				ESTIMATED QUANTITIES							
ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION	ABUT	MENTS	PI	ERS	SUPER.	GEN.	SHEET NO.
HEIVI	EXTENSION	TOTAL	UNII	DESCRIPTION	WEST	EAST	WEST	EAST	SUPER.	GEIN.	SHEET NO.
202	11201	1	LS	PORTIONS OF STRUCTURE REMOVED. AS PER PLAN						1	2 / 18
	11201	·	- 20	Total of Short ale resident and the short an							1 27.10
509	10000	19792	LB	EPOXY COATED REINFORCING STEEL			9896	9896			
510	10000	72	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT			36	36			2 / 18
511	71100	180	CY	CONCRETE, MISC.: DECORATIVE PYLON CONCRETE			90	90			2 / 18
512	10051	2316	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY), AS PER PLAN	411	411	363	363	598	170	2 / 18
	00054	4040	0.5	CUREAGE PREPARATION OF EMOTING STRUCTURAL STEEL AS DEPORTAN					1010		0./40
514 514	00051 00057	4313 4313	SF SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL, AS PER PLAN FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT, AS PER PLAN					4313 4313		3 / 18
514	00057	4313	SF SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT, AS PER PLAN FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT, SYSTEM OZEU, AS PER PLAN					4313		3 / 18
514	00067	4313	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT, STSTEM OZEO, AS PER PLAN FIELD PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN					4313		3 / 18
516	10001	116	FT	PREFORMED ELASTOMERIC COMPRESSION JOINT SEAL, AS PER PLAN	58	58					3 / 18
516	31001	121	FT	JOINT SEALER, AS PER PLAN	43	42	18	18			3 / 18
516	44101	8	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN	4	4					14 / 18
516	47001	1	LS	JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN						1	3 / 18
519	11101	184	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	30	85	11	58			3 / 18
845	60000	116	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL	24	24			68		4 / 18
845	61000	8	MNHR	GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL	2	2			4		
845	62000	116	SF	FIELD METALLIZING OF EXISTING STRUCTURAL STEEL	24	24			68		4 / 18
848	10201	196	SY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY USING HYDRODEMOLITION, AS PER PLAN (1 3/4" THICK)	98	98					4 / 18
848	10201	1061	SY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY USING HYDRODEMOLITION, AS PER PLAN (3" THICK)					1061		4 / 18
848	20000	1257	SY	SURFACE PREPARATION USING HYDRODEMOLITION	98	98			1061		+
848	30200	22	CY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY	3	3			16		†
848	50000	38	SY	HAND CHIPPING	3	3			32		1
848	50100	1	LS	TEST SLAB						1	1
848	50320	1061	SY	EXISTING CONCRETE OVERLAY REMOVED (2" THICK)					1061		
848	50340	319	SY	REMOVAL OF DEBONDED OR DETERIORATED EXISTING VARIABLE THICKNESS CONCRETE OVERLAY					319		

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Description McMillan Street over Reading Road

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Description McMillan Street over Reading Road

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Description McMillan Street over Reading Road

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Description McMillan Street over Reading Road

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Description McMillan Street over Reading Road

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Description McMillan Street over Reading Road

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Description McMillan Street over Reading Road

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Description McMillan Street over Reading Road

√I 512E10	051 -	SEA	LING O	F CO	NCF	RETE	SURF.	ACES (NOI	N-EI	PO)	XY)	, AS	PEI	R PLA	N		1	1	U١	III
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Description McMillan Street over Reading Road

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			F	Pylo	n S	ubt	otal	=	2164	.02	ft ²													
	Foun	dati	on/Fo	otir	ng S	ubt	otal	=	947															
				Pie	er S	ubt	otal	=	3111	.15	ft ²													
				Co	onti	inge	ency	=		5%														
				Tot	tal p	oer	Pier	=	3266	.70	ft ²													
				Tot	tal p	oer	Pier	=	362															
		Ro	unded	Tot	tal p	oer	Pier	=	363	.00	yd ²													
						F	Piers	=	2															
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A	pprox	ima	te Gro	und	d El	eva	tion	=	791	.00	ft±													
			Beam S	Sea	t El	eva	tion	=	801	.50	ft													
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Approxim	ate To	ор о	of Back	wal	l El	eva	tion	=	807	.50	ft±													
		1	Abutm	ent	Fa	ce A	Area	=	1047	.75	ft ²													
A	pprox	ima	ite Bea	m S	Sea	t W	idth	=	52	ft		6.	.00	in	=	5.	2.5	0 f	t					
			Bear	m S	eat	Ler	ngth	=	1	ft		5.	.50	in	=		1.4	6 f	t					
			Ве	eam	ı Se	at A	Area	=	76	.56	ft ²													
Approx. N	lax. Ex	xpos	sed Wi	ngv	vall	Не	ight	=	23	ft		0.	50	in	=	2	3.0	4 f	t					٦
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Project HAM-042-0329

