

be Spliced       Dowel Bar Length       Min. Capacity       Min. Hull-Out Strength         #4       I'-8''       I4.7       7.9         #5       2'-0''       23.0       I2.3         #6       2'-7''       33.1       I7.4         #7       3'-5''       45.1       23.8         #8       4'-6''       58.9       31.3         #9       5'-9''       75.0       39.6         #10       7'-3''       95.0       50.3         #11       9'-0''       117.4       61.8         Stage Construction Line         Stage I Construction         Image I Construction       Threaded or Coil       Reinforcement         Stage I Construction       Stage I Construction       Image: Stage I Construction         Image I Construction       Image: Stage I Construction       Image: Stage I Construction         Image: Stage I Construction       Image: Stage I Construction       Image: Stage I Construction         Image: Stage I Construction       Image: Stage I Construction       Image: Stage I Construction         Image: Stage I Construction       Image: Stage I Construction       Image: Stage I Construction         Image: Stage I Construction       Image: Stage I Construction       Image: Stage I Cons	-						854	30	· · ·
Provide status and status						SECTION	COUNTY	SHEETS	SHEET NO.
Stradured Sheek 13 of 14 Stradured Sheek 14 of 04 on opproved type and shold develop in fension of least fit by yield strength of the lapped reinforcement bars. Hat be of minimum 60 k1 yield strength, threaded or colled full length. entities shall be appay coaled according to the requirements for the control of the appay coaled according to the requirements for the control of the appay coaled according to the requirements for the control of the appay coaled according to the requirements for the control of the appay coaled according to the requirements for the control of the appay coaled according to the requirements for the proposed control of the approach and the to the splicer for approval. Approach the proposed sembly satisfies the following requirements to sts. The strateging may be submitted to the Engineer for approval. Approach the proposed sembly satisfies the following requirements to sts. The strateging may be submitted to the Engineer for approval. Approach in Kpgs) = 125 x (y x 4; Mintum 7-upd) = 0.66 x (y x A; Tenestin fuely of the approach to the proposed reinforcement bars. The strateging of the approach the for approval to the proposed fuely of the strateging the approach to the proposed reinforcement bars. The strateging to the approval of the approach to the strateging the tapped of the strateging the strateging the tapped of the strateging the tapped of the strateging the strateging the tapped of the strateging the tapped of the strateging the tapped of the strateging the str					60				
<pre>sembles sholl be at an approved type and sholl develop in lension al least fire yield strength of the lagged and the to the sploter took or colled full kingth. end bars sholl be lapged and the to the sploter rook or colled full kingth. end bars sholl be lapged and the to the sploter for approved. Approved for earling thest results from an approved tasting laboratory that the proposed endemble statistic the following or approved tasting laboratory that the proposed endemble statistic the following or approved tasting laboratory that the proposed endemble statistic the following or approved tasting laboratory that the proposed endemble statistic the following or approved tasting laboratory that the proposed endemble statistic the following or approved tasting laboratory that the proposed endemble statistic the following or approved tasting laboratory that the proposed endemble statistic the following or approved tasting laboratory that the proposed endemble statistic the following or approved tasting laboratory that the proposed endemble statistic the following or approved tasting laboratory that the proposed endemble statistic the following or approved tasting laboratory that the proposed endemble statistic tasting the proposed result of the following the fact of the proposed result of the following the following the fact of the proposed result of the following the following the fact of the following transfer following the following the fact of the following transfer following the following the following the fact of the following transfer following the f</pre>					L	L		BRS-6	0(121)
