

DATE: February 16, 2021

TO: File

FROM: Joe Brutsché, Project Management Division

SUBJECT: J/P 29571(04) McClain Co. SH-74 at I-35 Interchange

Preliminary Engineering – Alternative Analysis (scope background)

A virtual scoping/planning meeting was held on Wednesday, September 16, 2020 at 8:30am via Microsoft Teams to discuss the project intent and the design efforts and schedule going forward.

Meeting Attendee list:

Ron Brown – District 3
Luis Malave – Purcell Residency
Matthew Helton – Wewoka Residency
George Mallett – Dist. 3 Bridge
Caleb Austin – Roadway Design
Eduardo Elder – Roadway Design
Steven Bowen – Roadway Design
Ben Mazloompour – Roadway Design
Dustin Powell – Roadway Design
Danna Hogan – Roadway Design
Joe Brutsché – Project Management Div.

Lauren Ludwig – Traffic E&O Division Samuel Hardin – Traffic E&O Division Carissa Russell – Roadway Design Kamber Norman – Roadway Design Amanda Alexander– Environmental Div. Alex Peta – Environmental Div. Brandy Moore – R/W & Utilities Division Derrick Anderson – Survey Division Steve Jacobi – Bridge Division Justin Hernandez– Bridge Division Roland Sison – Bridge Division

The following items were discussed:

Overview and Background –

Project J/P 23283(04) (designed in-house) was let to construction in 2019 and is currently under construction.

This project consisted of interchange modifications with the addition of an I-35 SB exit ramp to SH-74 and modification to the I-35 NB exit/entrance ramp with the addition of a roundabout at Adkins Hill Rd and Airport Rd. The existing SH-74 bridge over I-35 was rehabbed as part of this project.

Existing Program –

Recently this project J/P 29571(04) was evaluated for rehabilitation and under contract with CEC.

That project was cancelled in 2018 because it was clear that the existing skewed bridge will need full replacement. Until recently was programmed as a bridge and approaches on SH-74, with the intent to replace the skewed SH-74 bridge over I-35. In 2019 Roadway geometrics produced 3 potential ultimate interchange alternatives. At this time a preliminary AJR analysis was performed.



Scope Discussion and Action Plan -

It has been decided that a preliminary engineering/alternatives analysis will be needed to determine a preferred design solution.

Traffic Division Planning and Analytics Branch will begin data collection which can be provided for the development of the preliminary engineering study/alternatives analysis

The PE Study will consist of:

 At minimum 2 alternatives with bridge skew between 0° and 30° which are compatible with the J/P 23283(04) design, and plan for an ultimate 6-lane I-35 with median and widened to the outside.

Cost comparison for a replacement bridge options at skew between 0° and 30°

Cost comparison of the Roadway and Traffic improvements

- Emphasis will need to be on the constructability of each alternative, factoring in the elevations and roadway tie-in points to achieve the required span length and bridge clearance over I-35
- Impact Matrix comparing of R/W, utility and Environmental impacts between the alternatives
- District 3 asked that the analysis plan for construction phasing of each alternative.
 - The project has been modified in the program from Bridge and Approaches to an Interchange.

The project schedule and programming estimate will be revised after the analysis and selection of the preferred alternative.

Environmental and Public Involvement –

As this is an interchange modification, it will require public involvement to present the alternative analysis, preferred alternative and the access change.

This could be a good candidate for Virtual Public Involvement (VPI) and EPD can do the VPI either after the completion of alternative analysis if District 3 is looking for public input in the selection of preferred alternative, or after 60% if District 3 is looking to present the proposed design with the environmental impacts.

Likely environmental impacts with the interchange modifications are:

- Access change
- Noise 0
- Possible business relocations
- Possible hazardous waste issues
- EPD will have to wait for 30% plans to perform noise analysis, and won't be able to present the noise impacts if we are doing the VPI prior to 60% plans. The NEPA document will likely be Documented Categorical Exclusion (DCE) because it
- is an interchange modification instead of just a bridge replacement.
- EPD will wait until the preliminary analysis is complete before task ordering NEPA and Public Involvement to a consultant or to include them with design solicitation if ODOT opts to solicit design after the completion of the alternative analysis.

