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]
- Design and Construction Requirements of Structure: SUM-8-0038 [Under Johnston St CR702, Structure File Number 7700067]
- 3 Design and Construction Requirements of Structure: SUM-8-0064 [Over Beacon Street, Structure File Number 7700091]
- <u>4 Design and Construction Requirements of Structure: SUM-8-0086 [Over E Exchange St (CR627), Structure File Number 7700156]</u>
- <u>5</u> Design and Construction Requirements of Structure: SUM-8-0117 [Under Carrol St (CR651), Structure File Number 7700180]
- <u>6 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]
- 11 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]
- 15 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</u> Ave to 76 EB, Structure File Number 7703163]
- 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]
- <u>33 Design and Construction Requirements of Structure: SUM-77-1082 [Over Firestone Blvd, Structure</u> File Number 7702795]
- 34 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]</u>
- 36 Design and Construction Requirements of Structure: SUM-77-1152 [Under Lovers Lane, Structure File Number 7702914]
- <u>Design and Construction Requirements of Structure: SUM-77-1201 [77NB Over SUM-8-0.21, Structure File Number 7702973]</u>
- 38 Design and Construction Requirements of Structure: SUM-77-1543 [Over Hawkins Ave CR625, Structure File Number 7703600]
- <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>
- <u>Design and Construction Requirements of Structure: SUM-76-0824L [Over Morse St, Structure File Number 7705859]</u>
- <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>
- <u>Design and Construction Requirements of Structure: SUM-76-0876 [Under East Ave CR668, Structure File Number 7703546]</u>
- <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>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>19</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>23</u> <u>Design and Construction Requirements of Structure: SUM-76-1077N [Under Wolf Ledges CR648, Structure File Number 7703139]</u>
- <u>24</u> <u>Design and Construction Requirements of Structure: SUM-76-1085 [Under Grant St, Structure File Number 7703104]</u>
- <u>25</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>Design and Construction Requirements of Structure: SUM-76-1200 [Under Ped Bridge, Structure File Number 7706219]</u>
- <u>30</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>
- <u>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>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:

Existin	g Structure Da	ata:										
	Length:	_	153'-4 5/8	153'-4 5/8" ±								
	Width o/o:	•	40'-0"±									
	Design Loadir	ng:	CF2000									
	Type:	•	Two Spar	Two Span Continuous Rolled Beam with Reinforced Concrete Deck &								
			Substruct	ure								
	Spans:		72'-1 5/1	6"±	- 72'-1 5/16 <mark>'</mark>	'± (me	asured alon	g chore	d)			
	Date Built:	_	1960± / R	ehabi	litated 2002:	<u>t</u>						
Alignm	ent & Profile:	_		_		_		_				
	Alignment:	\boxtimes	Existing	Ш	Relocated	Ш	By ODOT	\boxtimes	By DBT			
	Profile:	\boxtimes	Existing		Relocated		Feathered By ODOT		tment) 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						
	he Department will NOT provide foundation investigation. If field information is required the DBT will e responsible for collecting the data.											
All Sho	p Drawings wi	ill cor	nply with I	tem 5	01.							

Additional Description of Required Work and Special Provisions:

- 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 Section 302.1.4.3 Bridge Design Manual Section 306.1.2 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
 - 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]

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

Existin	g Structure Da	ata:									
	Length:		308.64' ±								
Width o/o:			46'-0"±								
	Design Loadir	ng:	HS20								
	Type:		Four Spa	n Co	ntinuous Ste	eel Be	am with I	Reinfor	ced Concre	te Deck	&
	71		Substructi								
	Spans:	-			4'-9 5/8"±	- 77'-5	5 7/8"± 8	30'-10	9/16"±		
	Date Built:	-			litated 1990						
	2410 241111	-	17002 / Попавителем 17702								
∆liønm	ent & Profile:										
A5	Alignment:	\boxtimes	Existing		Relocated		By ODOT	\boxtimes	By DBT		
	Profile:	\boxtimes	Existing		Relocated		Feathered By ODOT	(Adjus	stment) By DBT		
Investi	gate the need	for P ı	refabricate	ed Str	ucture:	Yes	⊠ No				
Investi	gate the need	for R	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 cor	nply with I	tem 5	01.						
Additio	nal Descriptio		•	ork aı	nd Special Pr	ovisio	ns:				

- - 1. Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design Manual Section 302.1.4.3 Bridge Design Manual Section 306.1.2 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 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 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
 - 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]

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	g Sti	ructi	ure D	ata:								
	Length:		133.06' ±	:								
	Wic	dth o	/o:		129'-0"±							
	Design Loading:		HS-20-44	HS-20-44 (Case I) and the Alternate Military Loading								
	Typ	e:			Two Spa	Two Span Continuous Steel Beam with Composite Reinforced Concrete						
					Deck & Si	Deck & Substructure						
	Spa	ans:			63'-6"± -	63'	-6"±					
	Dat	te Bu	ilt:		1962± / F	Rehab	ilitated 1982	±, 2002	2±			
Alignm	ont	& Dr	ofilo	•								
Augilli		gnme		🖂	Existing		Relocated		By ODOT	\bowtie	By DBT	
	Atiş	3111110	iii.		LAISCHIIg	П	Retocated	Ш	ву овот		ву вы	
	Pro	ofile:			Existing		Relocated		Feathered (By ODOT	Adjus	stment) By DBT	
Investig	gate	the	need	for P	refabricat	ed St	ructure:] Yes	⊠ No			
Investig	gate	the	need	for R	etaining W	Valls:	☐ Yes ∑] No				
					provide fo ng the dat		ion investiga	ition.	If field inform	nation	n is required the DBT wil	
All Sho l	p Dr	awir	ngs w	ill co	mply with	Item !	501.					
Additio	nal I	Desc	riptic	n of I	Required W	/ork a	nd Special P	rovisio	ns:			
,			crete				a opoolat :					
						roach	Slabs: Seal	with C	Gravity Fed Re	sin		
											s per the Bridge Design	
											Bridge Design Manual	
			using	g Epox	ky-Urethan	e Sea	ler					
		3.2	Subs	tructı	ire: Remo	ve ex	isting sealer	(if pre	sent) and Sea	l all e	exposed concrete	
			surfa	ices e	xcept for t	he to	ps of the Pie	r Caps	using Epoxy-	Ureth	ane Sealer	
	В.	Sup	erstr	uctur	9							
		1.									avement, Shoulders,	
											t patch these areas.	
											er to Attachment F for	
									de on a unit o	cost b	pasis and an estimated	
							d in the Prop					
		2.									labs and replace with a	
											ion of existing Concrete	
											hment F for Plan Note].	
			Payn	nent f	or Hand Cl	nippin	ig, Full Deptl	n Repa	ir and Variabl	e Thi	ckness (Material Only)	
			will I	be ma	ide on a ur	nit cos	st basis and a	n estir	nated quantit	tv has	s been provided in the	

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.

Proposal. The overlay will be variable thickness to adjust the crown location on the

bridge to align with the approach roadway.

