

$ack \ Face \\ begin{tabular}{ c c c c c c } \hline \hline & & & & & & & & & & & & & & & & & $			F.A.I.	SECTION	COUN	TY TOTA SHEET	L SHEET
THE ROUD BIST, RA TILINOIS FED. AID PROJECT G2997 $\frac{DETAIL A REINFORCEMENT}{SCHEDULE AND} \\ BILL OF MATERIAL P(C) 16 + 44 + 12' \cdot 10'' + 10''$						K 32	16
SCHEDULE AND BILL OF MATERIAL $ \begin{array}{c} \hline Bill & OF MATERIAL \\ \hline \hline Bill & OF MATERIAL \\ \hline \hline \hline Bill & OF MATERIAL \\ \hline \hline$			FED. ROAD D	IST. NO. IL		AID PROJEC	СТ
Bar Mo. Size Length Shape http: 16 #4 12'-10" http: 28 #6 5'-6" L http: 28 #6 4'-6" httt: 28 #6 4'-6" http: 28 #6 4'			SCh	EDUL	E ANL)	-
$\frac{h(E)}{n(E)} = \frac{16}{4} + \frac{12^{-1}0^{\circ}}{1}$ $\frac{h(E)}{n(E)} = \frac{28}{4} + \frac{12^{-5}}{5} - \frac{10^{\circ}}{10}$ $\frac{h(E)}{n(E)} = \frac{28}{4} + \frac{5}{5} + \frac{5^{-1}0^{\circ}}{10}$ $\frac{h(E)}{10} = \frac{28}{4} + \frac{5}{5} + \frac{5^{-1}0^{\circ}}{10}$ $\frac{h(E)}{10} = \frac{28}{4} + \frac{5}{5} + \frac{5^{-1}0^{\circ}}{10}$ $\frac{h(E)}{10} = \frac{14}{4} + \frac{13^{-2}}{13} + \frac{13^{-2}}{10}$ $\frac{11}{16m} = \frac{10n^{11}}{10}$ $\frac{11}{16m} = \frac{10n^{11}}{10}$ $\frac{11}{16m} = \frac{10n^{11}}{10}$ $\frac{11}{16m} = \frac{10n^{11}}{10}$ $\frac{10}{10} = \frac{12^{\circ}}{10}$ $\frac{10}{10} = \frac{12^{\circ}}{10}$ $\frac{10}{10} = \frac{11}{10}$		-	,				1
$n(E) 28 \#6 5'-6" \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$						Shape	
$\frac{1}{(tE)} = \frac{28}{28} + \frac{5}{5' \cdot 10''} + \frac{1}{(tE)} + \frac{1}{28} + \frac{5}{4' \cdot 6''} + \frac{1}{(tE)} + \frac{1}{28} + \frac{1}{4' \cdot 4'} + \frac{1}{(tE)} + \frac{1}{28} + \frac{1}{4' \cdot 4''} + \frac{1}{(tE)} + \frac{1}{2} +$					12 10		
ack Face $\begin{array}{c} T(E) & 28 & \#6 & 4'-6'' \\ \hline T(E) & 28 & \#6 & 4'-6'' \\ \hline T(E) & 28 & \#6 & 4'-6'' \\ \hline T(E) & 10 & \#4 & 13'-2'' \\ \hline T(E) & 10 & \#4 & 13'-2'' \\ \hline T(E) & 10 & \#4 & 13'-2'' \\ \hline T(E) & 10 & \#4 & 13'-2'' \\ \hline T(E) & Concrete & Cu. Yd. 4.5 \\ \hline Concrete & Cu. Yd. 4.5 \\ \hline Concrete & Cu. Yd. 3.6 \\ \hline Reinforcement Bars, Paund & 820 \\ \hline Rustication Finish & Sq. Fi. 50 \\ \hline Protective Coat & Sq. Yd. 19 \\ \hline T(E) & 12'' cts. \\ \hline S1'-6'' \\ \hline 2'-6'' \\ \hline L'' & P.J.F. \\ \hline \end{array}$						L	
ack Face w(E) 10 #4 13'-2" $Item Unit Qty.$ $(2) Concrete Cu. Yd. 4.5$ $(2) Concrete Cu. Yd. 3.6$ $Reinforcement Bars. Pound 820$ $Rustication Finish Sq. Ft. 50$ $Protective Coat Sq. Yd. 19$ $DETAIL B REINFORCEMENT$ $SCHEDULE AND$ $BILL OF MATERIAL$ $Bar No. Size Length Shape$ $hi(E) 5 #6 5'-6" L$ $n(E) 5 #6 5'-10"$ $In(E) 5 #6 3'-11"$ $w(E) 4 #4 4'-4"$ $Rustication Bars. Pound Que to the second second$	2		20	#5	5 - 10	L	