Oklahoma Dept. of Transportation - Bridge Inspection Report

NBI No.:	Structu	re No.:	ocal ID:	Suff. Ra	ating:	
14496	4405 22		-1	49.		SD
Bridge Description: <u>IDEN</u>	TIFICATION			INSPE	CTION	
50ft.(2-83ft. CONT.)50ft. I-BM. SPANS	SK 37 DEG 11	ft 48ft WITH 2-18ft	Type Insp. Req		req. Insp. Da	
SC	OK. Of BEG. TH	it. Fort. WITH 2 Tole.	NBI: FC: N	1 24 m	onths 8/18/202 NA	21 08/18/2023 NA
	acility Carried: S	. H. 7/	FC: N UW: N	0	NA NA	NA NA
1. State: Oklahoma 7. Fa 2. Division: Division 3 6. Fa	eat. Intersect: 1-3	35 UNDER	OS: N	0	NA	NA
3. County: MCCLAIN	9. Location: 2.	7 MI S CLEV. C/L		CLASSIF	ICATION	
4. City: GOLDSBY	11. Mile Post:	24.183 mi	12.Base Hwy Net.: No			No bridge exists
Admin Area: Unknown	13. LRS Inv. /	•			102. Traffic Dir.:	2-way traffic
5a. On/Under: Route On Structure	16. Latitude:	35° 09' 11.01" 097° 28' 36.74"	21. Custodian: State		103. Temp. Str.:	Not Applicable (P)
5b. Kind of Hwy: State Hwy 5c. Lvl of Srvc: Mainline	17. Longitude:	197 26 36.74 1: Unknown (P)	22. Owner: State		104. Hwy System:	Not on NHS
5d. Route No.: 00074	% Responsible:		26. Function Class: 0		•	
5e. Dir. Sufx: N/A (NBI)	99. Border Brdg		37. Historical Sig.: No 100. Def. Hwy: Not a		110. Defense Hwy: 112. NBIS Length:	Not a STRAHNET hy
STRUCTURE T	PE AND MATER	RIALS	100. Del. Hwy. 1400		DITION	Long Enough
43a/b. Main Span:	Steel Cont. / S		58.Deck: 4 Poor	59.Sup.: 5 F		ub: 6 Satisfactory
44a/b. Appr. Span:	Steel / S	Stringer/Girder	62.Culvert: N/A (NBI			•
45. # of Main Spans: 4			Flowline Notes			·
46. # of Appr. Spans: 0	51		I-35 UNDER			
107. Deck Type: Concrete-C	ast-in-Place					
108a. Wearing Surface: Bituminous 108b Membrane: Unknown				LOAD RATING	AND POSTING	
108b. Membrane: Unknown 108c. Deck protection: Unknown			31. Design Load: N	л 18 (H 20)	Date Rated	: 11/05/2020
Too. Door protoction.				Open, no restriction		
	ND SERVICE	. 1		At/Above Legal Load		F Load Factor
19. Detour Length: 29.0 mi 27. Year Built: 1959	106. Year Reco		63.Op / 65.Inv. Rating	H	HS 3-3	EV3 SHV
28a/b. Lanes on/und: 2 / 4	109. Huck AD1	. 1070	64. Operating Rating		52.00 74.00	45.00 49.00
29. ADT: 5,400			66. Inventory Rating (```''' 	31.00 45.00	27.00
30. Year of ADT: 2019	I		, and a second of the second o	.0.10):	AISAL	
42a/b. Type of Svc on/und: Highway	/ /	Highway	36a. Brdg Rail: 1	Meets Standards	68. Deck Geom.:	4 Tolerable
GEOM	ETRIC DATA		1	Substandard	69. Vert./Horiz. Und	dclr: 4 Tolerable