Description McMillan Street over Reading Road

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Project HAM-042-0329

Description McMillan Street over Reading Road

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Project HAM-042-0329				Co	mn	ute	d B	y KG	R	Date	1 د	/10	/18	
Description McMillan Street over Reading F	₹oac	<u></u>			eck			KS		Date		7/10 1/10		
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ITEM 514E00051 - SURFACE PREPARATION C	F E	XISTIN	G S	TRUCT	UR	AL S	STE	EL, AS	PE	R		U	NIT	: SF
PLAN														
ITEM 514E00057 - FIELD PAINTING OF EXISTI PER PLAN	NG	STRUC	ΊU	RAL ST	EEL	., PI	RIIV	IE CO	4Ι ,	AS		U	NII	: SF
ITEM 514E00061 - FIELD PAINTING STRUCTU	RΔI	STFFI	IN	TFRM	FDI	ΔΤΕ	- CC	λΤ ς	Υςτ	FΜ		11	NIT	: SF
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ITEM 514E00067 - FIELD PAINTING STRUCTU	RAL	STEEL	., FI	NISH (OA	Τ, Α	\S F	ER PL	ΑN			U	NIT	: SF
Girders G1 & G4														
			Cı		00			(0	00					
B-B Angle Distance at Sec. C-C B-B Angle Distance at Sec. A-A	=	10	ft		.00		=	120	.00					
Distance Between Secs. C-C & A-A	=	44			.00		=	539						
Length of Painting from Girder End	=	10			.00		=	120						
B-B Angle Distance at Painting Limit	=		ft		.36		=		.36					
Avg. B-B Angle Dist. thru Painting Limits	=	5	ft	6	.68	in	=	66	.68	in				
Top Flange Cover Plate Width	=		.50											
Bottom Flange Cover Plate Width	=		.50											
Web Thickness	=	0.4	138	in										
Loft Face Painting Height	\vdash	44	.68	in										
Left Face Painting Height Right Face Painting Height	=		.68											
Bottom of Top Flange Painting Width	=		.06											
Top of Bottom Flange Painting Width	=		.06											
Bottom of Bottom Flange Painting Width	=	13.	.50	in										
Total Painting Perimeter	=	172.	.98	in										
				. 7										
Painting Area per Girder End	=	144.		ft²										
Additional for Stiffeners Painting Area per Girder End	=	151.	5% 24	ft ²										
Number of Girder Ends	=	151.	т —	11								\dashv		
G1 & G4 End Painting Area	=	605.		ft ²										
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Project HAM-042-0329			Co	omp	ute	d B	y KGR	Date	1/1	0/18	}
Description McMillan Street over Reading R	tion McMillan Street over Reading Road Checked By KSC Date 1/10/18 E00051 - SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL, AS PER UNIT: SI E00057 - FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT, AS UNIT: SI E00061 - FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT, SYSTEM UNIT: SI PER PLAN E00067 - FIELD PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN UNIT: SI G2 & G3 UNIT: SI B-B Angle Distance at Sec. C-C = 5 ft 0.00 in = 60.00 in Units SI B-B Angle Distance at Sec. C-C = 44 ft 11.00 in = 539.00 in Units SI Length of Painting from Girder End = 10 ft 0.00 in = 120.00 in Units SI B-B Angle Distance at Painting Limit = 6 ft 1.36 in = 73.36 in Units SI Checked By KSC Date 1/10/18 Checked By KSC Date 1/10/18 Interval As PER UNIT: SI UN										
	McMillan Street over Reading Road Computed By KGR Date 1/10/18 Checked By KSC Date 1/10/18 Checked By KSC Date 1/10/18 OST - SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL, AS PER UNIT: SI OST - FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT, AS UNIT: SI OST - FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT, SYSTEM UNIT: SI R PLAN OST - FIELD PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN UNIT: SI B-B Angle Distance at Sec. C-C = 5 ft 0.00 in = 60.00 in UNIT: SI B-B Angle Distance at Sec. A-A = 10 ft 0.00 in = 120.00 in UNIT: SI B-B Angle Distance at Sec. A-A = 44 ft 11.00 in = 539.00 in UNIT: SI B-B Angle Distance at Painting Limit = 6 ft 1.36 in = 73.36 in UNIT: SI Angle Dist. thru Painting Limit = 5 ft 6.68 in = 66.68 in UNIT: SI Top Flange Cover Plate Width = 18.00 in UNIT: SI Web Thickness = 0.438 in UNIT: SI Bottom Flange Painting Width = 17.56 in UNIT: SI Bottom Flange Painting Width = 17.56 in UNIT: SI Painting Area per Girder End = 155.40 ft² Number of Girder End = 155.40 ft² Number of Girder End = 163.17 ft² Number of Girder End = 163.17 ft² Number of Girder End = 4										
ITEM 514E00051 - SURFACE PREPARATION O	FΕ	KISTING S	TRUC	TUR	AL:	STE	EL, AS PI	ER .	l	JNIT	: SF
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PER PLAN											