- 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]

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 St	ructure D	ata:							
Ler	ngth:	91.50' ±							
Wie	dth o/o:	Varies							
Des	sign Loadii								
Тур	oe:	· ·	Single Span Non Composite Steel Girder with Reinforced Concrete Deck $\&$						
		Substructure							
Spa	ans:	86'-6"±							
Dat	te Built:	1962± / Rehabilitated 1982±, 1992±, 2002							
	C D (''								
Alignment									
All	gnment:								
Pro	ofile:								
110	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	By ODOT By DBT							
Investigate	the need	for Prefabricated Structure :							
Investigate	the need	for Retaining Walls : Yes No							
		NOT provide foundation investigation. If field information is required the DBT v llecting the data.	√il						
be respons	וטופ וטו כט	meeting the data.							
All Shop Dr	rawings w	ill comply with Item 501.							
л. опор от	5 - ,,	w comply man room com							
Additional	Descriptio	n of Required Work and Special Provisions:							
	Concrete								
	1. Bridg	e Deck and Approach Slabs: Seal with Gravity Fed Resin							
		rstructure: Remove existing sealer (if present) and Seal as per the Bridge Design	ł						
		al Section 302.1.4.3 Bridge Design Manual Section 306.1.2 Bridge Design Manual							
	-	Epoxy-Urethane Sealer							
		ructure: Remove existing sealer (if present) and Seal all exposed concrete							
		ces except for the tops of the Pier Caps using Epoxy-Urethane Sealer							
В.	Superstru								
		ove Spalls and Delamination over Safety Sensitive Areas (Pavement, Shoulders,							
		valks, etc.) from the Floor (bottom of Bridge Deck), do not patch these areas.							
		\prime Epoxy-Urethane Sealer to the areas of the removals [Refer to Attachment F for							
		Note]. Payment for this work will be made on a unit cost basis and an estimated							
		tity has been provided in the Proposal.							
		orm a Concrete Overlay to the Bridge Deck and Approach Slabs and replace with							
		Micro-Silica Concrete Overlay matching the current elevation of existing Concret							
		ay the per Supplemental Specification 848 [Refer to Attachment F for Plan Note							
	Paym	ent for Hand Chipping, Full Depth Repair and Variable Thickness (Material Only)							
	will b	be made on a unit cost basis and an estimated quantity has been provided in the							
		osal. The overlay will be variable thickness to adjust the crown location on the							
	bridg	e to align with the approach roadway.							

ATTACHMENT A ADDENDUM 42 Page 11

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

C. Substructure

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]

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

Existing Structure Da	ta:
Length:	119.66' ±
Width o/o:	62'-6 ½"±
Design Loading	g: 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
Profile:	⊠ Existing
Investigate the need f	or Prefabricated Structure :
Investigate the need f	or Retaining Walls :
The Department will N be responsible for coll	NOT provide foundation investigation. If field information is required the DBT will ecting the data.
All Shop Drawings wil	l comply with Item 501.
A. Concrete	
Manua	structure: Remove existing sealer (if present) and Seal as per the Bridge Design Al Section 302.1.4.3 Bridge Design Manual Section 306.1.2 Bridge Design Manual
•	Non-Epoxy Sealer on the sidewalk and Epoxy-Urethane Sealer on the remainder.
2. Substr	ructure: 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
 - 3. 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]

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

Existing	g Structure Da	ata:									
	Length:		119.68' ±								
	Width o/o:	•	62'-6 ½"±								
	Design Loadir	ng:	HS20								
	Type:	•	Two Spai	Two Span Continuous Steel Beam with Reinforced Concrete Deck &							
	71		Substruct								
	Spans:	•	57'-4"±	- 57'-	·4"±						
	Date Built:	•			litated 1986:	+. 200	2+				
	Date Barter	-	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	CHAD	tituted 1700.	_,					
∆lignm	ent & Profile:										
~g	Alignment:	\boxtimes	Existing		Relocated		By ODOT	\boxtimes	By DBT		
	Adjunient.		EXISTING	Ш	retocatea	Ш	<i>b</i> , 000.		<i>Dy DD</i> .		
	Profile:	\boxtimes	Existing		Relocated		Feathered	(Adius	tment)		
	Tronte.		EXISTING	ш	Retocated	H	By ODOT		By DBT		
						ш	<i>b</i> , 000.		<i>Dy DD</i> .		
Invoctio	ate the need	for D	rofabricat	od Sti	ructuro: \Box	Yes	⊠ No				
IIIvesti	gate the need	IUI P	i e i abi icati	zu su	ucture.	162	M NO				
Invoctio	sata tha naad	for D	otaining W	/alle	□ Voc □	1 No					
mvestig	gate the need	101 K	etaining w	alis:	☐ res 区	No					
The De	الثين فسمسفسم	NOT			ian invastina	. :	الإلائما المائمة			۲۲- DD.	т:11
The Department will NOT provide foundation investigation. If field information is required the DBT will be responsible for collecting the data.											
be resp	ourible for co	шеси	ng the data	1.							
All Cha	- D	:11"	ا ماختین براهم	4 a .a.a E	:04						
All Sno	p Drawings wi	ill cor	npiy with i	tem 5	001.						
A -1 -1:4:-	I D			/ l	C: D						
AUGITIO	nal Description	n ot F	kequired W	ork a	na special Pr	071210	ns:				

- A. Concrete Sealing
 - Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design Manual Section 302.1.4.3 Bridge Design Manual Section 306.1.2 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:

Existin	g Structure Da	ata:									
	Length:	_	216.97' ±								
	Width o/o:	_	68'-0"±								
	Design Loadir	ng:	HS25								
	Type:	_	Two Span Continuous Steel Beam with Composite Reinforced Concrete								
		_	Deck & Su	bstru	cture						
	Spans:	_	102'-1"±	112	2'-7"±						
	Date Built:	_	2002±								
∆liønm	ent & Profile:										
7g	Alignment:	\boxtimes	Existing		Relocated		By ODOT	\boxtimes	By DBT		
	Profile:		Existing		Relocated		Feathered By ODOT		stment) By DBT		
Investig	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				on investiga	tion.	If field infor	matior	n is required the DBT wil		
All Sho	p Drawings wi	ill con	nply with I	tem 5	01.						

Additional Description of Required Work and Special Provisions:

- 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 Section 302.1.4.3 Bridge Design Manual Section 306.1.2 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. 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 Pressure Relief Joints
- 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]

Existing	g Structure Da			
	Length:	120.52' ±		
	Width o/o:	66'-6"±		
	Design Loadir	HS20		
	Type:	Two Span Continuous St	eel Beam with Reinforced Concrete Deck	£t
		Substructure		
	Spans:	57'-8 7/8"± 57'-8 7/8"±	<u> </u>	
	Date Built:	1962± / Rehabilitated 1986	5±, 2002±	
Alignm	ent & Profile:			
•	Alignment:	Existing Relocated	☐ By ODOT ☒ By DBT	
	Profile:	Existing Relocated	☐ Feathered (Adjustment) ☐ By ODOT ☑ By DBT	
Investig	gate the need	Prefabricated Structure:] Yes ⊠ No	
Investig	gate the need	Retaining Walls: Yes	⊠ No	
		T provide foundation investigating the data.	ation. If field information is required the DBT v	wil
All Sho	p Drawings wi	comply with Item 501.		
Additio		f Required Work and Special P	Provisions:	
	A. Concrete			
			er (if present) and Seal as per the B ridge Desigr	n
			n Manual Section 306.1.2Bridge Design Manual	
		oxy-Urethane Sealer		
			(if present) and Seal all exposed concrete er Caps using Epoxy-Urethane Sealer	
	B. Superstru			
	Sidev Apply Plan	ks, etc.) from the Floor (botto boxy-Urethane Sealer to the ar	Safety Sensitive Areas (Pavement, Shoulders, om of Bridge Deck), do not patch these areas. reas of the removals [Refer to Attachment F for I be made on a unit cost basis and an estimated posal	
	C. Substruct	•	P-224	

