# AASHTOWare Project Project Cost Estimate Creation User Guide

This guide provides the steps to properly import an Estimator (.est) file in AASHTOWare project (AWP) and create an associated cost estimate. Please follow the instructions below. Additional information regarding the development of a project and cost estimate using the Project Enty Template or directly in AWP can be found on our website.

### Contents

Export Estimator File to AASHTOWare Project	1
Import Estimator XML File into AASHTOWare Project	6
Update Project Summary Information	9
Modify Project Asset Categories	. 11
Associate Asset Category IDs to Project Items	.13
Update Project Fund Packages	.16
Clear Project Prices before Cost Estimate Creation	. 18
Create Project Cost Estimate	.21
Calculate Bid Based Unit Prices for All Items	. 23
Calculate Bid Based Unit Prices for Individual Items	. 25
Add Contingency Percentage	.26
Add Incidental Percentage	. 27
Add Inflation	. 28
Snapshots and Cost Estimate Phase Transition	.31

### Export Estimator File to AASHTOWare Project

- 1. Open Estimator shortcut on your desktop
- 2. If working from home, please use VPN or RDP to access the CTDOT hosted Estimator server

3. Enter User name and password

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- 4. Select proper .est Estimator file to open (1)
- 5. Select "Open" (2)

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- 7. Select page 2 (2)

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	0201001-CLEARING AND GRUBBING: Quantity:1.00 L5: Unit Cost \$43,080.00000; T	Spec Year 11 Pricing Profile 3YRENG -	
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	0202217-SUPPLEMENTAL STREAMBED CHANNEL MATERIAL: ** See Special Prov	Utitar/Rand Type RUR V Rus	
	0202529-CUT BITUMINOUS CONCRETE PAVEMENT: Quantity:150.00 Lf.: Unit Cos		
	0204151-HANDLING WATER; ** See Special Provisions **Quantity:1.00 LS; Unit Co	Lattude of Midpoint (DDIMMSS) 414242 Season SUMM SUMMER	
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	0211000-ANTI-TRACKING PAD; Quantity:170.00 s.y.; Unit Cost \$27.89940; Total \$4	GPE Lateral of Meteory (DD DDDD) [41 7117	
	0219001-SEDIMENTATION CONTROL SYSTEM: Quantity:1,090.00 Lf.; Unit Cost \$6		
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÷-1	0305000-PROCESSED AGGREGATE; Quantity:70.00 ton; Unit Cost \$66.56674; Total	Improvement Type	
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	0406236-MATERIAL FOR TACK COAT; Quantity:140.00 gal; Unit Cost \$15.57910; T	Estilate Cost 1,100,40.01	
	0409001-FINE MILLING OF BITUMINOUS CONCRETE (0in TO 4in); Quantity:2,290.	(Leave this field blank) Contingency % 40.00	
œ-1	0703008-HEAVY RIPRAP; ** See Special Provisions **Quantity:960.00 c.y.; Unit Co	Default Fund Package Etimate Total 1.540,757.13	
- 1	0703014-ROUNDED RIPRAP; ** See Special Provisions **Quantity:240.00 c.y.; Unit	Carriere Total 1, 240, 727, 13	
	0703030-PLACEMENT OF CHANNEL BOULDER; ** See Special Provisions **Quant		
	0716000-TEMPORARY EARTH RETAINING SYSTEM; Quantity:2,470.00 s.f.; Unit Co	C Description	