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TIEM 514E00067 - FIELD PAINTING STRUCTU	URFACE PREPARATION OF EXISTING STRUCTURAL STEEL, AS PER IELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT, AS IELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT, SYSTEM UNIT: SF IELD PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN IIII DE PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN IIII DE PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN IIII DE PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN IIII DE PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN IIII DE PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN IIII DE PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN IIII DE PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN IIII DE PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN UNIT: SF IIII DE PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN UNIT: SF IIII DE PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN UNIT: SF IIII DE PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN UNIT: SF UNIT: SF UNIT: SF UNIT: SF IIII STRUCTURAL STEEL, PRIME COAT, AS PER PLAN UNIT: SF IIII STRUCTURAL STEEL, PRIME COAT, AS PER PLAN UNIT: SF IIII STRUCTURAL STEEL, PRIME COAT, AS PER PLAN UNIT: SF IIII STRUCTURAL STEEL, PRIME COAT, AS PER PLAN UNIT: SF IIII STRUCTURAL STEEL, PRIME COAT, AS PER PLAN UNIT: SF IIII STRUCTURAL STEEL, PRIME COAT, AS PER PLAN UNIT: SF III STRUCTURAL STEEL, PRIME COAT, AS PER PLAN UNIT: SF III STRUCTURAL STEEL, PRIME COAT, AS PER PLAN UNIT: SF III STRUCTURAL STEEL, PRIME COAT, AS PER PLAN UNIT: SF III STRUCTURAL STEEL, PRIME COAT, AS PER PLAN UNIT: SF III STRUCTURAL STEEL, PRIME COAT, AS PER PLAN UNIT: SF III STRUCTURAL STEEL, PRIME COAT, AS PER PLAN UNIT: SF III STRUCTURAL STEEL, PRIME COAT, AS PER PLAN UNIT: SF III STRUCTURAL STEEL, PRIME COAT, AS PER PLAN III STRUCTURAL STEEL, PRIME COAT		: SF								
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Girders G2 & G3											
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Avg. B-B Angle Dist. thru Painting Limits	+-					=					
Top Flange Cover Plate Width	=	18.00	in								
Bottom Flange Cover Plate Width	=	18.00	in								
Web Thickness	=	0.438	in								
	=	66.68	in								
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PER PLAN	AMN-042-0329																			
	AM-042-0329			: SF																
		AND STREET OVER READING ROAD Checked By KSC Date 1/10/18 JUNIT: SP JUNIT:			_															
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End Floor Po	am		Checked By KSC Date 1/10/18 CACE PREPARATION OF EXISTING STRUCTURAL STEEL, AS PER DIPAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT, AS DIPAINTING STRUCTURAL STEEL, INTERMEDIATE COAT, SYSTEM DIPAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN UNIT: SF DIPAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN UNIT: SF DIPAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN UNIT: SF DIPAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN UNIT: SF DIPAINTING STRUCTURAL STEEL, PRIME COAT, AS UNIT																	
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		Sec	Checked By KSC Date 1/10/18 ACE PREPARATION OF EXISTING STRUCTURAL STEEL, AS PER PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT, AS PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT, SYSTEM UNIT: SF PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN UNIT: SF PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN UNIT: SF PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN UNIT: SF PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN UNIT: SF PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN UNIT: SF PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN UNIT: SF PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN UNIT: SF PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN UNIT: SF PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN UNIT: SF PAINTING STRUCTURAL STEEL, PRIME COAT, AS PER PLAN UNIT: SF PAINTING STRUCTURAL STEEL, PRIME COAT, AS PER PLAN UNIT: SF PAINTING STRUCTURAL STEEL, PRIME COAT, AS PER PLAN UNIT: SF PAINTING STRUCTURAL STEEL, PRIME COAT, AS PER PLAN UNIT: SF PAINTING STRUCTURAL STEEL, PRIME COAT, AS PER PLAN UNIT: SF PAINTING STRUCTURAL STEEL, PRIME COAT, AS PER PLAN UNIT: SF PAINTING STRUCTURAL STEEL, PRIME COAT, AS PER PLAN UNIT: SF PAINTING STRUCTURAL STEEL, PRIME COAT, AS PER PLAN UNIT: SF PAINTING STRUCTURAL STEEL, PRIME COAT, AS PER PLAN UNIT: SF PAINTING STRUCTURAL STEEL, PRIME COAT, AS PER PLAN UNIT: SF PAINTING STRUCTURAL STEEL, PRIME COAT, AS PER PLAN UNIT: SF PAINTING STRUCTURAL STEEL, PRIME COAT, AS PER PLAN UNIT: SF PAINTING STRUCTURAL STEEL, PRIME COAT, AS PER PLAN UNIT: SF PAINTING STRUCTURAL STEEL, PRIME COAT, AS PER PLAN UNIT: SF PAINTING STRUCTURAL STEEL, PRIME COAT, AS PER PLAN UNIT: SF PAINTING STRUCTURAL STEEL, PRIME COAT, AS PE																	
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Description McMillan Street over Reading Road

