure File Number 7703600]

in addition to the Governing Regulations listed in section 8.1 of the Scope of Services:

Existin	g Structure Da	ata:								
	Length:		162.63' ±							
	Width o/o: Varies									
	Design Loadir	ng:	HS20							
	Type:									
		_	Substruct	ure						
	Spans:		45'-0" ± -	58'	-0"± 40'-0)"±				
	Date Built:	•	1964± / R	ehabi	litated 1990:	±				
		-								
Alignm	ent & Profile:									
	Alignment:	\boxtimes	Existing		Relocated		By ODOT	\boxtimes	By DBT	
	Profile:	\boxtimes	Existing		Relocated		Feathered	(Adjus	,	
							By ODOT	\boxtimes	By DBT	
Investig	gate the need	for P	refabricate	ed Str	ucture: 🗌	Yes	⊠ No			
Investig	gate the need	for R	etaining W	alls:	☐ Yes 🖂	No				
	partment will		•		ion investiga	tion.	If field infor	rmatior	ı is required t	he DBT will
be resp	onsible for co	llecti	ng the data	а.						
61					0.4					
All Sho	p Drawings wi	ıll cor	nply with I	tem 5	U1.					

- A. Concrete Sealing
 - 1. Bridge Deck: Seal with Gravity Fed Resin
 - 2. Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design Manual using Epoxy-Urethane Sealer
 - 3. Substructure: Remove existing sealer (if present) and Seal all exposed concrete surfaces except for the tops of the Pier Caps using Epoxy-Urethane Sealer
- B. Superstructure
 - 1. Remove Spalls and Delamination over Safety Sensitive Areas (Pavement, Shoulders, Sidewalks, etc.) from the Floor (bottom of Bridge Deck), do not patch these areas. Apply Epoxy-Urethane Sealer to the areas of the removals [Refer to Attachment F for Plan Note]. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 2. Remove and replace the Approach Slabs. The new Approach Slabs will be the full width and the same length as the existing. Provide the Parapet Transitions on the Approach Slabs (modifications to the existing Parapet on the Bridge maybe required)
 - 3. Remove all dirt and debris from the Beam Seats, Drainage Systems (if present), and Bridge Joints as per Plan Insert Sheet BC
 - 4. Inspect Bridge Deck, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 5. Remove and replace the Expansion Joint Strip Seals at the Forward Abutment, Rear Abutment, and Hinge Points.
- C. Substructure

- 1. Inspect substructure, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- D. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]
- E. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]

39 Design and Construction Requirements of Structure: SUM-77-1570 [Over SUM-261-6.25, Structure File Number 7703635]

in addition to the Governing Regulations listed in section 8.1 of the Scope of Services:

Existing Structure Data:								
Length:	148.58' ±							
Width o/o:	Varies							
Design Loading:	HS20							
Type:	Three Span Continuous Steel Beam with Reinforced Concrete Deck &							
	Substructure							
Spans:	42'-0" ± 60'-0"± 42'-0"±							
Date Built:	1964± / Rehabilitated 1990±							
Alignment & Profile: Alignment:	Existing Relocated By ODOT By DBT							
Augiment.	Existing Refocuted by obot by bbt							
Profile:	Existing Relocated Feathered (Adjustment) By ODOT By DBT							
Investigate the need for	Prefabricated Structure: 🗌 Yes 🔀 No							
Investigate the need for	Retaining Walls:							
The Department will NO ⁻ be responsible for collec	Γ provide foundation investigation. If field information is required the DBT will ting the data.							
All Shop Drawings will co	omply with Item 501.							

- A. Concrete Sealing
 - 1. Bridge Deck: Seal with Gravity Fed Resin
 - 2. Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design Manual using Epoxy-Urethane Sealer
 - 3. Substructure: Remove existing sealer (if present) and Seal all exposed concrete surfaces except for the tops of the Pier Caps using Epoxy-Urethane Sealer
- B. Superstructure
 - 1. Remove Spalls and Delamination over Safety Sensitive Areas (Pavement, Shoulders, Sidewalks, etc.) from the Floor (bottom of Bridge Deck), do not patch these areas. Apply Epoxy-Urethane Sealer to the areas of the removals [Refer to Attachment F for Plan Note]. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 2. Remove and replace the Approach Slabs. The new Approach Slabs will be the full width and the same length as the existing. Provide the Parapet Transitions on the Approach Slabs (modifications to the existing Parapet on the Bridge maybe required)
 - 3. Inspect Bridge Deck, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
 - 4. Refurbish all Bearings (per Bridge Design Manual Note 610.4-1) at the Rear and Forward Abutments
 - 5. Replace the missing Cross Frame
- C. Substructure
 - Inspect substructure, mark the areas to be patched and perform required patching. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.

- D. Repair the erosion at the forward and rear right of the Structure. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- E. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]
- F. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]

40 Design and Construction Requirements of Structure: SUM-764-0214 [Over SUM-77-10.50, Structure File Number 7711220]

in addition to the Governing Regulations listed in section 8.1 of the Scope of Services:

Existin	g Structure Da	ata:									
	Length:		128.00' ±								
	Width o/o: 60'-8" ±										
	Design Loadir	ng:	CF400(57)								
	Type:		Two Spai	Two Span Continuous Steel Beam with Reinforced Concrete Deck &							
			Substruct	ure							
	Spans: 61'-6" ± 61'-6"±										
	Date Built:	•	1964± / R	ehabi	litated 1987	'±					
		•									
Alignm	ent & Profile:										
	Alignment:	\boxtimes	Existing		Relocated		By ODOT	\boxtimes	By DBT		
	Profile:	\boxtimes	Existing		Relocated		Feathered				
							By ODOT	\boxtimes	By DBT		
					_						
Investig	gate the need	for P	refabricate	ed Str	ucture:] Yes	⊠ No				
						_					
Investi	gate the need	for R	etaining W	alls:	∐ Yes [≥	⊴ No					
TI . D		мот			• •		16.65.1.1.5.6.			d DDT W	
	partment will				ion investiga	ation.	it tiela intoi	matio	n is required	the DBT Will	
be resp	onsible for co	llecti	ng the data	ì.							
All Sho	All Shop Drawings will comply with Item 501.										
ALL 3110	א גאווואצוח ל	itt COI	iipty with i	tem 3	01.						
A . I . I * C * .				1	C : - I D						

- A. Superstructure
 - 1. Remove Spalls and Delamination over Safety Sensitive Areas (Pavement, Shoulders, Sidewalks, etc.) from the Floor (bottom of Bridge Deck), do not patch these areas. Apply Epoxy-Urethane Sealer to the areas of the removals [Refer to Attachment F for Plan Note]. Payment for this work will be made on a unit cost basis and an estimated quantity has been provided in the Proposal.
- B. Remove existing Structure Identification Signs (if present) and install new Structure Identification Signs in the approach direction(s) [Refer to Attachment F for Plan Note]
- C. Prior to the start of construction and at the completion of construction Vertical Clearance Measurements will be taken. This information will be supplied to the Project Engineer within 48 hours of the time the measurements are taken. [Refer to Attachment F for Plan Note]