- 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	g Str	uctı	ıre Da	ata:									
	Leng	gth:			151.62' ±								
	Wid	th o	/o:		Varies								
	Desi	gn L	.oadir	ıg:	CF2000(5	7)							
	Туре	e:		•	Three Sp	an C	ontinuous !	Steel E	Beam with	Reinfo	rced Concrete Deck &		
						Substructure							
	Spar	ns:			45'-0" ± 57'-0"± 45'-0"±								
	Date		ilt:				ilitated 198						
Aliano	+ C	. D.	afila.										
Alignme					Evistina		Dolocatod		D. ODOT		D. DDT		
	Alig	nine	nt.	\boxtimes	Existing	Ш	Relocated	Ш	By ODOT	\boxtimes	By DBT		
	Prof	ile:		\bowtie	Existing	П	Relocated		Feathered	(Adjus	stment)		
					J	_			By ODOT	\square	By DBT		
								-					
Investig	ate t	the	need	for P	refabricat	ed Sti	ructure: [] Yes	⊠ No				
Investig	ate t	the	need	for R	etaining V	Valls:	☐ Yes [⊠ No					
								_					
							ion investig	ation.	If field infor	matio	n is required the DBT will		
be resp	OHSIL	ne i	or co	lecti	ng the dat	a.							
All Sho p	o Dra	wir	ı gs wi	ll cor	nply with	Item 5	501.						
Additio	nal D	esci	iptio	n of F	Required W	/ork a	nd Special F	rovisio	ns:				
							nern Ends)						
								top of	the Approac	h Slab	ys		
											ends of the Approach		
					distance		•		•				
		3.	Place	IΤΕΛ	1 441 - ASP	HALT	CONCRETE	SURFA	CE COURSE,	TYPE 1	1, (448), PG70-22M and		
			ITEM	407 -	NON-TRA	CKING	TACK COAT	on the	e Approach S	Slabs tl	he area milled		
	В.	Con	crete	Seal	ing								
		1.	Bridg	e Dec	ck: Seal w	ith Gr	avity Fed R	esin					
											s per the Bridge Design		
								n Manu	al Section 30	06.1.2 I	<u>Bridge Design Manual</u>		
					y-Urethan								
											exposed concrete		
						he to	ps of the Pi	er Caps	using Epoxy	/-Ureth	nane Sealer		
			erstru						_				
											avement, Shoulders,		
											t patch these areas.		
			Apply	Epo:	xy-Urethar	ne Sea	ler to the a	reas of	the remova	ls [Ref	er to Attachment F for		

- 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.

Plan Note]. Payment for this work will be made on a unit cost basis and an estimated

4. Refurbish all Bearings

quantity has been provided in the Proposal.

- 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 7705883]

Existing Structure Data:									
Length:	118.59' ±								
Width o/o:	44'-4"±								
Design Loading:	CF2000(57) Three Span Continuous Concrete Slab								
Type:									
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 Pr	refabricated Structure:								
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 Shop Drawings will com	iply with Item 501.								
A. Concrete Sealir	equired Work and Special Provisions: ng ture: Remove existing sealer (if present) and Seal as per the Bridge Design								

- Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design
 <u>Manual Section 302.1.4.3 Bridge Design Manual Section 306.1.2 Bridge Design Manual using Epoxy-Urethane Sealer</u>
- 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
 - 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.
 - 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. 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]

Existing Struct	ture Data:									
Length	:	197.16' ±								
Width	o/o:	78'-4"± CF2000(57)								
Design	Loading:									
Type:		Four Spar	Four Span Continuous Steel Beam with Reinforced Concrete Deck &							
		Substructu								
Spans:		35'-0" ±	35'-0" ± 51'-0"± 62'-6"± 44'-0"±							
Date B	uilt:	1964± / Rehabilitated 1986								
Alignment & P				. —						
Alignm	ent: 🖂	Existing	Relocate	d ∐	By ODOT	\boxtimes	By DBT			
Profile	: 🖂	Existing	☐ Relocate	а □	Feathered	l (Adius	tment)			
Tronte	•	LXISCITIS		* H	By ODOT		By DBT			
					,		•			
Investigate the	need for F	refabricate	ed Structure:	☐ Yes	⊠ No					
Investigate the	need for F	etaining W	alls: 🗌 Yes	⊠ No						
The Department be responsible			ındation invest	gation.	If field info	rmatior	n is required	the DBT will		
be responsible	TOT COLLECT	ing the data	l•							
All Shop Draw	ings will co	mply with It	em 501.							
Additional Des	cription of	Required Wo	ork and Special	Provisio	ns:					
A. Co	ncrete Seal	ing								
1.			th Gravity Fed							
2.	Superstru	cture: Rem	ove existing se	aler (if p	resent) and	Seal as	s per the <mark>Bric</mark>	lge Design		
	Manual Sc	ction 302.1	.4.3 Bridge Desi	gn Manu	al Section 3	06.1.2 E	Bridge Design	<u>Manual</u>		
		xy-Urethane								
3.	Substruct	ure: Remov	e existing seal	er (if pre	sent) and S	eal all e	exposed cond	rete		
	surfaces e	except for th	ne tops of the F	ier Caps	using Epox	v-Ureth	ane 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
 - 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]

Existing Structure Data:								
Length: 295.03'	±							
Width o/o: 78'-4"±	78'-4"±							
Design Loading: HS20								
Type: Four Sp	Four Span Continuous Steel Beam with Reinforced Concrete Deck &							
	Substructure							
Spans: <u>55'-0" ±</u>	± 78'-0"± 92'-4"± 64'-0"±							
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 Prefabrica	ated Structure:							
Investigate the need for Retaining	Walls: ☐ Yes ⊠ No							
The Department will NOT provide f be responsible for collecting the da	foundation investigation. If field information is required the DBT will ata.							
All Shop Drawings will comply with	ı Item 501.							
Additional Description of Required	Work and Special Provisions:							
A. Concrete Sealing	W. C. W. E. I.D. :							
	with Gravity Fed Resin							
	emove existing sealer (if present) and Seal as per the Bridge Design							
Manual Section 302	2.1.4.3 Bridge Design Manual Section 306.1.2 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 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
 - 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]

Existing Structure Data:								
Length:	262.12' ±							
Width o/o:	10'-4"± 85 PSF							
Design Loading:								
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							
All and a control of the control of								
Alignment & Profile:								
Alignment: 🖂	Existing Relocated By ODOT By DBT							
Profile:	Existing Relocated Feathered (Adjustment)							
Tronte.	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 co	mply with Item 501.							
Additional Description of I	Required Work and Special Provisions:							

- A. Concrete Sealing
 - 1. Bridge Deck: Seal with Gravity Fed Resin
 - Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design Manual Section 302.1.4.3 Bridge Design Manual Section 306.1.2 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 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:

Existin	_		e pata:									
		gth:		160.10'±								
	Width o/o: Design Loading: Type: Spans:		142'-0"±									
			CF2000(5	CF2000(57)								
			Three Sp Substruct		ontinuous S	teel B	eam with	Reinforce	d Concr	ete D	eck &	
					6"± 45'-6	5"±						
Date Built:		1964±, Rehabilitated 1983±,2015±										
Alignm	ent (& Prof	ile:									
	Alig	gnment	: 🖂	Existing		Relocated		By ODOT	⊠ B ₁	y DBT		
	Pro	file:		Existing	\boxtimes	Relocated		Feathere By ODOT	ed (Adjustm B	ient) y DBT		
Transv	erse	Section	ns:									
	Roa Wid	idway Ith:				→ 67'-8 5/8' 3" Outside Sl			! ½" Inside	Shoulde	r, 4 x	12'-0"
		ling:	-	Type: S	BR-1-2	20 (Outside) 20 (Median)			Heigh	t: 42 ²	" (Out:	,
	Fen	ice:		☐ Yes				figuration	. N/A			,
		ewalks	:	Yes	_	o Width		3	N/A			
				_	_							
Investig	gate	the ne	ed for F	Prefabricat	ed Str	ucture:] Yes	⊠ No				
Investig	gate	the ne	ed for F	Retaining V	Valls:	☐ Yes ▷	☑ No					
						formed by DBT will be						<u>P</u> If
All Sho	p Dr	awings	will co	mply with	Item 5	01.						
Additio	nal [Descrip	tion of	Required W	/ork aı	nd Special P	rovisio	ns:				
						ared by DLZ			019) is prov	ided as	Attach	ıment l
						Structure Ty						
	В.					ng bridge su						gs, etc.)
			al Clear	•			•	,	,	·		
		1. Th	ne minir	num accep	table v	ertical clea	rance	is 15'-6"				
		2. Th	ne exist	ing vertical	clear	ance is 14'-9	∂" ± (me	easuremer	nts were tal	ken by 0	DOT D	04 and
		ar	e provi	ded in Atta	chmen	it J),DBT m	ıust ve	rify this pı	ior to start	ing cons	tructio	on
			eginning									
						uction and a						
						vill be taken						
						n 48 hours o	the t	ime the m	easuremen	ts are ta	ken. [Kefer
	_			ment F for				D :	I C	- 000		
				cture Load Rating as per the Bridge Design Manual Section 900 Iding Requirement shall follow the Bridge Design Manual Section 301.4Bridge								
	L.	Struct	ure Loa	aing kequii	remen	t snall follov	v tne 🗜	sriage Des	gn Manual	section .	ડ∪1.4 t	sriage