10. Vert. Clearance: 99.99 ft	50a. Curb/Sdwl	k Width L: 1.64 ft		Meets Standards	71. Waterway Adeo	1: N Not applicable
32. Appr Rwy Width: 28.00 ft	50b. Curb/Sdwl		36d. Appr.Rail Ends:	1 Meets Standard		t: 7 Above Min Criteri
33. Median: No median 34. Skew: 53.00°	51. Width Curb		67. Str Evaluation:	5 Above Min Tolera	113. Scour Critical:	N Not Over Waterw
34. Skew: 53.00° 35. Struct. Flared: No flare	52. Width Out to Deck Area:			PROPOSED IM	PROVEMENTS	
47Horizontal Clr: 27.89 ft	53. Min.Vert.Cl.		94. Bridge Cost:	\$1,451,545		31 Repl-Load Capac
48. Length Max Span: 83.01 ft	54a.Min.Vt.Und		95. Roadway Cost:	\$2,395,049 \$4,064,326	76. Lngth of Improve	ement: 345.1 ft 8,640
49. Struct. Length: 271.98 ft	54b. Min. Vert.		96. Total Cost: 97. Yr.of Cost Est.:	2015	115. Yr.of Future Al	
	55a. Min.Lat.Ur		37. 11.01 GOSt Est.:		ION DATA	51
	55. Min.Lat.Und		38. Nav. Control:	NA-no waterway	ION DATA	
	OKLAHOMA		39. Vert. Clearance:	0.0 ft	111. Pier Protect.:	Unknown (NBI)
200c. Temperature: 78	ONLAHOIWA	<u></u>	40. Horiz. Clearance:	0.0 ft	116. Lift Bridge Verl	t. Clr.: 0.0 ft
200d. Weather: Cloudy 201. Struc.Stl. ASTM Desig.:	-1 / 18	214a. Posted Weight Limit:	NR	244. Span Lengths	:	
201. Struc.Str. ASTM Desig 202. Waterprf.Membrane: PETROT		b. Posted Speed Limit:	NR			
Date Installed: 01/01/190	I	c. Narrow/1way Brdg Sign:	No Yes	245. Girder Depth:		
203. Type Exp. Device: Other		d. Vertical Clr. Sign:Adv. Warning Sign:	res No	246a. Type of Ove		ıy
 204. Type of Railing: SFP-1		e. Navigation Lights?:	NA	b. Overlay Thickn		_
204. Type of Railing: SFP-1 205. Material Quantity: 1,282.00	l	Working/Not Working:	NA	c. Overlay Date: d. Ovly Depth Ch	01/01/200 anged >1"·	5 N
208a. Type of Abutment: Skeleton		9	TERSTATE	247. Protective Sys		··
	Natural Found.	218. Functionally Obsolete :	-	Membrane		
209. Type of Pier/Found.: 3 Concrete	/ No Pilina	220. Bridge Redecked	_	Monibrane		
210. Foundation Elev.: -1.00	-1.00	221. Substr.Cond.(U/W): 222. Fill Over RCB:		248. # Field Splices	s w/ Corrosion	5
-1.00 -1.00	-1.00	223. Appr.Slab/Rwy Cond.:	6	249. Scour Crit. PC		- -
211. Wear.Surf.Prot.Sys: None			organic Zinc 2Coat Sys	250. Headwall:		
Date Installed: 01/01/190	1	N/A		258. Plans w/Found		-
211c. Silane Reapplied	l	226. Date Painted: 195		259. Scour Eval. in 263. Interchange at		= Full
211d. Date :			own	264. Interstate Mile		104.65
213. Utilities Attached:		233. Deck Forming:238. School Bus Rte.: Cui	rrent & Desired route]		
		200. 0000. 200	ohalt/Bituminous			
]	243. Grdr Spacing/No.:	1			
				ı		