	0755009-GEOTEXTILE; ** See Special Provisions **Quantity:490.00 s.y.; Unit Cost \$		
	0755010-GEOTEXTILE (SEPARATION - MEDIUM SURVIVABILITY); Quantity:300.00		
	0755014-GEOTEXTILE (SEPARATION - HIGH SURVIVABILITY); Quantity:1,040.00 s.) 0822100.01-TEMPORARY TRAFFIC BARRIER: Quantity:540.00 Lf.: Unit Cost \$43.24	SLOPE STABILIZATION ON ROUTE 45 AT LAKE WARAMAUG BROOK	
	0822100.01-TEMPORARY TRAFFIC BARRIER; Quantity:340.00 Lt; Unit Cost 343.24 0822101.01-RELOCATED TEMPORARY TRAFFIC BARRIER; Quantity:220.00 Lt; Unit		
	0910300-METAL BEAM RAIL (R-B MASH); Quantity:588.00 Lf.; Unit Cost \$27.7971		
	0910300-METAL BEAM RAIL (Nº MASH); Quantity:3600 11; Unit Cost 327.7971 0911923-R-B END ANCHORAGE-TYPE I; Quantity:3.00 ea.; Unit Cost \$1,379.36471		
	0912499-REMOVE CABLE GUIDE RAIL: Quantity: 191.00 Lf.; Unit Cost \$5,91851: Tol		
	0912503-REMOVE METAL BEAM RAIL: Quantity:25.00 Lf.; Unit Cost \$2,68138; Tota		
	0939001-SWEEPING FOR DUST CONTROL; Quantity:70.00 hr; Unit Cost \$33.71905		
	0944000-FURNISHING AND PLACING TOPSOIL; Quantity:1,960.00 s.y.; Unit Cost 5		
	0950005-TURF ESTABLISHMENT; Quantity:1,040.00 s.y.; Unit Cost \$3.09515; Total		
	0950039-EROSION CONTROL MATTING TYPE D; Quantity:2,780.00 s.y.; Unit Cost		
	0950040-CONSERVATION SEEDING FOR SLOPES; ** See Special Provisions **Quar	Page 2 kites 2	
÷-1	0969062-CONSTRUCTION FIELD OFFICE, MEDIUM; ** See Special Provisions **Qu		
÷-1	0970007-TRAFFICPERSON (UNIFORMED FLAGGER); ** See Special Provisions **Q	Group Name Group Total Alternate Code Description Supplemental Group Number Fund Package	
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÷-]	0974001-REMOVAL OF EXISTING MASONRY; Quantity:60.00 c.y.; Unit Cost \$313.0		
-	0975004-MOBILIZATION AND PROJECT CLOSEOUT; Quantity:1.00 LS; Unit Cost \$		
	0976002-BARRICADE WARNING LIGHTS - HIGH INTENSITY; Quantity:900.00 day;		
	0977001-TRAFFIC CONE; Quantity:24.00 ea.; Unit Cost \$22,99853; Total \$551.96		
	0978002-TRAFFIC DRUM; Quantity:24.00 ea.; Unit Cost \$37.19205; Total \$892.61		
	0979003-CONSTRUCTION BARRICADE TYPE III; Quantity:6.00 ea.; Unit Cost \$55.4		
	0980020-CONSTRUCTION SURVEYING; Quantity: 1.00 L5; Unit Cost \$14,360.00000;		
	0981100-42" TRAFFIC CONE; Quantity:24.00 ea; Unit Cost \$44.48932; Total \$1,067 1111201-TEMPORARY DETECTION (SITE NO. 1); ** See Special Provisions **Quant		
	1111201- TEMPORARY DETECTION (SITE NO. 1); ** See Special Provisions **Quant 1118051-TEMPORARY SIGNALIZATION (SITE NO. 1); ** See Special Provisions **C		
	1206023-REMOVAL AND RELOCATION OF EXISTING SIGNS; ** See Special Provisions		
	1208937-SIGN FACE - SHEET ALUMINUM (TYPE XI RETROREFLECTIVE SHEETING)		
	1209124-HOT-APPLIED PAINTED PAVEMENT MARKINGS 4" WHITE: Quantity:800		
	1209131-HOT-APPLIED PAINTED LEGEND, ARROWS AND MARKINGS; Quantity:6		
	1210101-4in WHITE EPOXY RESIN PAVEMENT MARKINGS: Quantity: 1.200.00 I.f.: L		
	1210102-4in YELLOW EPOXY RESIN PAVEMENT MARKINGS; Quantity:1,200.00 I.f.		
	1210105-EPOXY RESIN PAVEMENT MARKINGS, SYMBOLS AND LEGENDS; Quanti		
	1211001-REMOVAL OF PAVEMENT MARKINGS; Quantity:400.00 s.f.; Unit Cost \$2.		