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 Section 302.1.4.3 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).
 - 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.
- 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
 - Superstructure: Seal as per the <u>Bridge Design Manual Section 302.1.4.3Bridge Design Manual Section 306.1.2</u>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]

Existing Structure Data: Length: Width o/o: Design Loading:		ata:								
		425.80'±								
		Varies								
		HS20								
	Type:				tinuous Stee	el Bea	am with Re	einforced Co	oncrete Deck 8	t
	C		Substructure 43'-0"± 61'-0"± 3 @ 85'-6"± 60'-0"± 1964± / Rehabilitated 1983							
	Spans:									
	Date Built:		1904± / K	enabi	iitated 1983					
Alignm	ent & Profile:	;								
3	Alignment:	\boxtimes	Existing		Relocated		By ODOT	⊠ By DB	īΤ	
	Profile:		Existing	\boxtimes	Relocated		Feathered	(Adjustment))	
							By ODOT	By DB	iΤ.	
Transv	erse Sections:	:								
	Roadway		East Bound \rightarrow 54'-2 ½" t/t barrier (8'-2 ½" Inside Shoulder, 3 x 12'-0"							
	Width:		Lanes, 10	-0" Oi	utside Should	ier)				
			West Roun	л Л	/aries from 8	0'-3 3	/16" to 96'-8	R" t/t barrier	r (8'-2 ½" Inside	
									Lanes, Varies	
									zanes, varies	
	Railing:		from 10'-1 ½" to 10'-2 9/16" Outside Shoulder Type: SBR-1-20 (Outside)					Height:	42" (Outside)	_
5.				20 (Median) (3 3	57" (Median)				
	Fence:		Yes	N	lo Height	/ Conf	figuration:			
	Sidewalks:		Yes	$\overline{\boxtimes}$ N	lo Width:			N/A		
Investig	gate the need	for P	refabricate	ed Str	ucture: 🗌	Yes	⊠ No			
						.				
Investig	gate the need	for R	etaining W	alls:	∐ Yes ≥	No				
Founds	tion ovalorat	ion i	nformation		rformed by	DI 7 C	Obio is pro	vidad in At	tachment D	1.6
	nal field infori								tachment <u>P</u> —.	11
additio	nat fieta iiiion	macic	ii is requir	cu tiit	DDT WILL DE	respoi	iisible ioi co	ittecting the t	uata.	
All Sho	p Drawings wi	ill co	mply with I	tem 5	601.					
Additio	nal Descriptio	n of I	Required W	ork a	nd Special Pr	ovision	ns:			
								ng (dated 08	/2019) is provide	d
								Study is pro		
	reference			•			,,	- '		

- 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 <u>Bridge Design Manual Section 301.4Bridge Design Manual Section 303</u>
- 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 Section 302.1.4.3 Bridge Design Manual Section 306.1.2 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).
 - 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.
 - 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 Section 302.1.4.3 Bridge Design Manual Section 306.1.2 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 Reinforced Concrete Deck &								
	Substructure								
Spans:	49'-0"± 70'-0"± 49'-0"±								
Date Built:	1964±								
Alignment & Profile:									
Alignment: 🖂	Existing Relocated By ODOT By DBT								
Profile:	Existing Relocated Feathered (Adjustment)								
Fronte.	By ODOT \ By DBT								
Transverse Sections:									
Roadway	Each Direction →55'-8 7/8" t/t barrier (8'-2 ½" Inside Shoulder, 3 x 12'-0"								
Width:	Lanes, 11'-5 15/16" Outside Shoulder)								
Railing:	Type: SBR-1-20 (Outside) Height: 42" (Outside)								
	SBR-2-20 (Median) (1" Gap) 57" (Median)								
Fence:	Yes No Height / Configuration: N/A								
Sidewalks:	Yes No Width: N/A								
Investigate the need for P	refabricated Structure: 🔲 Yes 🛛 No								
-									
Investigate the need for R	Retaining Walls: 🗌 Yes 🔯 No								
	information, performed by DLZ Ohio, is provided in Attachment P If								
additional field information	on is required the DBT will be responsible for collecting the data.								
All Shop Drawings will co	mply with Itam 501								

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

Additional Description of Required Work and Special Provisions:

- 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 <u>Bridge Design Manual Section 301.4Bridge Design Manual Section 303</u>
- 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 Section 302.1.4.3 Bridge Design Manual Section 306.1.2 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).
 - 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.
 - 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.
 - 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 Section 302.1.4.3 Bridge Design Manual Section 306.1.2 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	g Stri	ucture D	ata:								
	Leng	gth:		156.12' ±							
	Widt	th o/o:		62'-4"±							
	Desi	gn Loadi	ng:	HS20							
	Туре	: :				ntinuous	Steel B	eam with	Reinfor	ced Cond	crete Deck &
				Substruct							
	Spar			75'-6" ±							
	Date	Built:		1964± / F	Rehab	ilitated 1	989				
Alignmo	ent 8	t Profile	:								
		nment:	\boxtimes	Existing		Relocate	ed 🗌	By ODOT	\boxtimes	By DBT	
	Prof	ile:		Existing		Relocate	ed 🗌	Feathered By ODOT	d (Adjus	stment) By DBT	
Investig	gate t	:he need	for P	refabricat	ed St	ructure:	☐ Yes	⊠ No			
Investig	gate t	:he need	for R	Retaining W	/alls:	☐ Yes	⊠ No				
				provide fo ing the dat		ion inves	igation.	If field info	rmatio	n is requir	ed the DBT will
All Sho j	p Dra	ı wings w	ill co	mply with	ltem !	501.					
Additio	nal D	escription	on of I	Required W	ork a	nd Specia	l Provisio	ons:			
		Concrete									
				ck: Seal w	ith Gr	avity Fed	Resin				
								oresent) and	l Seal a	s per the	Bridge Design
								ial Section 3			
											ne remainder.
								esent) and S			
					he to	ps of the	Pier Cap	s using Epox	y-Ureth	nane Seale	er .
		Superstr				· •		C	(D		Ch. L.L.
								Sensitive A			
								Bridge Deck)			chment F for
											an estimated
				nas been pr				ade on a un	it cost i	basis and i	an estimated
								eats Draina	ge Syst	ems (if nr	esent), and
				nts as per				Jaco, Diama	Sc Jyst	cs (ii pi	escric,, and
				cture Stee							
								or as per CA	۸S 514.2	22.	
								atched and			l patching.
											d quantity has

ATTACHMENT A ADDENDUM 42 Page 39

7. Refurbish all Bearings at the Rear and Forward Abutments

6. Remove and replace the Expansion Joint Strip Seals at the Forward and Rear Approach

8. Remove the existing Vandal Protection Fence and install new Vandal Protection Fence

been provided in the Proposal.