Oklahoma Dept. of Transportation - Bridge Inspection Report

	<u>NBI No.:</u> 14496		Structure No.: 4405 2297 X		<u>Suff. Rating:</u> 49.10	SD	
Inspection Date:	8/18/21		Adam Hill				
Invoice No.:	McClainCo2021	Inspected With:	Erik Cox				

BRIDGE NOTES:

INSPECTION NOTES: 8/18/21

#214 MINOR VEH DAMAGE TO O/P APPR FLEX. STR. IS NOW SD DUE TO THE INSP. OF THE SOFFIT. 2025 IS THE PROJECTED REPLACEMENT AS OF 2021.

0/4	Description	Unit	Total Qty	% 1	Qty. 1	% 2	Qty. 2	% 3	Qty. 3	% 4	Qty. 4
2/4	Re Concrete Deck	sq.ft	8,385.10	0%	0.00	64%	5,384.10	36%	3,001.00	0%	0.00
SEE	NOTES FOR ELEMENTS # 510 &	659.									
510 / 4	Wearing Surfaces	sq.ft	8,385.10	56%	4,716.10	44%	3,669.00	0%	0.00	0%	0.00
107 / 4	Steel Opn Girder/Beam	ft	1,030.00	0%	0.00	93%	956.00	7%	74.00	0%	0.00
LARG	SE AREAS OF MINOR (LESS THA	N 10%) SE	C LOSS TO	BOTTOM	FLANGES	NOTE N	I. BM OVER	S BD. H	AS BEEN R	EPAIRED	AFTER
VEHI	CLE DAMAGE. SPAN # 3, BM. # 5	HAS A B		E SECTION	_	LL X 4 ft.			-		
515 / 4	Steel Protective Coating	sq.ft	5,850.00	0%	0.00	0%	0.00	0%	0.00	100%	5,850.00
P	AINT HAS FAILED.								_		
205 / 4	Re Conc Column	each	9.00	89%	8.00	11%	1.00	0%	0.00	0%	0.00
-1											
215 / 4	Re Conc Abutment	ft	101.70	84%	85.30	16%	16.40	0%	0.00	0%	0.00
	MINOR SPALL W/ EXP REBAR TO										
234 / 4	Re Conc Pier Cap	ft	154.20	100%	154.20	0%	0.00	0%	0.00	0%	0.00
	NOTE FOR SMART FLAG # 971.		105.00		0.00	001	0.00	601	0.00	1000	107.05
301 / 4	Pourable Joint Seal	ft	187.00	0%	0.00	0%	0.00	0%	0.00	100%	187.00
	SEALANT HAS FAILED & NOSING			000/	10.00	740/	05.00	00/	0.00	00/	0.00
310 / 4	Elastomeric Bearing	each	35.00	29%	10.00	71%	25.00	0%	0.00	0%	0.00
	BEARINGS HAVE SOME DEFORM	ATION, TH	HEY ARE PU	SHING O	JI IN FROI	NI & BAC	JK UP TO 1/	4 in. THIS	S IS @ PIEF	≺#3. SPA	AN # 4. SPAN #
	ER # 1 BEARINGS THE SAME. Re Conc Approach Slab	sq.ft	2.00	100%	2.00	0%	0.00	0%	0.00	0%	0.00
321 / 4	SS HAVE APPR 3 in. LEVELUP.	Sq.it	2.00	100%	2.00	0%	0.00	0%	0.00	0%	0.00
331 / 4	Re Conc Bridge Railing	ft	544.60	92%	502.00	2%	13.10	5%	29.50	0%	0.00
	0 0	10	044.00	32 /0	002.00	2/0	10.10	0 /0	20.00		
	MINIOD CDALLC M// EVD DEDAD E	LICT CTAI		INE DAIL	OVED DIE	D#216	DI ICUINO T		ODTU 2 1/2	in VED	
	MINOR SPALLS W/ EXP REBAR. F SED CRACKS EXIST 0.1 in	RUST STAI	N @ CURBL	INE. RAIL	OVER PIE	R#2IS	PUSHING T	O THE N	ORTH 2 1/2	in. VER	