	1212002-TEMPORARY PLASTIC PAVEMENT MARKING TAPE - 4" WHITE; Quantity		
	1214002-6" PREFORMED BLACK LINE MASK PAVEMENT MARKING TAPE; Quanti		
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- 8. Ensure all Page 2 header information is Blank. Data in these fields may cause errors during the import process (1)
- 9. Select each group individually (2)

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	0211000-ANTI-TRACKING PAD: Quantity:170.00 s.y.: Unit Cost \$27,89940; Total \$4									
	0219001-SEDIMENTATION CONTROL SYSTEM; Quantity:1,090.00 Lf; Unit Cost \$6									
	O304002-PROCESSED AGGREGATE BASE: Quantity:430.00 c.y.: Unit Cost \$56,7562									
	I 0305000-PROCESSED AGGREGATE; Quantity:70.00 ton; Unit Cost \$66.56674; Total									
	0406171-HMA S0.5; Quantity:270.00 ton; Unit Cost \$174.10185; Total \$47,007.50									
	O406236-MATERIAL FOR TACK COAT; Quantity:140.00 gal; Unit Cost \$15.57910; T									
	0409001-FINE MILLING OF BITUMINOUS CONCRETE (0in TO 4in); Quantity:2,290.									
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	0939001-SWEEPING FOR DUST CONTROL; Quantity:70.00 hr; Unit Cost \$33.71905									
	0944000-FURNISHING AND PLACING TOPSOIL; Quantity:1,960.00 s.y.; Unit Cost 5									
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	0970007-TRAFFICPERSON (UNIFORMED FLAGGER); ** See Special Provisions **Q	1 m	Group Name	Group Total	Alternate Code	Description		Supplemental Group Number	Fund Package	
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	0975004-MOBILIZATION AND PROJECT CLOSEOUT: Quantity:1.00 LS: Unit Cost 5									
	0976002-BARRICADE WARNING LIGHTS - HIGH INTENSITY; Quantity:900.00 day;									
	0977001-TRAFFIC CONE: Quantity:24.00 ea: Unit Cost \$22.99853; Total \$551.96									
	0978002-TRAFFIC DRUM: Quantity:24.00 ea: Unit Cost \$22.99655; Total \$551.96									
	0979003-CONSTRUCTION BARRICADE TYPE III; Quantity:6.00 ea; Unit Cost \$55.4									
	O980020-CONSTRUCTION SURVEYING; Quantity:1.00 LS; Unit Cest \$14,360.00000;									
	0981100-42" TRAFFIC CONE; Quantity:24.00 ea.; Unit Cost \$44,48932; Total \$1,067									
	I 1111201-TEMPORARY DETECTION (SITE NO. 1); ** See Special Provisions **Quant									
	I 1118051-TEMPORARY SIGNALIZATION (SITE NO. 1); ** See Special Provisions **C									
	I 1206023-REMOVAL AND RELOCATION OF EXISTING SIGNS; ** See Special Provisi									
	1208937-SIGN FACE - SHEET ALUMINUM (TYPE XI RETROREFLECTIVE SHEETING);									
Ð	1209124-HOT-APPLIED PAINTED PAVEMENT MARKINGS 4" WHITE; Quantity:800									
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	1210101-4in WHITE EPOXY RESIN PAVEMENT MARKINGS: Quantity:1,200.00 Lf.: L									
	1210102-4in YELLOW EPOXY RESIN PAVEMENT MARKINGS; Quantity:1,200.00 Lf.									
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	1212002-TEMPORARY PLASTIC PAVEMENT MARKING TAPE - 4" WHITE; Quantity									
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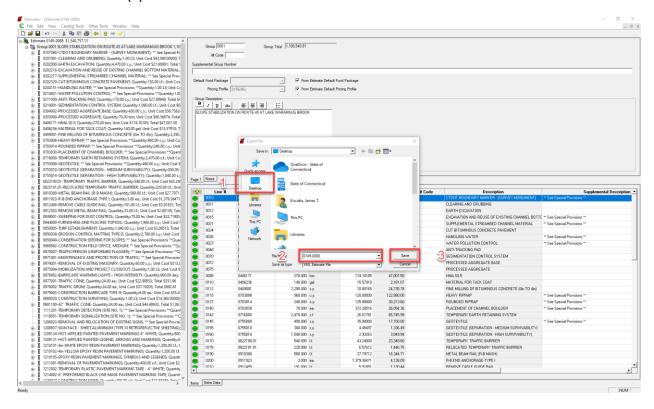
- 10. Ensure a description is included in the Group Description field (1)