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 Dat	ta:							
Length:	167	7.33' ±						
Width o/o:		ries						
Design Loading								
Type:			n Plat	te Girder wi	th Reir	forced Cond	crete D	eck & Substructure
Spans:	16	5'-2" ±						
Date Built:	20	18±						
Alimamant & Duafilas								
Alignment & Profile:		icting		Relocated		By ODOT		D., DDT
Alignment:	⊠ Exi	isting	Ш	Relocated	Ш	ву ОБОТ	\boxtimes	By DBT
Profile:	⊠ Exi	isting		Relocated	П	Feathered	(Adius	tment)
T TOTAL T		50.115		netocated	Ħ	By ODOT		By DBT
						,		•
Investigate the need for	or Prefa	bricate	d Str	ucture:] Yes	⊠ No		
Investigate the need for	or Retai	ning Wa	alls:	☐ Yes ▷] No			
The Department will N	IOT prov	vide fou	ndati	on investiga	tion.	If field infor	mation	n is required the DBT will
be responsible for coll	•							
All Shop Drawings will	l comply	/ with It	em 5	01.				
Additional Description	of Bogs	iirad Wa	ark ar	nd Consist D	covicio	25.		
Additional Description A. Concrete S		illed wc	JIK ai	iu special Pi	0412101	15.		
	_	Soal wit	th Sal	uble Reacti	o Silic	ato (CDC)		
							d incta	ıll new Structure
								ent F for Plan Note]
C. Prior to th	e start (of const	ructio	on and at th	e comp	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]

1 1 245 421										
Length: 215.43' ±	215.43' ±									
Width o/o: Varies										
Design Loading: HL93	HL93									
Type: Three Span Continuous Steel Beam with Reinforced Concrete Dec	k &									
Substructure										
Spans: 64'-0" ± 80'-0"± 81'-81/4"±										
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 Prefabricated Structure :										
Investigate the need for Retaining Walls : \square Yes \boxtimes No										
The Department will NOT provide foundation investigation. If field information is required the DB	Will									
be responsible for collecting the data.										
All Shop Drawings will comply with Item 501.										
Additional Description of Required Work and Special Provisions: A. Concrete Sealing										

- 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]

Existin	g Structure Da	ata:											
	Length:		247.10' ±										
	Width o/o:	_	33'-4"±										
	Design Loadin	ng:	HS20										
	Type:	_	Three Sp	an Co	ontinuous St	eel B	eam with I	Reinfor	ced Concret	e Deck &			
			Substruct	bstructure									
	Spans:	_	67'-0" ± -	91 '	-6"± 86'-4	4 5/16	"±						
	Date Built:	-	2018±										
		_											
Alignm	ent & Profile:												
	Alignment:	\boxtimes	Existing		Relocated		By ODOT	\boxtimes	By DBT				
	Profile:	\boxtimes	Existing		Relocated		Feathered		,				
						Ш	By ODOT	\boxtimes	By DBT				
Investi	gate the need	for Pr	efabricate	ed Str	ucture: 🗌	Yes	⊠ No						
Investi	gate the need	for R e	etaining W	alls:	☐ Yes 区] No							
	partment will onsible for col				ion investiga	tion.	If field infor	matior	is required t	he DBT will			
All Sho	p Drawings wi	ll con	nply with I	tem 5	01.								
Additio	nal Description A. Concrete 1. Bridg	Seali	ng		nd Special Pr luble Reactiv								

- 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]

Existin	g Structure Da	ata:									
	Length:		209.77' ±								
	Width o/o:	•	45'-4"±								
	Design Loadir	ng:	HL93								
	Type:		Three Sp	an C	ontinuous St	eel B	eam with	Reinfo	rced Concre	te Deck &	
			Substruct	ure							
	Spans:	•	62'-3 9/1	6" ± -	77'-10 7/1	6"±	- 67'-5 9/16)"±			
	Date Built:		2018±								
Alignm	ent & Profile:			_							
	Alignment:	\boxtimes	Existing	Ш	Relocated	Ш	By ODOT	\boxtimes	By DBT		
	Profile:	\boxtimes	Existing		Relocated		Feathered	(Adius	stment)		
	Tronic.		LAISCHIS	Ш	netocated	Ħ	By ODOT	` -	By DBT		
							,		,		
Investi	gate the need	for P	refabricate	ed Str	ructure:	Yes	⊠ No				
Investi	gate the need	for R	etaining W	alls:	□Yes ⊠	No					
	sace the need		•••••••	u							
The De	partment will	NOT	provide foi	ındat	ion investiga	tion.	If field infor	matio	n is required	the DBT will	
be resp	onsible for co	llecti	ng the data	à.							
All Sho	p Drawings wi	ill cor	mply with I	tem 5	501.						
Additio	nal Description A. Concrete	Seali	ing		nd Special Pr Iuble Reactiv						

- 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 Structure Data:									
	330.29' ±								
Width o/o: 5	55'-7"±								
Design Loading: H	HL93								
	Three Span Continuous Plate Girder with Reinforced Concrete Deck &								
	Substructure								
	96'-1 7/8" ± 101'-10 5/8"± 114'-11"±								
	2018±								
Date Duitt	.0101								
Alignment & Profile:									
<u> </u>	Existing Relocated By ODOT By DBT								
Atigninent.	Existing Relocated By ODOT By DBT								
Drofiles 🕅 E	Syisting Delegated Destroy (Adjustment)								
Profile: 🛛 E	Existing Relocated Feathered (Adjustment)								
	☐ By ODOT ⊠ By DBT								
Investigate the need for Pre f	·fabricated Structure: \square Yes \square No								
Investigate the need for Reta	aining Walls: 🔲 Yes 🔛 No								
	ovide foundation investigation. If field information is required the DBT will								
be responsible for collecting	g the data.								
All Shop Drawings will comp	oly with Item 501.								
Additional Description of Rec	quired Work and Special Provisions:								
A. Concrete Sealing	g								
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]

Existing	Structure Da	ıta:									
_	Length:		261.04' ±								
	Width o/o:	_	51'-0"±								
	Design Loadin	g: -	HL93								
	Type:	-	Two Spar	n Cor	ntinuous Ste	el Be	am with R	einfor	ced Concre	te Deck &	
	7 F		Substructi								
	Spans: 111'-6" ± 147'-1"±										
	Date Built: 2018±										
	Date Baite.	-	2010:								
Alianme	ent & Profile:										
_	Alignment:	\boxtimes	Existing		Relocated		By ODOT	\boxtimes	By DBT		
	Profile:	\boxtimes	Existing		Relocated		Feathered By ODOT		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 investiga	tion. I	f field infor	matior	n is required	the DBT will	
All Sho p	Drawings wi	ll con	nply with I	tem 5	01.						
	nal Descriptior A. Concrete 1. Bridge	Seali	ng		nd Special Pr						

- 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	n Cor	ntinuous Ste	el Be	am with I	Reinfor	ced Concre	te Decl	< &
			Substructi	ure							
	Spans:	-	91'-2" ± -		-5"±						
	Date Built:	-	2018±								
		_									
Alignm	ent & Profile:										
	Alignment:	\boxtimes	Existing		Relocated		By ODOT	\boxtimes	By DBT		
	Profile:		Existing		Relocated		Feathered By ODOT	(Adjus	stment) By DBT		
Investi	gate the need	for Pı	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 info	rmatio	n is required	l the DB1	Γwill
All Sho	p Drawings wi	ill con	nply with I	tem 5	01.						
Additio	nal Descriptio A. Concrete		•	ork ar	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]

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:

Existin	g Structure Da	ata:								
	Length:		171'-1 ¼'	, ±						
	Width o/o:	-	9'-6"±							
	Design Loadin	ng:	85 PSF							
	Type:	•	Two Spai	n Coi	ntinuous Ste	el Be	am with F	Reinfor	ced Concret	e Deck &
Substructure										
	Spans:	-	84'-10 1/2'	' ±	84'-10 ½"±					
	Date Built:	•	1964± / R	ehabi	litated 1983:	±, 200	5±			
		-								
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 ı	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	mation	is required	the DBT will
be resp	onsible for co	llectii	ng the data	a.						
۸۱۱ Sho	p Drawings wi	II cor	nnly with I	tem 5	.Ω1					
A((3110	P DI GWIII 183 WI		iipty With i	teili J	01.					
					16 15					