CLOS	SED CRACKS EXIST 0.1in								_		TICAL OPEN &
CLOS	SED CRACKS EXIST 0.1in Soffit	(EA)	1.00	0%	0.00	0%	0.00	100%	1.00	0%	TICAL OPEN &
CLOS 859 / 4 PX- N	SED CRACKS EXIST 0.1in Soffit NUMEROUS RANDOM SPALLS TO	(EA)	1.00 HES @ TOP	0%	0.00 ^ CRACKIN	0% IG^ W/ L	0.00 EACHING T	100% O SOFFI	1.00 F - WORST	0% IS @ JOI	0.00 NTS. I DONt
CLOS 859 / 4 PX- N SEE A	SED CRACKS EXIST 0.1in Soffit NUMEROUS RANDOM SPALLS TO ANY LOOSE CONCRETE AT THIS	(EA) D HAUNCH S TIME^ CO	1.00 HES @ TOP ONDITION S	0% FLANGES HOULD B	0.00 ^ CRACKIN E CLOSEL`	0% NG^ W/ LI Y MONIT	0.00 EACHING TO ORED. BEA	100% O SOFFI M HAUN	1.00 Γ - WORST CHES & CO	0% IS @ JOI DNC. ABO	0.00 ONTS. I DONT
CLOS 859 / 4 PX- N SEE A SPAL	SED CRACKS EXIST 0.1in Soffit NUMEROUS RANDOM SPALLS TO	(EA) D HAUNCH S TIME^ CO ER N & S.	1.00 HES @ TOP ONDITION S BD. LANES	0% FLANGES HOULD B - BRIDGE	0.00 ^ CRACKIN E CLOSEL` CREW PLA	0% NG^ W/ LI Y MONIT	0.00 EACHING TO ORED. BEA	100% O SOFFI M HAUN	1.00 Γ - WORST CHES & CO	0% IS @ JOI DNC. ABO	0.00 ONTS. I DONT
CLOS 859 / 4 PX- N SEE A SPAL	SED CRACKS EXIST 0.1in Soffit NUMEROUS RANDOM SPALLS TO ANY LOOSE CONCRETE AT THIS LED AND/OR DELAMINATED OV	(EA) D HAUNCH S TIME^ CO ER N & S.	1.00 HES @ TOP ONDITION S BD. LANES	0% FLANGES HOULD B - BRIDGE	0.00 ^ CRACKIN E CLOSEL` CREW PLA	0% NG^ W/ LI Y MONIT	0.00 EACHING TO ORED. BEA	100% O SOFFI M HAUN	1.00 Γ - WORST CHES & CO	0% IS @ JOI DNC. ABO	0.00 ONTS. I DONT
CLOS 859 / 4 PX- N SEE / SPAL FALL 865 / 4	SED CRACKS EXIST 0.1in Soffit NUMEROUS RANDOM SPALLS TO ANY LOOSE CONCRETE AT THIS LED AND/OR DELAMINATED OVING CONCRETE/DEBRIS. THE FA	(EA) D HAUNCH S TIME^ CO ER N & S. ACIA HAS (LF)	1.00 HES @ TOP ONDITION S BD. LANES SOME SUSF 298.60	0% FLANGES HOULD B - BRIDGE PECT ARE	0.00 ^ CRACKINE CLOSELY CREW PLA (AS. 0.00	0% NG^ W/ LI Y MONITI	0.00 EACHING TO ORED. BEA	100% O SOFFI M HAUN OVER D	1.00 F - WORST CHES & CO RIVING LA	0% IS @ JOI DNC. ABO NES TO 0	0.00 NTS. I DONT DVE DIAPS ARE CATCH ANY
CLOS 859 / 4 PX- N SEE / SPAL FALL 865 / 4	SED CRACKS EXIST 0.1in Soffit NUMEROUS RANDOM SPALLS TO ANY LOOSE CONCRETE AT THIS LED AND/OR DELAMINATED OV ING CONCRETE/DEBRIS. THE FAST.Open Gird End(5Ft	(EA) D HAUNCH S TIME^ CO ER N & S. ACIA HAS (LF)	1.00 HES @ TOP ONDITION S BD. LANES SOME SUSF 298.60	0% FLANGES HOULD B - BRIDGE PECT ARE	0.00 ^ CRACKINE CLOSELY CREW PLA (AS. 0.00	0% NG^ W/ LI Y MONITI	0.00 EACHING TO ORED. BEA	100% O SOFFI M HAUN OVER D	1.00 F - WORST CHES & CO RIVING LA	0% IS @ JOI DNC. ABO NES TO O	0.00 NTS. I DONT DVE DIAPS ARE CATCH ANY