- 11. Ensure all "\*\* See Special Provisions \*\*" labels are enter exactly as required. Two asterisk, one space between the leading and trailing "s". If these labels are not exact an error will be generated during the Estimator import process. (2)
- 12. Select File to begin the export process (3)

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I 0107090-CTDOT BOUNDARY MARKER - (SURVEY MONUMENT)		At Code							
I 0201001-CLEARING AND GRUBBING; Quantity:1.00 L5; Unit Cos		,							
I 0202000-EARTH EXCAVATION; Quantity:4,470.00 c.y.; Unit Cost		olemental Group Nur	iber						
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I 0202217-SUPPLEMENTAL STREAMBED CHANNEL MATERIAL; **		ault Fund Package		✓ From Estimate Default I	and Bankaran				
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I 0204151-HANDLING WATER; ** See Special Provisions **Quanti		Pricing Profile	3YRENG	- From Estimate Default	ticing Profile				
O210821-WATER POLLUTION CONTROL; ** See Special Provisio		oup Description							
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OS04002-PROCESSED AGGREGATE DASE; Quantity:450.00 C.y; 0     O305000-PROCESSED AGGREGATE: Quantity:70.00 tor: Unit Cos		OPE STABILIZATIO	ON ON ROUTE 45 AT LAP	E WARAMAUG BROOK					
0406171-HMA S0.5; Quantity:270.00 ton; Unit Cost \$174.10185; '									
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Odde256-MATERIAL FOR TACK COAT; Quantity: 14000 ga; Unit     Odd9001-FINE MILLING OF BITUMINOUS CONCRETE (0in TO 4in					1				
I 0703008-HEAVY RIPRAP: ** See Special Provisions **Quantity:90					U				
O703014-ROUNDED RIPRAP; ** See Special Provisions **Quantit									
I 0703030-PLACEMENT OF CHANNEL BOULDER: ** See Special P									
0716000-TEMPORARY EARTH RETAINING SYSTEM: Quantity:2.4									
0755009-GEOTEXTILE; ** See Special Provisions **Quantity:490.0									
I 0755010-GEOTEXTILE (SEPARATION - MEDIUM SURVIVABILITY);									
1 0755014-GEOTEXTILE (SEPARATION - HIGH SURVIVABILITY); Qu	antites1.040.00.cs	(mail)							
I 0822100.01-TEMPORARY TRAFFIC BARRIER; Quantity:540.00 Lf.;	Unit Cost \$43.24 Page	1 Notes							
I 0822101.01-RELOCATED TEMPORARY TRAFFIC BARRIER; Quant									
I 0910300-METAL BEAM RAIL (R-B MASH); Quantity:588.00 Lf.; U		Line #	Item	Quantity Unit	Unit Price	Extension	Alt Code	Description	Supplemental D
I 0911923-R-B END ANCHORAGE-TYPE I; Quantity:3.00 ea.; Unit		0010	0107090	3.000 ea	938.73445	2,816.20		CTDOT BOUNDARY MARKER - (SURVEY MONUMENT)	** See Special Provisions **
	Cost \$5.91851; Tot 😡	0011	0201001	1.000 LS	43,090.00000	43,080.00		CLEARING AND GRUBBING	
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I 0912503-REMOVE METAL BEAM RAIL; Quantity:25.00 l.f.; Unit C 0939001-SWEEPING FOR DUST CONTROL; Quantity:70.00 hr; Un	Cost \$2.68138; Tota		0202000 0202216	4,470.000 c.y. 50.000 c.y.	21.60981 97.34232	96,595.85 4,867.12		EARTH EXCAVATION EXCAVATION AND REUSE OF EXISTING CHANNEL BOT	* See Special Provisions **