It hay yield strength of the lapped reinforcement bars. Intel both stand by lapped and lifed to the splicer rods or dowel bars. Sembles shall be lapped and lifed to the splicer rods or dowel bars. Sembles shall be eavy coarde occording to the requirements for opproval. Approval on entitled that require ments. Winnum Chaochy = L25 × Y × X Spliced Dowel Bar Length = 0.66 × Yr × A; Franciso in KP3 Transition in KP3 Transition in KP3 Standard Strength = 0.66 × Yr × A; Standard Strength of lapped reinforcement bars in kei. Transition in KP3 Standard Strength of L25 × Yi A strength of lapped reinforcement bars. Transition in KP3 Standard Strength of L25 × Yi A strength of L25 × Yi									
ent bars shall be lapped and tied to the splicer rods or dowel bars. samples shall be epoxy coated occording to the requirements for or certified test results from an approved testing idocratory that the proposed south satisfies the following requirements: Winnum Capacity = 1.25 × 17 × A; Minimum "Pull-out Strength" = 0.66 × f7 × A; Tension in Kost = Yeld strength of lapped reinforcement bars in kat. = Yeld strength of lapped reinforcement bars in kat. = Tension in Kost = T					op in	tension at le	ast		
sembles shall be epay coated according to the requirements for box. of -initified test results from an approved testing laboratory that the proposed central field test results from an approved testing laboratory that the proposed central coacity _ L2S + Y × A; Minimum "Puice at Strength" _ 0.66 × fy × A; Tension in KB3 Tension for KB3 = Tension f	hall be of i	minimum 60 ksi y	ield strength,	threaded or	coiled	d full length,			
bers. of similar design may be submitted to the Engineer for approval. Approval on certified test results from an approvad testing kaberatory that the proposed semably satisfies the following requirements. Minimum (Previous) Strength = 0.66 x fy x A; (Tension in kips) = 0.60 x fy x A; (Tension for the for Length figurements is kis. = 2.8 dy concrete	ent bars st	nall be lapped and	d tied to the	splicer rods	or do	wel bars.			
of similar design may be submitted to the Engineer for approval. Approval on certified test results from an approval testing laboratory that the proposed sample satisfies the following requirements: Minimum *Puil-out Strength = Teld strength of looped reinforcement bars in ksl. = Teld strength of looped reinforcement bars. = Treaded or Coll = Threaded or Coll = Size No Assemblies = Coller strength of looped reinforcement bars. = Stephen Sol Over Richland creeker strength strength of looped reinforcement bars. = Stephenson county		nall be epoxy coa	ted according	to the requi	remer	ts for			
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Minimum *Pull-out Strength = 0.66 x fy x A <sub>1</sub> = Yield strength of lopped reinforcement bars in ksi. = Tensile stress area of lopped reinforcement bars. = 28 day concrete				15:					
(Tension in kips) - 0.00 × 11 × A4 = Yield stress area of lapped reinforcement bars. = 28 day concrete <u>BAR SPLICER ASSEMBLIES</u> <u>BAR SPLICER ASSEMBLIES</u> <u>BAR SPLICER ASSEMBLIES</u> <u>Ar Size to Splicer Rod or Min. Copolity Nr. Pull-Out Strength</u> <u>Kips - tension</u> <u>Kips - tensi</u>	(Tension ii Minimum *	n kips) <sup>= 1,23</sup> X Pull-out Strenath							
= Tensile stress area of lapped reinforcement bars. = 28 day concrete          BAR SPLICER ASSEMBLIES         be Spliced Dowel Bar Length Min. Capacity Min. Pull-Out Strongth Kips - tension         #4       1-8"         #5       2-0"         23.0       12.3         #6       2'-7"         #5       2'-0"         #6       2'-7"         #7       33.1         #9       5'-9"         #10       9'-0"         UT.4       61.8         Stage 1 Construction       Line         Stage 1 Construction       Stage 11 Construction         Threaded or Coll       Plainforcement         Loop Couplers (E)       Interaded or Coli         Image: Construction       Splicer Rods (E)         Bar       12'         Stage 1 Construction       Interaded or Coli         Image: Construction       Splicer Rods (E)         Bar       Else         Stage 10 construction       Interaded or Coli         Bar       Location         Bar       Splicer Rods (E)         Bar       Approach sidb         Bar       Stop Approach sidb         Bar       Splicer Rods (E)         Stage Required       Location <td>(Tension ir</td> <td>n kips)</td> <td>~ 0.00 X IY</td> <td>'</td> <td></td> <td></td> <td></td> <td></td> <td></td>	(Tension ir	n kips)	~ 0.00 X IY	'					