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Description McMillan Street over Reading Road

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Description McMillan Street over Reading Road

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Description McMillan Street over Reading Road

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Description McMillan Street over Reading Road

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Description McMillan Street over Reading Road

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Description McMillan Street over Reading Road

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Project HAM-042-0329

Description McMillan Street over Reading Road

EM 519E1	1101 - PATCHING CO	NCRETE STRUCTUI	RE, AS PER PLAN		UNIT: S
West Abut	ment				
Mesi Apui					
Stem					
Sterri	Delamination	Approv	Approv	Annroy	
		Approx.	Approx.	Approx.	
	or Spall	Width	Height 4.00 ft	Area Area	
	1	2.00 ft		8.00 ft ²	
	2	3.00 ft	2.00 ft	6.00 ft ²	
	3	2.00 ft	2.00 ft	4.00 ft ²	
	4	2.00 ft	1.00 ft	2.00 ft ²	
				00.00.517	
			Subtotal	= 20.00 ft ²	
			Contingency	= 20%	
			Total	$= 24.00 \text{ ft}^2$	
			Rounded Total	= 24.00 ft ²	
Top of F					
	Delamination	Approx.	Approx.	Approx.	
	or Spall	Width	Length	Area	
	N. End of Joint	5.00 ft	0.50 ft	2.50 ft ²	
	S. End of Joint	5.00 ft	0.50 ft	2.50 ft ²	
			Subtotal	= 5.00 ft ²	
			Contingency	= 20%	
			Total	= 6.00 ft ²	
			Rounded Total	= 6.00 ft ²	
				Subtotal	Sheet 1 of
					0 SF