Item Unit Oty. (I) Concrete Cu. Yd. 4.5 (I) Concrete Cu. Yd. 4.5 (I) Concrete Cu. Yd. 3.6 (I) Reinforcement Bars. Pound (I) Reinforcement Bars. Pound (I)		(t(Ĕ)	28	#6	4'-6"		
Item Unit Oty. (I) Concrete Cu. Yd. 4.5 (I) Concrete Cu. Yd. 4.5 (I) Concrete Cu. Yd. 3.6 (I) Reinforcement Bars. Pound (I) Reinforcement Bars. Pound (I)		W(F)	$\frac{1}{10}$	#4	13'-2"		
ack Face $ \begin{array}{c} \hline \hline Concrete \\ Structures \\ \hline Cu. Yd. 4.5 \\ \hline Structures \\ \hline Cu. Yd. 3.6 \\ \hline Reinforcement Bars, Pound \\ \hline B20 \\ \hline Rustication Finish \\ \hline Sq. F1. 50 \\ \hline Protective Coat \\ \hline Sq. Yd. 19 \\ \hline \end{array} $ ustication $ \begin{array}{c} \hline E) & 12" \text{ cts.} \\ \hline B12" \text{ cts.} \\ \hline \\ E' - 6"t \\ \hline \\ \hline \\ E' - 6"t \\ \hline \\ \hline \\ \hline \\ E' - 6"t \\ \hline \\ $		<u> </u>	riv.	,			
ack FaceStructuresCu. H.H.SConcreteConcreteCu. Yd.3.6Reinforcement Bars, Epoxy CoatedPound $\&20$ RusticationFinishSq. Ft.50Protective CoatSq. Yd.19E) © 12" cts. IS 1-6"DETAIL B REINFORCEMENT SCHEDULE AND BILL OF MATERIAL $w(E)$ Bar No.No.SizeLength $h(E)$ 8 ± 4 $4'-4"$ $n(E)$ 5 ± 6 $5'-6"$ $h(E)$ 5 ± 6 $5'-10"$ $h(E)$ 5 ± 6 $5'-10"$ $h(E)$ 5 ± 6 $5'-10"$ $h(E)$ 5 ± 6 $3'-11"$ $h(E)$ 5 ± 6 $3'-11"$ $h(E)$ 4 ± 4 $4'-4"$ $h(E)$ $a \pm 4$ $4'-4"$		Capac			Unit	Qty.	
(2) Superstructure Cu. Yd. 3.6 Reinforcement Bars, Pound 820 Rustication Finish Sq. Ft. 50 Protective Coat Sq. Yd. 19 Istication E) $@ 12"$ cts. g 1'-6" g 1'-6''-6'' g 1'-6''-6''-6''-6''-6''-6''-6''-6''-6''-6		9 Struci	tures		Cu. Yd.	4.5	
Rustication Finish Sq. Ft. 50 Protective Coat Sq. Yd. 19 L) @ 12" cts. $Sq. Yd.$ 19 $Stringthingthingthingthingthingthingthingth$	Back Face	Super	structur		Cu. Yd.	3.6	
Rustication Finish Sq. Ft. 50 Protective Coat Sq. Yd. 19 L) @ 12" cts. $Sq. Yd.$ 19 $Stringthingthingthingthingthingthingthingth$		Reinfo Epoxy	orcemen Coated	t Bars,	Pound	(820)	
ustication E) @ 12" cts. $\frac{51'-6"}{2'-6"t}$ - $\frac{1}{2}$ " P.J.F. W(E) E) DETAIL B REINFORCEMENT SCHEDULE AND BILL OF MATERIAL Bar No. Size Length Shape h1(E) 8 #4 4'-4" 		Rustic	cation F	inish			2
$ \begin{array}{c} \textcircledleft p \\ \hline & f \\ \hline \\ \hline & f \\ \hline \\ \hline & f \\ \hline \hline \\ \hline \\ \hline \hline \hline \hline \\ \hline \hline \hline \hline \\ \hline \hline \hline \hline \hline \hline \\ \hline \hline$	stication	Prote	ctive Co	at	Sq. Yd.	19	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			SCH	EDUL	E AND)	-