Additional Description of Required Work and Special Provisions:

- 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 Section 302.1.4.3 Bridge Design Manual Section 306.1.2 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:

Existing Structure Data:

	Len	gth:		354.42' ±						
	Wid	th o/o:		Varies						
	Des	ign Loadi	ng:	HS20						
	Тур	e:		Four Spa	n Co	ntinuous Ste	el Gi	rder with	Reinfo	rced Concrete Deck &
				Substruct	ure					
	Spa	ns:		84'-2 ¾"	± '	104'-4 13/16	"±	96'-1 11/16	"± (63'-8 ½"±
	Date	e Built:		1964± / R	ehabi	ilitated 1990				
Alignm	ent 8	t Profile:	;							
	Alig	nment:	\boxtimes	Existing		Relocated		By ODOT		By DBT
	Pro	file:	\boxtimes	Existing		Relocated		Feathered	` -	•
								By ODOT	\boxtimes	By DBT
Investig	gate	the need	for P	refabricat	ed Sti	ructure:	Yes	⊠ No		
Investig	gate	the need	for R	etaining W	alls:	☐ Yes ⊠] No			
				provide for		ion investiga	tion.	If field info	rmatio	n is required the DBT will
All Sho _l	p Dra	awings w	ill coı	mply with I	tem 5	501.				
Additio	nal [escriptio	n of I	Required W	ork a	nd Special Pr	ovisio	ns:		
	Α.	Concrete								
										s per the Bridge Design
							Manu	al Section 3	06.1.2 I	Bridge Design Manual
				ky-Urethan			(: c	t\d C	1-11	
						ps of the Pie				exposed concrete
	R	Superstru			ne to	ps of the Fie	Caps	using Lpox	/-oreci	ialie seatei
	υ.				elami	nation over 9	Safety	Sensitive A	reas (P	avement, Shoulders,
										t patch these areas.
										er to Attachment F for
										basis and an estimated
						d in the Prop				
								ach Slabs ai	nd repl	ace with a new Micro-

- installed on this Structure as detailed in Attachment K to the Scope of Services.

 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

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

- 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 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]

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

Existing Structure Data:

	Length: 466.98' ±										
	Width	o/o:		Varies							
	Design	Loadin	g:	HS20							
	Type:		_	Five Spar	n Cor	ntinuous Ste	el Gir	der with F	Reinfor	ced Concrete	Deck &
			_	Substruct							
	Spans:					± 102'-9	5/8"±	71'-7 1	3/16"±	± 105'-3 15	/16"±
	•		_	91'-0 1/8							
	Date B	uilt:	_	1964± / R	ehabi	litated 1990					
Alignme	ont & D	rofilo									
	Alignm		\boxtimes	Existing		Relocated		By ODOT	\boxtimes	By DBT	
	Profile	:	\boxtimes	Existing		Relocated		Feathered By ODOT	(Adjus	stment) By DBT	
Investig	ate the	need f	or Pı	efabricate	ed Str	ucture: 🗌	Yes	⊠ No			
Investig	ate the	need f	or R	etaining W	alls:	☐ Yes 🗵	No				
				provide fou ng the data		on investiga	tion. I	f field infor	matior	n is required th	e DBT wil
All Shop	o Drawi	ngs wil	l con	nply with I	tem 5	01.					
Addition	nal Desc	cription	of R	equired W	ork ar	nd Special Pr	ovision	ıs:			
	A. Coi					.a opcolar					
	1.	Super	struc	ture: Rem						s per the Bridg e	
							Manua	l Section 30)6.1.2 E	Bridge Design N	<u>lanual</u>
				y-Urethane							
	2.									exposed concre	ete
	ъ с			•	he top	os of the Pie	Caps	using Epoxy	-Ureth	iane Sealer	
		perstru			ن مدردا. - ا	aatian ayaa C	- f - t - 1	·	(D		الماميية
	1.									avement, Shou t patch these a	

- 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.
- 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 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]

Existin	g Structur	e vata:									
	Length:		62.44' ±								
	Width o/o):	68'-5"								
	Design Lo	ading:	HS20								
	Type:		Single Sp	an C	ontinuous	Steel E	Beam wit	th Reinfo	orced	Concrete	Deck &
			Substruct	ure							
	Spans:		57'-0 1/8	" ±							
	Date Built	:	1964± / R	Rehabi	litated 197	9±, 199	2±				
Alignm	ent & Prof	ile:									
.5	Alignment		Existing		Relocated		By ODC	T 🖂	Ву [DBT	
	Profile:	\boxtimes	Existing		Relocated			red (Adju			
						Ш	By ODC	T 🖂	Ву [ואט	
Investi	gate the ne	ed for F	refabricat	ed Sti	ructure: [Yes	⊠ No				
Investi	gate the ne	ed for F	Retaining W	/alls:	☐ Yes [⊠ No					
					ion investig	ation.	If field in	nformatio	n is re	equired th	e DBT wil
be resp	onsible for	collect	ing the dat	a.							
All Sho	p Drawing	s will co	mply with I	tem 5	501.						
Additio	nal Descrip	tion of	Required W	ork a	nd Special I	Provisio	ns:				
	A. Concr				•						
	1. B	ridge De	ck and App	roach	es: Seal wi	th Grav	ity Fed F	Resin			
	2. St		cture: Ren	nove e	existing sea	er (if p	resent) a	ınd Seal a	as per	the Bridge	e Design
	M	anual Sc	ection 302.	1.4.3 <u>B</u>	Iridge Desig	n Manu	al Sectio	n 306.1.2	Bridge	e Design <i>N</i>	<u>lanual</u>
	u:	sing Epo	xy-Urethan	e Seal	ler						
	3. St	ubstruct	ure: Remo	ve exi	sting seale	(if pre	esent) and	d Seal all	expos	sed concre	ete
				he to	ps of the Pi	er Caps	using Ep	oxy-Uret	.hane :	Sealer	
		structur									
					nation over						
					Floor (botto						
					ler to the a						
					nis work wi		ade on a	unit cost	basis	and an es	timated
		-	nas been pr	ovide	d in the Pro	posal.					
	C. Substi	ructure									

- 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]

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:

Existin	g Structure Da	ata:								
	Length:	_	206'-¼" ±	:						
	Width o/o:		18'-2 ½"±							
	Design Loadin	ng:	CF130							
	Type:		Simple Er	nd Sp	ans, Continu	ious M	Nid Spans -	Steel	Beam with Reinf	orced
		_			& Substructu					
	Spans:	_			6"± 24'-0		24'-0"±			
	Date Built:	_	1964± / R	ehabi	litated 2015	±				
Alignm	ent & Profile:			_						
	Alignment:	\boxtimes	Existing	Ш	Relocated	Ш	By ODOT	\boxtimes	By DBT	
	Profile:	\boxtimes	Existing		Relocated		Feathered By ODOT	(Adjus	tment) By DBT	
Investi	gate the need	for P ı	refabricate	ed Str	ucture: 🗌	Yes	⊠ No			
Investi	gate the need	for R	etaining W	alls:	☐ Yes ⊠] No				
	partment will onsible for col				ion investiga	tion.	If field infor	mation	is required the D	BT will
All Sho	p Drawings wi	ill con	nply with I	tem 5	01.					