# 28 day concrete          BAR SPLICER ASSEMBLIES         dar Size to Dowel Bar Length Min. Capacity Min. Pull-Out Strength Kips - tension         #4       1-8"         #5       2:-0"         23.0       12.3         #6       2'-7"         #7       3:-5"         #6       2'-7"         #7       3:-5"         #8       4'-6"         #7       3:-5"         #8       4'-6"         #10       7'-3"         95:0       50.3         #11       9'-0"         17:4       61.8         Stage 1 Construction       Ine         Stage 1 Construction       Stage Construction Line         Stage 1 Construction       Stage Construction Line         Stage 1 Construction       Stage Construction Line         Stage 1 Construction       Ine         12-       -         Stage 1 Construction       Ine         Stage 1 Construction       Ine         Stage 1 Construction       Stage Construction Line         Stage 10       Construction         12-       -         Stage 10       Construction         12-       -         Stage 10 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>									
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Bar       Splicer       Rod or Dowel Bar       Strength       Requirements         #4       1'-8''       14.7       7.9         #5       2'-0''       23.0       12.3         #6       2'-7''       - 33.1       17.4         #7       3'-5''       45.1       2.9.8         #8       4'-6''       58.9       31.3         #9       5'-9''       75.0       39.6         #10       7'-3''       95.0       50.3         #11       9'-0''       117.4       61.8         Stage I Construction         Threaded or Coll         Threaded or Coll         Threaded or Coll       Threaded or Coll         Ed.       C       -         Jac         Jac         Jac         Jac         Stage II Construction         Threaded or Coll         Threaded or Coll       Reinforcement         Stage I       Construction       -         Stage II Construction         Stage II Construction         Stage II Construction         Bar Stage I									
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be spice       Dower Dar Lengin       kips - tension         #4       1'-8''       14.7       7.9         #5       2'-0''       23.0       12.3         #6       2'-7''       33.1       17.4         #7       3'-5''       45.1       23.8         #8       4'-6''       58.9       31.3         #9       5'-9''       75.0       39.6         #10       7'-3''       95.0       50.3         #11       9'-0''       .117.4       61.8         Stage Construction Line         Stage I Construction         Threaded or Coll         Stage I Construction         Threaded or Coll         Bar <td>Bar Size to</td> <td>Splicer Rod of</td> <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Bar Size to	Splicer Rod of		· · · · · · · · · · · · · · · · · · ·					
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$\frac{\#7}{8} \frac{3' \cdot 5''}{4' \cdot 6''} \frac{45.1}{58.9} \frac{23.8}{31.3}$ $\frac{\#9}{9} \frac{5' \cdot 9''}{7' \cdot 3''} \frac{95.0}{95.0} \frac{50.3}{50.3}$ $\frac{\#10}{11} \frac{7' \cdot 3''}{9' \cdot 0''} \frac{95.0}{117.4} \frac{50.8}{61.8}$ $5tage \ I \ Construction \ Line \ Stage \ II \ Construction \ Stage \ II \ Construction \ Line \ Stage \ II \ Stage \ II \ Construction \ Stage \ II \ Construction \ II \ Stage \ II \ Stage \ II \ Construction \ II \ Stage \ II \ Construction \ II \ Stage \$	#5	2'-0''	23.0	)	12.1	3			
#8       4'-6''       58.9       31.3         #9       5'-9''       75.0       39.6         #10       7'-3''       95.0       50.3         #11       9'-0''       .117.4       61.8         Stage Construction Line Stage I Construction         Threaded or Coll Intreaded or Coll Splicer Rods (E)         #10       0'-0''       .117.4       61.8         Threaded or Coll Splicer Rods (E)         #2'       -          Location         12'       -         Construction         Bar Seembliles Construction         #5       62       Approach sidb         BAR SPLICER ASSEMBLY DETAILS CEDARVILLE ROAD (FAS 60) OVER RICHLAND CREEK STA. 383+72 (S.N. 089-3282) SECTION 07-00172-00-BR STEPHENSON COUNTY	#6	2'-7''	· 33.1		17,-	4			
#9       5'-9''       75.0       39.6         #10       7'-3''       95.0       50.3         #11       9'-0''       . 117.4       61.8         Stage Construction Line Stage I Construction         Stage Construction Line Stage II Construction									