nI(E) 5 #5 5'-10" L t1(E) 5 #6 3'-11"	t(E)	<u>/</u>	<u>SCH</u> BILL	EDUL OF M	E AND ATERI) F <u>AL</u>	- -
t1(E) 5 #6 3'-11" w1(E) 4 #4 4'-4" w1(E) 4 #4 4'-4" w1(E) 4 #4 4'-4" Item Unit Qty. Concrete Cu. Yd. 0.8 Structures Cu. Yd. 0.7 Reinforcement Bars, Pound 140 Rustication Finish Sq. Ft. 9	t(E)	Bar	<u>SCH</u> BILL No.	EDUL OF M. Size	E ANL ATERI Length) F <u>AL</u>	-
w1(E) 4 #4 4'-4" Item Unit Qty. Concrete Cu. Yd. 0.8 Structures Cu. Yd. 0.7 Reinforcement Bars, Epoxy Coated Pound 140 Rustication Finish Sq. Ft. 9	"(E)	Bar h1(E)	SCH BILL No. 8	EDUL OF M. Size #4	E AND ATERI Length 4'-4") F <u>AL</u>	-
ItemUnitOty.Concrete StructuresCu. Yd.0.8Concrete SuperstructureCu. Yd.0.7Reinforcement Bars, Epoxy CoatedPound140Rustication FinishSq. Ft.9	(E)	Bar h1(E) n(E)	SCH BILL No. 8	EDUL OF M. Size #4 #6	E AND ATERI Length 4'-4" 5'-6") F <u>AL</u>	-
ItemUnitOty.Concrete StructuresCu. Yd.0.8Concrete SuperstructureCu. Yd.0.7Reinforcement Bars, Epoxy CoatedPound140Rustication FinishSq. Ft.9		Bar h1(E) n(E) n1(E)	SCH BILL No. 8 5 5	EDUL OF M. Size #4 #6 #5	E ANL ATERI Length 4'-4" 5'-6" 5'-10") F <u>AL</u>	-
Concrete StructuresCu. Yd.0.8Concrete SuperstructureCu. Yd.0.7Reinforcement Bars, Epoxy CoatedPound140Rustication FinishSq. Ft.9		Bar h1(E) n(E) n1(E) t1(E)	SCH BILL No. 8 5 5 5 5	EDUL OF M, Size #4 #6 #5 #6	E ANL ATERI Length 4'-4" 5'-6" 5'-10" 3'-11") F <u>AL</u>	-
Concrete SuperstructureCu. Yd.0.7Reinforcement Bars, Epoxy CoatedPound140Rustication FinishSq. Ft.9		Bar h1(E) n(E) n1(E) t1(E)	SCH BILL No. 8 5 5 5 5 4	EDUL OF M, Size #4 #6 #5 #6	E ANL ATERI Length 4'-4" 5'-6" 5'-10" 3'-11" 4'-4"	2 <i>Shape</i> L L 	-
ConstructureConstructureConstructureReinforcement Bars, Epoxy CoatedPound140Rustication FinishSq. Ft.9		Bar h1(E) n(E) n1(E) t1(E) w1(E)	SCH BILL No. 8 5 5 5 4 Item	EDUL OF M, Size #4 #6 #5 #6	E ANL ATERI Length 4'-4" 5'-6" 5'-10" 3'-11" 4'-4" Unit	2 <i>AL</i> <i>Shape</i> <i>L</i> <i>L</i> <i>L</i> <i>dty.</i>	-
Rustication Finish Sq. Ft. 9		Bar h1(E) n(E) n1(E) t1(E) w1(E) Concr	SCH BILL No. 8 5 5 5 4 1tem ete	EDUL OF M, Size #4 #6 #5 #6	E ANL ATERI Length 4'-4" 5'-6" 5'-0" 3'-11" 4'-4" Unit Cu. Yd.	2 Shape L L aty. 0.8	-
Rustication Finish Sq. Ft. 9	E)	Bar h.I(E) n(E) t.I(E) t.I(E) w.I(E) Struct	SCH BILL No. 8 5 5 5 5 4 Item Item ete structur	EDUL OF M. Size #4 #6 #5 #6 #4	E ANL ATERI Length 4'-4" 5'-6" 5'-0" 3'-11" 4'-4" Unit Cu. Yd.	2 Shape L L aty. 0.8	-