Additional Description of Required Work and Special Provisions:

- 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 Section 302.1.4.3 Bridge Design Manual Section 306.1.2 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]

Existing 5	tructure D	ata:								
Le	ngth:		206.29' ±							
W.	idth o/o:		Varies							
De	esign Loadir	ng:	HS20							
Ту	pe:		Three Sp	an C	ontinuous St	teel B	eam with	Reinfo	rced Concrete	Deck &
			Substruct	ure						
	ans:				34'-0 3/8"± -		-3 9/16"±			
Da	ite Built:		1964± / R	ehabi	litated 1990	±				
Alianment	& Profile:									
	ignment:	\boxtimes	Existing		Relocated		By ODOT	\boxtimes	By DBT	
Pr	ofile:		Existing		Relocated		Feathered By ODOT	(Adju	stment) By DBT	
Investigate	e the need	for P	refabricate	ed Sti	ructure:	Yes	⊠ No			
Investigate	e the need	for R	etaining W	alls:	☐ Yes 🗵] No				
•	tment will sible for co		•		ion investiga	tion.	If field info	rmatio	n is required the	DBT wil
All Shop D	rawings wi	ill co	mply with I	tem 5	501.					
Additional	Descriptio	n of l	Required W	ork a	nd Special Pr	ovisio	ns:			
A.	Concrete									
									s per the <mark>Bridge</mark> Bridge Design Ma	
			ky-Urethan							
									exposed concrete	5
_				he to	ps of the Pie	r Caps	using Epoxy	y-Uretl	nane Sealer	
В.	Superstru						.	(5		
									avement, Should	
									t patch these are	
	Appıy	/ ∟bo	xy-urethan	e sea	ier to the ar	eas of	the remova	เร [หet	er to Attachmen	t r tor

- 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
 - 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 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]

Existing	Structure D	ata:									
	Length:		202.30'±								
	Width o/o:		Varies								
	Design Loadi	ng:	HS20								
	Type:		Four Spa	n Co	ntinuous St	eel Be	eam with	Reinfo	rced Concre	ete Deck &	:
			Substruct								
	Spans:		57'-10 7/	8" ± -	82'-4 15 /1	6"±	- 57'-4 15/	16"±			
	Date Built:		1964± / R	lehabi	litated 1990	±					
Alignme	ent & Profile	:									
_	Alignment:		Existing		Relocated		By ODOT		By DBT		
	Profile:		Existing		Relocated		Feathered By ODOT	l (Adju: ⊠	stment) By DBT		
Investig	ate the need	for P	refabricate	ed Str	ucture:	Yes	⊠ No				
Investig	ate the need	for R	etaining W	/alls:	☐ Yes 🗵] No					
	oartment will onsible for co		•		ion investiga	tion.	If field info	rmatio	n is required	d the DBT wi	U
All Sho p	Drawings w	ill co	mply with I	tem 5	i01.						
	nal Description		•	ork a	nd Special Pi	ovisio	ns:				
	Manı	ual Se	ction 302.1	1.4.3 <u>B</u>	existing seale ridge Design						
	•		ky-Urethan			_					
					sting sealer					ıcrete	
	surta	aces e	xcept for t	ne to	ps of the Pie	r caps	using Epox	y-uretr	nane 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 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 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	g Struct	ure Da	ita:										
	Length:			162.86'±									
	Width o	o/o:		42'-8"±									
	Design	Loadin	g:	HS20									
	Type:		_	Two Spa	n Co	ntinuous S	teel B	eam with	Reinfo	rced	Concrete	Deck	&
				Substruct	ure								
	Spans:			78'-9" ± -		-9"±							
	Date Bu	uilt:	-	1964± / R	ehabi	litated 198	6±						
Alignme	ant & Di	rofile											
Augillik	Alignm		\boxtimes	Existing		Relocated	1 🗆	By ODO	Г 🖂	Ву [DBT		
	Profile:	:		Existing		Relocated		Feather By ODO	ed (Adju Γ ⊠		nt) DBT		
Investig	ate the	need 1	for P	refabricate	ed Stı	ructure:	Yes	⊠ No					
Investig	ate the	need 1	for R	etaining W	/alls:	☐ Yes	⊠ No						
				provide for ng the data		ion investi	gation.	If field in	formatio	n is r	equired th	ie DBT	wil
All Sho r	p Drawi	ngs wi	ll cor	mply with I	tem 5	501.							
Additio				Required W	ork a	nd Special	Provisio	ons:					
	A. Cor			-									
	1.			ture: Rem									n
				ction 302.1									
				Epoxy Seal									r.
	2.			ıre: Remo								ete:	
				xcept for t	he to	ps of the P	ier Caps	s using Epo	xy-Uret	nane	Sealer		
	B. Sup						.	c	. (5				
	1.			oalls and D									
				etc.) fron									
				xy-Urethan									
				l. Payment				aue on a u	nit cost	Dasis	and an es	timate	J
	2.			as been pr ne existing				e and inst	all new \	/anda	l Protecti	on Fen	_
	۷.	INCITIO	* C LI	וכ כאוטנוווצ	v and	4. I I ULECLI	711 I CIIC	c and mist	att HEVY	, ai iua		711 I CIK	

- 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.

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

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]

visual hardware will be coated Black (Federal Color No. 27038)

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:

Lengtn: Width o/o:					156.76° ± 119'-0" ±						
					HS20						
		_	Loadir	ıg.		C	ontinuous Ct	ool D	oom with	Doinfo	read Constate Dock G
	Тур	be:					ontinuous St	eet b	eam with	Reinioi	rced Concrete Deck &
	C				Substruct		22. 442	· " .			
		ans:	.214.				-3"± 44'-				
	νa	te Bu	ntt:		1964± / R	enab	litated 1989:	<u> </u>			
Alignm	ent	& Pr	ofile:								
J		gnme		\boxtimes	Existing		Relocated		By ODOT	\boxtimes	By DBT
	Pro	ofile:		\boxtimes	Existing		Relocated		Feathered By ODOT	(Adjus	stment) By DBT
Investig	gate	the	need	for P	refabricat	ed Sti	ructure: 🗌	Yes	⊠ No		
Investig	gate	the	need	for R	etaining W	/alls:	☐ Yes 🗵] No			
					provide for ng the data		ion investiga	tion.	If field infor	mation	n is required the DBT will
All Sho	p Dı	awir	ngs wi	ll coi	mply with I	tem 5	501.				
Additio	nal	Desc	riptio	n of F	Required W	ork a	nd Special Pr	ovisio	ns:		
	A.	Con	icrete	Seal	ing		•				
		1.	Super	struc	cture: Rem	nove e	existing seale	r (if p	resent) and	Seal as	s per the Bridge Design
								Manu	al Section 30)6.1.2 E	<u> Bridge Design Manual</u>
					ky-Urethan						
		2.									exposed concrete
						he to	ps of the Pie	r Caps	using Epoxy	∕-Ureth	ıane Sealer
	В.		erstru				_				
		1.									avement, Shoulders,
											t patch these areas.
											er to Attachment F for
									ide on a unit	cost t	oasis and an estimated
		2					d in the Prop			S	. forma Doddina Dool oo l
		۷.									r from Bridge Deck and everlay matching the

3. Remove and replace the Expansion Joint Strip Seals at the Forward and Rear Approach

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

C. Substructure

roadway.

Existing Structure Data:

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:

	ngtn: idth o/o:	157.08° ± 119'-0" ±						
	esign Loadir							
	pe:	Three Span Continuous Steel Beam with Reinforced Concrete	Deck &					
.,	pc.	Substructure	Dec. a					
Sp	ans:	44'-6" ± 63'-7"± 44'-6"±						
	ite Built:	1964± / Rehabilitated 1989±						
Alianment	& Profile:							
	ignment:	⊠ Existing □ Relocated □ By ODOT ⊠ By DBT						
Pro	ofile:	☑ Existing ☐ Relocated ☐ Feathered (Adjustment) ☐ By ODOT ☑ By DBT						
Investigate	e the need	r Prefabricated Structure : Yes No						
Investigate	e the need	r Retaining Walls : Yes 🔀 No						
		OT provide foundation investigation. If field information is required thecting the data.	e DBT wil					
All Shop D	rawings wi	comply with Item 501.						
Additional	Description	of Required Work and Special Provisions:						
	Concrete							
		ructure: Remove existing sealer (if present) and Seal as per the Bridge						
		Section 302.1.4.3 Bridge Design Manual Section 306.1.2 Bridge Design M	<u>lanual</u>					
		poxy-Urethane Sealer						
		icture: Remove existing sealer (if present) and Seal all exposed concre	ete					
D	Superstru	es except for the tops of the Pier Caps using Epoxy-Urethane Sealer						
υ.		e Spalls and Delamination over Safety Sensitive Areas (Pavement, Shou	lders					
		lks, etc.) from the Floor (bottom of Bridge Deck), do not patch these a						
		poxy-Urethane Sealer to the areas of the removals [Refer to Attachme						
		ote]. Payment for this work will be made on a unit cost basis and an est						
		y has been provided in the Proposal.						
		e existing Concrete Overlay and existing Asphalt Overlay from Bridge D						
		ch Slabs and replace with a new Micro-Silica Concrete Overlay matchin						
		levation of existing Concrete Overlay the per Supplemental Specification 848						
		to Attachment F for Plan Note]. Payment for Hand Chipping, Full Dept riable Thickness (Material Only) will be made on a unit cost basis and a						

3. Remove and replace the Expansion Joint Strip Seals at the Forward and Rear Approach

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

- 4. Refurbish all Bearings at the Rear and Forward Abutments
- C. Substructure

roadway.