Î         0912503-REMOVE METAL BEAM RAIL; Quantity:25.00 Lf.; Unit C           I         0939001-SWEEPING FOR DUST CONTROL; Quantity:70.00 hr; Unit C           I         0944000-FURNISHING AND PLACING TOPSOIL; Quantity:1,960.1	Cost \$2.68138; Tot/ nit Cost \$33.71905; 00 s.y; Unit Cost \$	0012							** See Special Provisions ** ** See Special Provisions **
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O912503-REMOVE METAL BEAM RAIL; Quantity/25.00 Lf; Unit C     O939001-SWEEPING FOR DUST CONTROL; Quantity/25.00 Lf; Unit C     O949000-SWEEPING FOR DUST CONTROL; Quantity/1,960.     O940005-TURNISHING AND PLACING TOPSOIL; Quantity/1,960.     O950039-TURE STABLISHHENT; Quantity 1,040.00 s;; Unit C     O950039-EROSION CONTROL MATTING TYPE D; Quantity/2,780.	Cost \$2.68138; Tota nit Cost \$33.71905 00 s.y.; Unit Cost \$ st \$3.09515; Total 100 s.y.; Unit Cost	0012 0015 0021	0202216 0202217	50.000 c.y. 1.000 est.	97.34232 1,000.00000	4,867.12 1,000.00		EXDAVATION AND REUSE OF EXISTING CHANNEL BOTT SUPPLEMENTAL STREAMBED CHANNEL MATERIAL	
0912503-REMOVE METAL BEAM RAIL; Quantity-25.00 Lf; Unit C     0939001-SWEEPING FOR DUST CONTROL; Quantity-70.00 h; U     0944000-FUNRISHIG AND PLATION TOPSOIL; Quantity-1,980.     0950030-ENDERSIDAMENT; Quantity-1,080.00 s;; Unit C     0950030-EROSION CONTROL MATTING TYPE D; Quantity-2,780.     0950040-CONSERVATION SEEDING FOR \$1,00F8; '' See Special	Cost \$2.68138; Toti init Cost \$33.71905; 00 s.y.; Unit Cost \$ st \$3.09515; Total 00 s.y.; Unit Cost Provisions **Quai	0012 0015 0021 0024	0202216 0202217 0202529	50.000 c.y. 1.000 est. 150.000 Lf.	97.34232 1,000.00000 5.98140	4,867.12 1,000.00 897.21		EXCAVATION AND REUSE OF EXISTING CHANNEL BOT SUPPLEMENTAL STREAMBED CHANNEL MATERIAL CUT BITUMINOUS CONCRETE PAVEMENT	** See Special Provisions **
101203-IEMOVE METAL BEAM RAIL: Quantity-25.00 Lf: Unit 0038001-SNEPROFEOR DUST COMPRESSION De LH 0038001-SNEPROFEOR DUST COMPRESSION DE LH 0048005-TURE ESTABLISHHERT; Quantity-1,1900 003003-IRG3000 CONTROL MARTING YPE C: Quantity-1,2900 003003-R03000 CONTROL MARTING YPE C: Quantity-1,2900 003003-R03000 CONTROL MARTING YPE C: Quantity-1,2900 003003-R03000 CONTROL MARTING YPE C: Quantity-1,2900 003003-R030000 CONTROL MARTING YPE C: QUANTITY-1,2900 003003-R0300000 CONTROL MARTING YPE C: QUANTITY-1,2900 003003-R0300000 CONTROL MARTING YPE C: QUANTITY-1,2900 004000-CONTROL YPE C: QUANTITY-1,2900 00400-CONTROL YPE C:	Cost \$2.68138; Toti init Cost \$33.71905; 00 s.y.; Unit Cost \$ st \$3.09515; Total 00 s.y.; Unit Cost \$ Provisions **Quai al Provisions **Qu	0012 0015 0021 0024 0026 0027	0202216 0202217 0202529 0204151 0210821	50.000 c.y. 1.000 est. 150.000 Lf. 1.000 LS 1.000 est.	97.34232 1.000.00000 5.98140 120.000.00000 10.000.00000	4,867.12 1,000.00 897.21 120,000.00 10,000.00		EXCAVATION AND REUSE OF EXISTING CHANNEL BOT SUPPLEMENTAL STREAMBED CHANNEL MATERIAL CUT BITUMINOUS CONCRETE PAVEMENT HANDLING WATER WATER POLLUTION CONTROL	** See Special Provisions ** ** See Special Provisions **