Protective Coat 5q. Yd. 3		Bar h.I(E) n(E) t.I(E) t.I(E) w.I(E) Struct	SCH BILL No. 8 5 5 5 5 4 Item Item ete structur	EDUL OF M. Size #4 #6 #5 #6 #4	E ANL ATERI Length 4'-4" 5'-6" 5'-10" 3'-11" 4'-4" Unit Cu. Yd. Cu. Yd. Pound	Shape L L O.7	- - -
		Bar h1(E) n(E) n1(E) t1(E) w1(E) Conor Struct Conor Struct Conor Reinf Epoxy Rustic	SCH BILL No. 8 5 5 5 4 1 1 tem ete tures ete tures ete tures ete tures ete tures ete tures ete tures ete turetures coated for containe for containe	EDUL OF M, Size #4 #6 #5 #6 #4 #4 #6 #4	E ANL ATERI Length 4'-4" 5'-6" 5'-10" 3'-11" 4'-4" Unit Cu. Yd. Cu. Yd. Pound Sq. Ft.	Shape L L O.7 140 9	-
	$\frac{-t(E)}{8}$	Bar h1(E) n(E) n1(E) t1(E) w1(E) Conor Struct Conor Struct Conor Reinf Epoxy Rustic	SCH BILL No. 8 5 5 5 4 1 1 tem ete tures ete tures ete tures ete tures ete tures ete tures ete tures ete turetures coated for containe for containe	EDUL OF M, Size #4 #6 #5 #6 #4 #4 #6 #4	E ANL ATERI Length 4'-4" 5'-6" 5'-10" 3'-11" 4'-4" Unit Cu. Yd. Cu. Yd. Pound Sq. Ft.	Shape L L O.7 140 9	
<u>Bar n(E)</u>	$\frac{A}{2}$	Bar h1(E) n(E) n1(E) t1(E) w1(E) Conor Struct Conor Struct Conor Reinf Epoxy Rustic	SCH BILL No. 8 5 5 5 4 1 1 tem ete tures ete tures ete tures ete tures ete tures ete tures ete tures ete turetures coated for containe for containe	EDUL OF M, Size #4 #6 #5 #6 #4 #4 #6 #4	E ANL ATERI Length 4'-4" 5'-6" 5'-10" 3'-11" 4'-4" Unit Cu. Yd. Cu. Yd. Pound Sq. Ft.	Shape L L O.7 140 9	
<u>& n1(E)</u>	$\frac{n(E)}{nI(E)}$	Bar h1(E) n(E) n1(E) t1(E) w1(E) Conor Struct Conor Struct Conor Reinf Epoxy Rustic	SCH BILL No. 8 5 5 5 4 1 1 tem ete tures ete tures ete tures ete tures ete tures ete tures ete tures ete turetures coated for containe for containe	EDUL OF M, Size #4 #6 #5 #6 #4 #4 #6 #4	E ANL ATERI Length 4'-4" 5'-6" 5'-10" 3'-11" 4'-4" Unit Cu. Yd. Cu. Yd. Cu. Yd. Cu. Yd. Sq. Ff. Sq. Yd.	Shape L L O.8 0.7 140 9 3	
<u>& n1(E)</u> SHEET SD-2 REVISIONS	n(E) n(E) nI(E) <u>Bar n(E)</u> <u>& n1(E)</u> REVISIONS	Bar h1(E) n(E) n1(E) t1(E) w1(E) Concr Struc: Concr Super Reinfr Epoxy Rustic Prote	SCH BILL No. 8 5 5 5 5 4 1 1 tem ete tures ete structur coated ation F cotive Co	EDUL OF M, Size #4 #6 #5 #6 #4 #4	E ANL ATERI Length 4'-4" 5'-6" 5'-0" 3'-11" 4'-4" Unit Cu. Yd. Cu. Yd. Cu. Yd. Sq. Ft. Sq. Yd.	Shape L L O.8 0.7 140 9 3)-2
& n1(E) SHEET SD-2 REVISIONS ILLINOIS DEPARTMENT OF TRANSPORTATION	n(E) (2) nI(E) (2) Bar n(E) (2) REVISIONS NAME	Bar h1(E) n(E) n1(E) t1(E) w1(E) Concr Struc: Concr Super Reinfr Epoxy Rustic Protes	SCH BILL No. 8 5 5 5 5 4 1 1 tem ete tures ete structur coated ation F cotive Co	Size #4 #6 #5 #6 #4 #4 #4 f Bars, inish at	E ANL ATERI Length 4'-4" 5'-6" 5'-10" 3'-11" 4'-4" Unit Cu. Yd. Cu. Yd. Cu. Yd. Cu. Yd. Sq. Ft. Sq. Yd.	Shape L L O.8 0.7 140 9 3)-2 N