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#11       9'-0''       II7.4       61.8         Stage I Construction       Stage Construction Line Stage II Construction         Threaded or Coil Loop Couplers (E)       Threaded or Coil Splicer Rods (E)       Reinforcement Bors         Image: I									
Stage I Construction       Line         Stage II Construction       Threaded or Coll         Threaded or Coll       Reinforcement         Bars       Isplicer Rods (E)         Isplicer Rods (E)       Bars         Bars       Location         Isplicer Reputed       Approach sidb         Bars       Splicer ASSEMBLY DETAILS         CEDARVILLE ROAD (FAS 60) OVER RICHLAND CREEK         STA.       383+72 (S.N. 089-3282)         SECTION 07-00172-00- BR         STEPHENSON COUNTY		9'-0''							
STANDARD         Bar       No. Assemblies       Location         #5       62       Approach slab         #5       62       Approach slab         BAR       SPLICER ASSEMBLY DETAILS         CEDARVILLE       ROAD (FAS 60) OVER RICHLAND CREEK         STANDARD       SECTION 07-00172-00-BR         STEPHENSON COUNTY	Thre	eaded or Coil		Stage II Cons Threaded or C	truct. Soil	Reinfo	rcement		
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Bar No. Assemblies Location #5 62 Approach slab BAR SPLICER ASSEMBLY DETAILS CEDARVILLE ROAD (FAS 60) OVER RICHLAND CREEK STA. 383+72 (S.N. 089-3282) SECTION 07-00172-00-BR STEPHENSON COUNTY				חר					
Size Required Location #5 62 Approach slab BAR SPLICER ASSEMBLY DETAILS CEDARVILLE ROAD (FAS 60) OVER RICHLAND CREEK STA. 383+72 (S.N. 089-3282) SECTION 07-00172-00-BR STEPHENSON COUNTY		:	STANDAF	<u> </u>					
Size Required Location #5 62 Approach slab BAR SPLICER ASSEMBLY DETAILS CEDARVILLE ROAD (FAS 60) OVER RICHLAND CREEK STA. 383+72 (S.N. 089-3282) SECTION 07-00172-00-BR STEPHENSON COUNTY									
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CEDARVILLE ROAD (FAS 60) OVER RICHLAND CREEK STA. 383+72 (S.N. 089-3282) SECTION 07-00172-00-BR STEPHENSON COUNTY		#5	62	Approach s	lab				
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The diameter of this part is equal or larger than the diameter of this part of the bar spliced.	Template       Stage Construction Line         Forms       Threaded or Coll         Forms       Form Plugs         Washer Face       Threaded or Coll         Threaded or Coll       Splicer Rods (E)         "A"       Set for splicer assembly by means of a template bolt.         "B"       Set for splicer assembly by nealing to wood forms or commenting to steel forms.         "Later Set of the splicer assembly by nealing to wood forms or commenting to steel forms.         "Later Set of the splicer assembly by nealing to wood forms or commenting to steel forms.         "Later Set of the splicer assembly by nealing to wood forms or commenting to steel forms.         "Later Set of the splicer assembly by nealing to wood forms or commenting to steel forms.         "Later Set of the splicer assembly by nealing to wood forms or commenting to steel forms.         "Later Set of the splicer assembly by nealing to wood forms or commenting to steel forms.         "Later Set of the splicer assembly by nealing to wood forms or commenting to steel forms.         "Later Set of the splicer spli	$\frac{1}{90} \frac{1}{0 \cdot 100} \frac{1}{$
Bridge Deck       Approach Slab         Reinforcement       Threaded or Coll         Bars       Spilcer Rods (E)         4'-0''       6'-0''         FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS         Bar Spilcer for #5 bar         Min. Capacity = 23.0 kips - tension         Min. Pull-out Strength = 12.5 kips - tension         No. Required =	6'-0" Approach slab Abutment hatch block Threaded or Coll Loop Couplers (E) Reinforcement bars I'z" cl. FOR STUB ABUTMENTS Bar Splicer for #5 bar Min. Capacity = 23.0 kips - tension Min. Pull-out Strength = 12.3 kips - tension No. Required = 62	#11       9'-0''       117.4       61.8         Stage 1 Construction         Stage 1 Construction         Stage 1 Construction         Threaded or Coll         Threaded or Coll         Bars         Loop Couplers (E)         STANDARD         STANDARD         Bar Splicer Assemblies         Location         #5         BAR Splicer Assembly Dettails         CEDARVILLE ROAD (FAS 60) OVER RICHLAND CREEK         STA. 383+72 (S.N. 089-3282)