Project HAM-042-0329

Description McMillan Street over Reading Road

M 519E1	1101 - PATCHING COI	NCRETE STRUCTUR	RE, AS PER PLAN		UNIT:
ast Abutn	nent				
Stem					
Stem	Delamination	Approv	Approv	Approv	
	or Spall	Approx. Width	Approx. Height	Approx. Area	
	1 1	4.00 ft	10.00 ft	40.00 ft ²	
	2	1.00 ft	3.00 ft	3.00 ft ²	
	3	1.00 ft	4.00 ft	4.00 ft ²	
	4	2.00 ft	1.00 ft	2.00 ft ²	
	5	2.00 ft	1.00 ft	2.00 ft ²	
North P	Pylon				
	Delamination	Approx.	Approx.	Approx.	
	or Spall	Width	Height	Area	
	1	1.00 ft	6.00 ft	6.00 ft ²	
	2	1.00 ft	6.00 ft	6.00 ft ²	
	3	1.00 ft	3.00 ft	3.00 ft ²	
			Subtotal	$= 66.00 \text{ ft}^2$	
			Contingency	= 20%	
			Rounded Total	= 79.20 ft ² $=$ 79.00 ft ²	
			Rounded Total	= 79.00 ft ²	
Top of I	Hondor				
ΤΟΡΟΙΙ	Delamination	Approx.	Approx.	Approx.	
	or Spall	Width	Length	Approx.	
	N. End of Joint	5.00 ft	0.50 ft	2.50 ft ²	
	S. End of Joint	5.00 ft	0.50 ft	2.50 ft ²	
	OI ZIIG OI SOIIIC	3.33 11	0.00 10	2.00 10	
			Subtotal	= 5.00 ft ²	
			Contingency	= 20%	
			Total	= 6.00 ft ²	
			Rounded Total	= 6.00 ft ²	
\bot					
					Sheet 2 of S5 SF

Project HAM-042-0329

Description McMillan Street over Reading Road

TEM 519	9E11101 - PATCHING CO	NCRETE STRUCTUR	E, AS PER PLAN		UNIT: S
West P	Pier Foundation				
	Delamination	Approx.	Approx.	Approx.	
	or Spall	Width	Height	Area	
	1	1.00 ft	1.00 ft	1.00 ft ²	
	2	1.00 ft	1.50 ft	1.50 ft ²	
	3	2.00 ft	2.50 ft	5.00 ft ²	
	4	1.00 ft	1.50 ft	1.50 ft ²	
			Subtotal	= 9.00 ft ²	
			Contingency	= 20%	
			Total	= 10.80 ft ²	
			Rounded Total	= 11.00 ft ²	
East Pie	er Foundation				
	Delamination	Approx.	Approx.	Approx.	
	or Spall	Width	Height	Area	
	1 1	4.83 ft	2.50 ft	12.08 ft ²	
	2	1.50 ft	2.50 ft	3.75 ft ²	
	3	1.00 ft	1.00 ft	1.00 ft ²	
	4	2.00 ft	2.00 ft	4.00 ft ²	
	5	1.00 ft	2.00 ft	2.00 ft ²	
	6	1.00 ft	2.00 ft	2.00 ft ²	
	7	4.00 ft	2.00 ft	8.00 ft ²	
	8	5.00 ft	2.50 ft	12.50 ft ²	
	9	2.00 ft	1.00 ft	2.00 ft ²	
	10	1.00 ft	1.00 ft	1.00 ft ²	
			Subtotal	= 48.33 ft ²	
			Contingency	= 20%	
			Total	= 58.00 ft ²	
			Rounded Total	= 58.00 ft ²	
				Subtotal	Sheet 3 of
					9 SF
					All Sheets
					4 SF

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Description McMillan Street over Reading Road

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Project HAM-042-0329

Computed By KGR Date 1/9/18 Description McMillan Street over Reading Road Checked By Date KSC 1/10/18

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Description McMillan Street over Reading Road

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Description McMillan Street over Reading Road

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Description McMillan Street over Reading Road

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Project HAM-042-0329

Description McMillan Street over Reading Road

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Project HAM-042-0329

Description McMillan Street over Reading Road

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Description McMillan Street over Reading Road

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Description McMillan Street over Reading Road

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Description McMillan Street over Reading Road

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Description McMillan Street over Reading Road

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Description McMillan Street over Reading Road

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Description McMillan Street over Reading Road

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Description McMillan Street over Reading Road

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Description McMillan Street over Reading Road

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