0912303-ERMOVE NETAL REAM RAIL: Quantity_25.00 1/; June 7 093001-SVERMIS FOR DUIS CONTING: Quantity_17000 hr Lin 094000-VIENNISHIG AMD PLACING TOPSOL; Quantity_1700 095005-TIUE TATALISHMENTE: Quantity_17000 095005-TIUE TATALISHMENTE: Quantity_17000 0950040-CONSTRUCTION IELD OFFICE; MEDIUM: "Se Speci 0950007-TIMEFORSION (UNIFORMED FLAGGRE)" Se Speci 095007-TIMEFORSION (UNIFORMED FLAGGRE)" Se Speci	Cost \$2.68138; Tota int Cost \$33.71905; 00 s.yc; Unit Cost \$ 453.09515; Total 100 s.yc; Unit Cost Provisions "Quai al Provisions "Q	0012 0015 0021 0024 0026 0027 0048	0202216 0202217 0202529 0204151 0210821 021000	50.000 c.y. 1.000 est. 150.000 I.f. 1.000 est. 1.000 est. 170.000 s.y.	97.34232 1.000.00000 5.99140 120.000.00000 10.000.00000 27.89940	4,867.12 1,000.00 897.21 120,000.00 10,000.00 4,742.90		EXCAVATION AND REUSE OF EXISTING CHANNEL BOT SUPPEMENTAL STREAMED CHANNEL MATERIAL CUT BITUMNOUS CONCRETE RAVEMENT HANDLING WATER WATER POLLUTION CONTROL ANTI-TRACING RAD	** See Special Provisions ** ** See Special Provisions **
OP3209-DRAWDY METAL BEAM PAIL: Quantify.25 001 /L Unit C OP38001-SHEEPA DEP OR UIST CONTROL Cuantify.71 000 IL OP38001-VERPERFER POR UIST CONTROL Cuantify.71 000 IL OP38001-FURPERFER DEP OR UIST CONTROL CUANTIFY. I OF 2000 OP38001-FURPERFER DEP OR UIST CONTROL CUANTIFY. OP38001-FURPERFER DEP OR UIST CONTROL CUANTIFY. OP38001-CONERDA IL OLIVIO FURPERFER OP38001-FURPERFER DEP OR UIST CONTROL CUANTIFY. OP38001-CONERDA IL OLIVIO FURPERFER OP38001-FURPERFER DEP OR UIST CONTROL CUANTIFY. OP38001-FURPERFER DEP OR UIST CONTROL CUANTIFY. OP38001-FURPORFER	Cost \$2.68138; Tota init Cost \$33.71905; 00 s.y.; Unit Cost \$ 00 s.y.; Unit Cost \$ 0	0012 0015 0021 0024 0026 0027 0048 0070	0202216 0202217 0202529 0204151 0210821 0210821 0211000 0219001	50.000 c.y. 1.000 est. 150.000 Lf. 1.000 LS. 1.000 LS. 170.000 s.y. 1.090.000 Lf.	97.34232 1.000.00000 5.98140 120.000.00000 10.000.00000 27.89940 6.31126	4,867.12 1,000.00 897.21 120,000.00 10,000.00 4,742.90 6,879.27		EXEAVATION AND REUSE OF EXISTING EXAMINEL BOT SUPPLEMENTAL STREAMED EXHAULT ANTERIAL CUT BITUMMOUS CONCRETE PAVEMENT HANCUNG WATER WATER POLLUTION CONTROL ANTI-TRACKING PAD SEDIMENTATION CONTROL SYSTEM BROCESSER ADDREAST RASE	** See Special Provisions ** ** See Special Provisions **
01520-08800/5 METAL EXAM FALL, Cavarhy,2:50 NJ, Unit C 098300 - SNEPPAR SFOR USI CONTROL, Cavathy, 7:00 De U 098400 - VIENSHING AND PLACINI D'ESCIL, Cavathy, 7:00 De U 098400 - VIENSHING AND PLACINI D'ESCIL, Cavathy, 7:00 De U 098500 - FARSING CONTROL ANTINIS TYPE D, Cavathy, 7:00 De U 098500 - CONSTRUCTION ESEING FOR DORS - 558 Special 098600 - CONSTRUCTION HIGH DOFFIC, MEDIUM - 568 Speci 098000 - VIENSHIESON, UNIVORMAN DORS - 558 Special 098600 - CONSTRUCTION FILD OFFIC, MEDIUM - 568 Speci 097000 - MAINTENDAL AND PROTICTION OF TRAFFIC - "568 097000 - MAINTENDAL AND PROTICTION OF TRAFFIC - "568	Cost \$2.68138; Tota init Cost \$33.71905; st \$3.09515; Total 00 s <sub>2</sub> y Unit Cost { Provisions "Qua al Provisions "Qua al Provisions "Qua e Special Provision y Unit Cost \$313.2	0012 0015 0021 0024 0026 0027 0048 0070 0072	0202216 0202217 0202529 