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CLOS 859 / 4 PX- N SEE / SPAL FALL 865 / 4 PX- E	SED CRACKS EXIST 0.1in Soffit NUMEROUS RANDOM SPALLS TO ANY LOOSE CONCRETE AT THIS LED AND/OR DELAMINATED OV ING CONCRETE/DEBRIS. THE FA St.Open Gird End(5Ft SEAM ENDS OVER CENTER PIER	(EA) D HAUNCH S TIME^ CO ER N & S. ACIA HAS (LF) (@ CONS	1.00 HES @ TOP ONDITION S BD. LANES SOME SUSF 298.60 T. JOINTS H	0% FLANGES HOULD B - BRIDGE PECT ARE 0% AVE RUS	0.00 ^ CRACKIN E CLOSEL CREW PLA AS. 0.00 T.	0% NG^ W/ LI Y MONITI ACED SIG	0.00 EACHING TO ORED. BEAGN PANELS	100% O SOFFI M HAUN OVER D	1.00 F - WORST CHES & CO RIVING LA	IS @ JOI DNC. ABO NES TO O	0.00 NTS. I DONT OVE DIAPS ARE CATCH ANY 0.00
CLOS 859 / 4 PX- N SEE / SPAL FALL 865 / 4 PX- E 870 / 4	SED CRACKS EXIST 0.1in Soffit NUMEROUS RANDOM SPALLS TO ANY LOOSE CONCRETE AT THIS LLED AND/OR DELAMINATED OV ING CONCRETE/DEBRIS. THE FA St.Open Gird End(5Ft BEAM ENDS OVER CENTER PIER Concrete Wingwall	(EA) D HAUNCH S TIME^ CO ER N & S. ACIA HAS	1.00 HES @ TOP DNDITION S BD. LANES SOME SUSF 298.60 T. JOINTS H 4.00	0% FLANGES HOULD B - BRIDGE PECT ARE 0% AVE RUS	0.00 ^ CRACKIN E CLOSEL CREW PLA AS. 0.00 T. 4.00	0% NG^ W/ LI Y MONIT! ACED SIG 100%	0.00 EACHING TO ORED. BEAGN PANELS	100% O SOFFI M HAUN OVER D 0%	1.00 G-WORST CHES & CO RIVING LA 0.00	0% IS @ JOI DNC. ABO NES TO 0	0.00 NTS. I DONT OVE DIAPS ARE CATCH ANY 0.00 0.00
CLOS 859 / 4 PX-N PX-N SEE / SPAL FALL 865 / 4 PX-E 870 / 4 PX-F	SED CRACKS EXIST 0.1in Soffit NUMEROUS RANDOM SPALLS TO ANY LOOSE CONCRETE AT THIS LLED AND/OR DELAMINATED OV ING CONCRETE/DEBRIS. THE FA St.Open Gird End(5Ft BEAM ENDS OVER CENTER PIER Concrete Wingwall Pourable Fix Jt.Seal Pack Rust Smart Flag	(EA) D HAUNCH S TIME^ CO ER N & S. ACIA HAS (LF) (EA) (LF)	1.00 HES @ TOP DNDITION S BD. LANES SOME SUSF 298.60 T. JOINTS H 4.00	0% FLANGES HOULD B - BRIDGE PECT ARE 0% AVE RUS	0.00 ^ CRACKIN E CLOSEL CREW PLA AS. 0.00 T. 4.00	0% NG^ W/ LI Y MONIT! ACED SIG 100%	0.00 EACHING TO ORED. BEAGN PANELS	100% O SOFFI M HAUN OVER D 0%	1.00 G-WORST CHES & CO RIVING LA 0.00	0% IS @ JOI DNC. ABO NES TO 0	0.00 NTS. I DONT OVE DIAPS ARE CATCH ANY 0.00 0.00