& n1(E) SHEET SD-2 REVISIONS ILLINOIS DEPARTMENT OF TRANSPORTATION	(E) (E) (A (A (A (A (A (A (A (A (A (A	Bar h1(E) n(E) n1(E) t1(E) t1(E) Conor Struc: Conor Struc: Conor Super Reinfi Epoxy Rustic Protes ILLINO A.I. 92	SCH BILL No. 8 5 5 5 5 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	EDUL OF M, Size #4 #6 #5 #6 #4 #4 #4 re t Bars, inish at	E ANL ATERI Length 4'-4" 5'-6" 5'-10" 3'-11" 4'-4" Unit Cu. Yd. Cu. Yd. Cu. Yd. Cu. Yd. Sq. Ft. Sq. Yd. Sf. OF TRANS	AL Shape L L)-2 N WAY)
& n1(E) SHEET SD-2 REVISIONS ILLINOIS DEPARTMENT OF TRANSPORTATION NAME DATE ILLINOIS DEPARTMENT OF TRANSPORTATION ADDENDUM 1 7-16-08 F.A.I. 94/90 (DAN RYAN EXPRESSWAY) SOUTHBOUND KNEE WALLS (ROOT ST TO PERSHING RD) SOUTHBOUND KNEE WALLS (ROOT ST TO PERSHING RD)	(E) (E) (A (A (A (A (A (A (A (A (A (A	Bar h1(E) n(E) n1(E) t1(E) t1(E) Conor Struc: Conor Struc: Conor Super Reinfi Epoxy Rustic Protes ILLINO A.I. 92	SCH BILL No. 8 5 5 5 4 1 5 5 4 4 1 1 tem ete tures etures ete ete ete ete ete ete ete s ete ete	EDUL OF M, Size #4 #6 #5 #6 #4 #4 #6 #4 #4 #6 #4 #4 RTMENT DAN F ALLS (R	E ANL ATERI Length 4'-4" 5'-6" 5'-10" 3'-11" 4'-4" Unit Cu. Yd. Cu. Yd. Cu. Yd. Cu. Yd. Cu. Yd. Sq. Ft. Sq. Yd. Sq. SH OF TRANS RYAN E OOT ST	AL Shape L L)-2 N WAY)
& n1(E) SHEET SD-2 REVISIONS NAME DATE ADDENDUM 1 7-16-08 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)	(E) (E) (A) (A) (A) (A) (A) (A) (A) (A	Bar h1(E) n(E) n1(E) t1(E) t1(E) Conor Struc: Conor Struc: Conor Super Reinfi Epoxy Rustic Protes ILLINO A.I. 92	SCH BILL No. 8 5 5 5 4 1 5 5 4 4 1 1 tem ete tures etures ete ete ete ete ete ete ete s ete ete	EDUL OF M, Size #4 #6 #5 #6 #4 #4 #6 #4 #4 #6 #4 #4 RTMENT DAN F ALLS (R	E ANL ATERI Length 4'-4" 5'-6" 5'-10" 3'-11" 4'-4" Unit Cu. Yd. Cu. Yd. Cu. Yd. Cu. Yd. Cu. Yd. Sq. Ft. Sq. Yd. Sq. SH OF TRANS RYAN E OOT ST	AL Shape L L)-2 N WAY)
& n1(E) SHEET SD-2 REVISIONS ILLINOIS DEPARTMENT OF TRANSPORTATION NAME DATE ILLINOIS DEPARTMENT OF TRANSPORTATION ADDENDUM 1 7-16-08 F.A.I. 94/90 (DAN RYAN EXPRESSWAY) SOUTHBOUND KNEE WALLS (ROOT ST TO PERSHING RD) SOUTHBOUND KNEE WALLS (ROOT ST TO PERSHING RD)	n(E) (2) nI(E) (2) Bar n(E) (2) NAME DATE ADDENDUM 1 7-16-08 So So	LLINO A.I. 94	SCH BILL No. 8 5 5 5 4 1 5 5 4 4 1 1 tem ete tures etures ete ete ete ete ete ete ete s ete ete	EDUL OF M, Size #4 #6 #5 #6 #4 #4 #6 #4 #4 #6 #4 #4 RTMENT DAN F ALLS (R	E ANL ATERI Length 4'-4" 5'-6" 5'-10" 3'-11" 4'-4" Unit Cu. Yd. Cu. Yd. Cu. Yd. Cu. Yd. Cu. Yd. Sq. Ft. Sq. Yd. Sq. Ft. Sq. Yd. A & B	AL Shape L L O.8 0.7 140 9 3 HEET SE SPORTATIO XPRESS TO PERSHI)-2 N WAY) Ng RD)