0204151 0210821 0210821 0211000 0219001 0304002	50.000 c.p. 1.000 est. 150.000 kf. 1.000 ks. 1.000 est. 1.70000 s.p. 1.090000 kf. 4.0000 c.p.	97.34232 1.000.00000 5.98140 120.000.00000 10.000.00000 27.89940 6.31126 56.79624	4,867.12 1,000.00 897.21 120,000.00 10,000.00 4,742.90 6,879.27 24,405.18		EXEAVATION AND REUSE OF EXISTING EXAMINEL BOT SUPPLEMENTAL STREAMED EXHAULT ANTERIAL CUT BITUMMOUS CONCRETE PAVEMENT HANCUNG WATER WATER POLLUTION CONTROL ANTI-TRACKING PAD SEDIMENTATION CONTROL SYSTEM BROCESSER ADDREAST RASE	** See Special Provisions ** ** See Special Provisions **
01320-01400/02         MTEAL ERAM RAIL, Quanting J.S.D.M. (Junc 1090000-300000-3000000000000000000000000	Cost \$2.68138; Tota int Cost \$2.68138; Tota 00 s <sub>2</sub> y, Unit Cost \$ et \$3.09515; Total 00 s <sub>2</sub> y, Unit Cost \$ et \$3.09515; Total 00 s <sub>2</sub> y, Unit Cost \$ et \$2.68159; Total 10 Provisions "Qual et Provisions "Qual et Provisions "Q et \$2.68138; Cost \$ et	0012 0015 0021 0024 0026 0027 0048 0070 0070 0072 0075	0202216 0202217 0202529 0204151 0210621 0210621 021000 0215001 025000	50.000 c.p. 1.000 est. 150.000 it. 1.000 LS 1.000 is. 1770.000 is. 1.199.000 it. 430.000 c.p. 7.0000 ton	97.34232 1.000.00000 5.98140 120.000.00000 27.89940 6.31128 56.75624 66.56674	4,867.12 1,000.00 897.21 120,000.00 4,742.90 6,879.27 24,405.18 4,659.67		DISANATION AND REUSE OF DISTING CHANNEL BOT SUMPLENENTLA STRAGED CHANNEL MATERIAL CUT BTILMINOUS CONCRETE PAVEMENT HANDLING VATER WATER POLLITION CONTROL ANTE THACHNO MO SEGMENTATION CONTROL SYSTEM FMOCESSED AGGREGATE BASE PROCESSED AGGREGATE BASE	** See Special Provisions ** ** See Special Provisions **
01520-88MOVE MITAL EXAM RAIL, QuantingJ.30 MI, Unit C 095800-598EPN 507 ROUTS CONTROL, CuantingJ.30 Dis 098800-598EPN 507 ROUTS CONTROL, CuantingJ.30 Dis 098800-5148E FALSIGNEHITS, QuantingJ.30 Sig. Unit C 098800-1485500 CONTROL ANATINIS TYPE D; QuantingJ.30 098800-CONSTRUCTION FEED OFFIC: MIDIUM "see Speci 098800-CONSTRUCTION FEED OFFIC: MIDIUM "see Speci 098800-CONSTRUCTION FEED OFFIC: MIDIUM "see Speci 098800-CONSTRUCTION PED OFFIC: MIDIUM "see Speci 098800-CONSTRUCTION PED OFFIC: MIDIUM "see Speci 097800-MINITERION OF DISTING MAGNING Quantify.Clin 097800-BARNOVE OF DISTING MAGNING Quantify.Clin 097800-BARNOVE OF DISTING MAGNING Quantify.Clin 097800-BARNOVE QUANTING DISTING MAGNING Quantify.Clin 097800-BARNOVE QUANTING UNIT FILM THIS THOM TO 097800-BARNOVE QUANTING UNIT FILM THIS THOM THIS THOM 0978000-BARNOVE QUANTING UNIT FILM THIS THOM THIS THOM 097800-BARNOVE QUANTING UNIT FILM THIS THOM THIS THOM THIS THOM 097800-BARNOVE QUANTING UNIT FILM THIS THOM	Cost \$2.68138; Tote int Cost \$33,71905; Oo say, Unit Cost \$ est \$3.09515; Total oo say, Unit Cost \$ provisions "Cuai al Provisions "Cu especial Provisions "Cu espe	0012 0015 0021 0024 0026 0027 0048 0007 0048 0070 0075 0065	0202216 0202217 0202529 0204151 0210821 0211000 0219001 0304002 0305000 0406171	50.000 cy. 1.000 ett. 150.000 LS 1.000 ett. 1.000 ett. 1.090.000 LF. 4.30.000 cy. 7.0000 ton	