CLOS 859 / 4 PX-N PX-N SEE / SPAL FALL 865 / 4 PX-E 870 / 4 PX-F	SED CRACKS EXIST 0.1in Soffit NUMEROUS RANDOM SPALLS TO ANY LOOSE CONCRETE AT THIS LLED AND/OR DELAMINATED OV ING CONCRETE/DEBRIS. THE FA St.Open Gird End(5Ft BEAM ENDS OVER CENTER PIER Concrete Wingwall Pourable Fix Jt.Seal Pack Rust Smart Flag T BEAM SPLICES. BM. # 1 OVER	(EA) D HAUNCH S TIME^ CO ER N & S. ACIA HAS (LF) (EA) (LF)	1.00 HES @ TOP DNDITION S BD. LANES SOME SUSF 298.60 T. JOINTS H 4.00 141.00	0% FLANGES HOULD B - BRIDGE PECT ARE 0% AVE RUS 100% 0%	0.00 ^ CRACKIN E CLOSEL CREW PLA AS. 0.00 T. 4.00	0% 100% 100%	0.00 EACHING TOORED. BEAGN PANELS 298.60 0.00 141.00	100% O SOFFI'M HAUN OVER D O% O% O%	1.00 T - WORST CHES & CO RIVING LA 0.00 0.00 0.00	0% 0% 0% 0%	O.00 NTS. I DONT OVE DIAPS ARE CATCH ANY 0.00 0.00
CLOS 859 / 4 PX-N SEE / SPAL FALL 865 / 4 PX-E 870 / 4 CON' 962 / 4	SED CRACKS EXIST 0.1in Soffit NUMEROUS RANDOM SPALLS TO ANY LOOSE CONCRETE AT THIS LLED AND/OR DELAMINATED OV ING CONCRETE/DEBRIS. THE FA St.Open Gird End(5Ft BEAM ENDS OVER CENTER PIER Concrete Wingwall Pourable Fix Jt.Seal Pack Rust Smart Flag T BEAM SPLICES. BM. # 1 OVER Super.Traffic Impact	(EA) D HAUNCH S TIME^ CO ER N & S. ACIA HAS (LF) (EA) (LF)	1.00 HES @ TOP DNDITION S BD. LANES SOME SUSF 298.60 T. JOINTS H 4.00	0% FLANGES HOULD B - BRIDGE PECT ARE 0% AVE RUS 100%	0.00 ^ CRACKIN E CLOSEL CREW PLA AS. 0.00 T. 4.00	0% IG^ W/ LI / MONITO ACED SIG 100% 0%	0.00 EACHING TO ORED. BEAGN PANELS 298.60 0.00	100% O SOFFI' M HAUN OVER D 0%	1.00 - WORST CHES & CO RIVING LA 0.00 0.00	0% 0% 0%	O.00 NTS. I DONT OVE DIAPS ARE CATCH ANY 0.00 0.00
859 / 4 PX-N SEE / SPAL FALL 865 / 4 PX-E 870 / 4 CON 962 / 4	SED CRACKS EXIST 0.1in Soffit NUMEROUS RANDOM SPALLS TO ANY LOOSE CONCRETE AT THIS LLED AND/OR DELAMINATED OV ING CONCRETE/DEBRIS. THE FA St.Open Gird End(5Ft BEAM ENDS OVER CENTER PIER Concrete Wingwall Pourable Fix Jt.Seal Pack Rust Smart Flag T BEAM SPLICES. BM. # 1 OVER Super.Traffic Impact NOTE FOR # 107.	