Existing Structure Data:

- 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:	-			ntinuous Rol	led B	eam with	Reinfo	rced Concrete	e Deck &
			Substructi							
	Spans:	-	73'-6"±		6"±					
	Date Built:	-	1964±							
		-								
Alignm	ent & Profile:									
.	Alignment:	\boxtimes	Existing		Relocated		By ODOT	\boxtimes	By DBT	
	Profile:	\boxtimes	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	etaining W	alls:	☐ Yes 🗵] No				
	partment will oonsible for co				ion investiga	tion.	If field info	rmatio	n is required t	he DBT will
All Sho	p Drawings wi	ill con	nply with I	tem 5	01.					
Additio	nal Description A. Concrete 1. Super	Seali	ng		•			Seal as	s per the Brid e	ge Design

- Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design Manual Section 302.1.4.3 Bridge Design Manual Section 306.1.2 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. Remove existing Cathodic Protection System, this includes disconnecting the power service, removal of cabinet, conduit, wiring, etc.

- 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]

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

Existin	g Structure Da	ata:									
	Length:		158.00' ±								
	Width o/o:		60'-8"±								
	Design Loadir	ng:	CF400(57))							
	Type:		Two Spar	n Cor	ntinuous Rol	led B	eam with	Reinfor	ced Concre	ete Deck	< €t
			Substruct	ure							
	Spans:		73'-6"±	- 73'-	6"±						
	Date Built:		1964±								
		•									
Alignm	ent & Profile:	:									
	Alignment:	\boxtimes	Existing		Relocated		By ODOT	\boxtimes	By DBT		
				_							
	Profile:	\boxtimes	Existing	Ш	Relocated	Ц	Feathered	`	,		
						Ш	By ODOT	\boxtimes	By DBT		
						.,					
Investi	gate the need	tor P	refabricate	ed Str	ucture: 📋	Yes	No				
		£ D		r_ 11	□ v □	1 11-					
investi	gate the need	tor K	etaining w	alls:	∐ Yes ⊠	No					
The De	partment will	NOT	provido foi	ındət	ion invoction	tion	If field info	rmation	is roquiros	t tha DRT	النبيد
	onsible for co		•		ion investiga	tion.	ii iieta iiiioi	matioi	i is required	ו מש אווו נ	WILL
ne resp	onsible for co	шесп	ing the date	.							
ΔII Sho	p Drawings wi	ill cor	nnly with I	tem 5	01						
A((5110	p brawings w	itt coi	iipty Withii	cciii 3	.01.						
Additio	nal Descriptio	n of F	Required W	ork a	nd Special Pr	ovisio	ns:				
			1	•							

- A. Concrete Sealing
 - Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design Manual Section 302.1.4.3 Bridge Design Manual Section 306.1.2 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]

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 Prefabricated Structure :
<u>_</u>
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.
Additional Description of Required Work and Special Provisions:
A. Concrete Sealing
 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 Coction 202 1 4 2 Pridgo Docign Manual Coction 206 1 2 Pridgo Docign Manual

- Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design Manual Section 302.1.4.3 Bridge Design Manual Section 306.1.2 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]

Existing S	tructure Da	ta:								
Le	ength:	_	162.63' ±							
W	idth o/o:	_	Varies							
De	esign Loadin	g:	HS20							
Ty	ype:		Three Spa	an Co	ontinuous St	eel B	eam with I	Reinfor	ced Concrete	Deck &
		_	Substructu	ıre						
Sp	oans:		45'-0" ±	58'	-0"± 40'-0)"±				
Da	ate Built:	_	1964± / Re	ehabi	litated 1990±	:				
Alignmen	t & Profile:									
Al	ignment:	\boxtimes	Existing		Relocated		By ODOT	\boxtimes	By DBT	
Pr	ofile:	\boxtimes	Existing	П	Relocated		Feathered	(Adius	tment)	
							By ODOT		By DBT	
Investigat	e the need f	or Pr	efabricate	d Str	ucture: 🗌	Yes	⊠ No			
Investigat	e the need f	or Re	etaining W	alls:	☐ Yes ⊠	No				
	rtment will I sible for col				on investiga	tion.	f field infor	mation	is required th	ne DBT will
All Shop [Orawings wil	l con	nply with It	em 5	01.					
Additional	l Description	of R	eguired Wo	ork ar	nd Special Pr	ovisio	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 Section 302.1.4.3 Bridge Design Manual Section 306.1.2 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]

Existing	Structure Da	ata:								
_	Length:	_	148.58' ±							
	Width o/o:		Varies							
	Design Loadin	ıg: ¯	HS20							
	Type:	-	Three Spa	an Co	ontinuous St	eel B	eam with	Reinfor	ced Concret	e Deck &
		_	Substructi	ıre						
	Spans:	-	42'-0" ± -	60'	-0"± 42'-()"±				
	Date Built:	_	1964± / R	ehabi	litated 1990±	Ŀ				
Alignme	ent & Profile:									
_	Alignment:	\boxtimes	Existing		Relocated		By ODOT	\boxtimes	By DBT	
	Profile:		Existing		Relocated		Feathered By ODOT	(Adjus	stment) By DBT	
Investig	ate the need	for Pr	efabricate	ed Str	ucture: 🗌	Yes	⊠ No			
Investig	ate the need	for R e	etaining W	alls:	☐ Yes ⊠] No				
	oartment will onsible for col				on investiga	tion. I	f field infor	mation	n is required t	he DBT will:
All Sho p	Drawings wi	ll con	nply with It	tem 5	01.					
	nal Description A. Concrete		•	ork ar	nd Special Pr	ovisior	ns:			

- 1. Bridge Deck: Seal with Gravity Fed Resin
- 2. Superstructure: Remove existing sealer (if present) and Seal as per the Bridge Design Manual Section 302.1.4.3 Bridge Design Manual Section 306.1.2 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 at the Rear and Forward Abutments
 - 5. Replace the missing Cross Frame
- 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 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:		•		ntinuous Ste	el Be	am with F	Reinfor	ced Concret	e Deck &
			Substruct							
	Spans:		61'-6" ± -							
	Date Built:	_	1964± / R	ehabi	litated 1987:	<u> </u>				
Alignm	ent & Profile: Alignment:	\boxtimes	Existing		Relocated		By ODOT	\boxtimes	By DBT	
	Profile:		Existing		Relocated		Feathered By ODOT		tment) By DBT	
Investi	gate the need	for P ı	refabricate	ed Str	ucture: 🗌	Yes	⊠ No			
Investi	gate the need	for R	etaining W	alls:	☐ Yes 🗵] No				
	partment will onsible for co		•		ion investiga	tion.	If field infor	mation	is required	the DBT will
All Sho	p Drawings wi	ill cor	nply with I	tem 5	01.					

Additional Description of Required Work and Special Provisions:

- 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]