(EA) D HAUNCH S TIME^ CO ER N & S. ACIA HAS (LF) (EA) (LF) (EA) PIER. (EA)	1.00 HES @ TOP DNDITION S BD. LANES SOME SUSF 298.60 T. JOINTS H 4.00 141.00	0% FLANGES HOULD B - BRIDGE PECT ARE 0% 100% 0% 100%	0.00 ^ CRACKIN E CLOSEL* CREW PL/ AS. 0.00 1.00 1.00	0% IG^ W/ Li / MONIT: ACED SIG 100% 100% 100% 0%	0.00 EACHING TOORED. BEAGN PANELS 298.60 0.00 141.00 1.00	100% O SOFFI'M HAUN OVER D O% O% O% O%	1.00 F - WORST CHES & CO RIVING LA 0.00 0.00 0.00 0.00	0% 1S @ JOI DNC. ABC NES TO C 0% 0% 0% 0%	0.00 NTS. I DONT OVE DIAPS ARE CATCH ANY 0.00 0.00 0.00 0.00
859 / 4 PX-N SEE / SPAL FALL 865 / 4 PX-E 870 / 4 CON 962 / 4 SEE 963 / 4	SED CRACKS EXIST 0.1in Soffit NUMEROUS RANDOM SPALLS TO ANY LOOSE CONCRETE AT THIS LLED AND/OR DELAMINATED OV ING CONCRETE/DEBRIS. THE FA St.Open Gird End(5Ft BEAM ENDS OVER CENTER PIER Concrete Wingwall Pourable Fix Jt.Seal Pack Rust Smart Flag T BEAM SPLICES. BM. # 1 OVER Super.Traffic Impact NOTE FOR # 107. Steel Section Loss SF	(EA) D HAUNCH S TIME^ CO ER N & S. ACIA HAS (LF) C @ CONS (EA) (LF) (EA) PIER. (EA)	1.00 HES @ TOP DNDITION S BD. LANES SOME SUSF 298.60 T. JOINTS H 4.00 141.00 1.00	0% FLANGES HOULD B - BRIDGE PECT ARE 0% 100% 0% 100%	0.00 ^ CRACKIN E CLOSEL* CREW PL/ AS. 0.00 1.00 1.00	0% IG^ W/ Li / MONIT- ACED SIG 100% 100% 100% 100%	0.00 EACHING TOORED. BEAGN PANELS 298.60 0.00 141.00 0.00 1.00	100% O SOFFI'M HAUN OVER D O% O% O% O% O% O%	1.00 T - WORST CHES & CO RIVING LA 0.00 0.00 0.00	0% 0% 0% 0%	O.00 NTS. I DONT OVE DIAPS ARE CATCH ANY 0.00 0.00 0.00
859 / 4 PX-N SEE / SPAL FALL 865 / 4 PX-E 870 / 4 CON 962 / 4 SEE 963 / 4	SED CRACKS EXIST 0.1in Soffit NUMEROUS RANDOM SPALLS TO ANY LOOSE CONCRETE AT THIS LLED AND/OR DELAMINATED OV ING CONCRETE/DEBRIS. THE FA St.Open Gird End(5Ft BEAM ENDS OVER CENTER PIER Concrete Wingwall Pourable Fix Jt.Seal Pack Rust Smart Flag T BEAM SPLICES. BM. # 1 OVER Super.Traffic Impact NOTE FOR # 107.	(EA) D HAUNCH S TIME^ CO ER N & S. ACIA HAS (LF) C @ CONS (EA) (LF) (EA) PIER. (EA)	1.00 HES @ TOP DNDITION S BD. LANES SOME SUSF 298.60 T. JOINTS H 4.00 141.00 1.00	0% FLANGES HOULD B - BRIDGE PECT ARE 0% 100% 0% 100%	0.00 ^ CRACKIN E CLOSEL* CREW PL/ AS. 0.00 1.00 1.00	0% IG^ W/ Li / MONIT- ACED SIG 100% 100% 100% 100%	0.00 EACHING TOORED. BEAGN PANELS 298.60 0.00 141.00 0.00 1.00	100% O SOFFI'M HAUN OVER D O% O% O% O% O% O%	1.00 F - WORST CHES & CO RIVING LA 0.00 0.00 0.00 0.00	0% 1S @ JOI DNC. ABC NES TO C 0% 0% 0% 0%	0.00 NTS. I DONT OVE DIAPS ARE CATCH ANY 0.00 0.00 0.00 0.00