97.34232 1.000.00000 5.98140 120.000.00000 27.89940 6.31126 95.75624 66.56674 174.10185	4,867.12 1,000.00 897.21 120,000.00 4,742.90 6,879.27 24,405.18 4,659.67 47,007.50		DCXANTEN AND REUSE OF DOT THIS CHANNEL BOTT SUPPLICHTUTAL TREAMED CHANNEL MATERIAL CUT BITUMOUS CONCRETE PROVEMENT HANDLING WATER WATER POLLITION CONTROL ANTI-TRACKING PROL SEDMONTATION CONTROL ANTI-TRACKING PROL PROCESSED AGGREGATE PROCESSED AGGREGATE HAIA SO SED AGGREGATE	** See Special Provisions ** ** See Special Provisions **
01230-04800VE MITAL EXAM PAIL, Quarting-23.001 /L, UIN C           053003-348EMORE POR UIST CONTINUE, Quarting-23.00 /L, UIN C           053003-348EMORE POR UIST CONTINUE, Quarting-23.00 /L, UIN C           053003-348EMORE POR UIST CONTINUE, QUARTIng-23.00           050030-348EMORE POR UIST CONTINUE, AUX DESCRIPT, AUX DES	Cont SL 6813b; Tori nit Cost 533.71905; do sy, U hint Cost 1 et 33.09515; Total 00 sy, U hint Cost 1 Provisions "QLus al Provisions "QL et al Provisions "Q e Special Provision e Special Provision (U hint Cost S131.2) .00 LS; Unit Cost S entity 900.00 day; a Total 5351.96	0012 0015 0021 0026 0026 0027 0048 0070 0072 0075 0065 0110	0202216 0202217 0205529 0204151 0210621 0211000 0219001 0305000 0406171 0406236	50,000 c.y. 1,000 ext. 150,000 tl. 1,000 ts. 1,0000 ext. 1,0000 ext. 1,0000 cy. 70,000 ton 2,70,000 ton 14,0000 gwl	97.34232 1.000.00000 5.98140 120.000.00000 10.000.00000 27.89940 6.31126 56.75624 66.56674 174.10195 15.57910	4,867.12 1,000.00 887.21 120,000.00 10,000.00 4,742.90 6,879.27 24,405.18 4,659.67 47,007.50 2,181.07		DISANATION AND REUSE OF DISTING CHANNEL BOT SUMPLENTIAL STREAMED CHANNEL MATERIAL CUT BITUMIOUS CONCRETE RIVENENT HANDLING VATER MUCHISUNG HAN SECIMANTATION CONTROL SECIMANTATION CONTROL SYSTEM FMICESSED ADDREAME BASE PROCESSED ADDREAME BASE PROCESSED ADDREAME BASE MAIEBRALFOR TAX COAT	** See Special Provisions ** ** See Special Provisions **
01320-REMOVE MITAL EBM AIAL, Quarting-J.S.D.M. (Jun C. 2005)           093001-SHEENER FOR USE'S CONTROL Quarting-Tub On Ling           098001-SHEENER FOR USE'S CONTROL QUARTINg-Tub On Ling           098001-SHEENER FOR USE'S CONTROL TUB On Ly, UNC C. 200500-TUB ESTATUBINE, MARKAN AND LING           098001-SHEENER FOR ALCONT TOFSCIE, CLARING-TUB ON LY, UNC C. 200500-TUB ESTATUBINE, MARKAN AND LING           098000-CONTRATIC FOR TON THE OFFICE AND LING           098000-TUBATIC FOR TON AND LING CONTE AND LING CONTE TON LING           098000-TUBATIC FOR TON LING           098000-TUBATIC FOR TON LING           098000-TUBATIC FOR TON LING CONTE LING CONTE LING L	Cont S2, 603 13; Forei Int Cont S33, 71905; OD s_yc Uhni Cont 1 et S3, 20515; Total ob s_yc Uhni Cont Provisions "Cua al Provisions "Cua al Provisions" (Cu al Provisions (Cu cy Unit Cont S313, C OD LS2, Unit Cont S313, C DU LS2, Cont Cont S314, C DU LS2, C DU LS	0012 0015 0024 0026 0027 0048 0077 0048 0070 0070 0075 0075 0075 0075 0075 007	0202216 0202217 0202529 0204151 0210821 0211000 0219001 0304002 0305000 0406171 0406226 0405001	50.000 c.p. 1.000 est. 150.000 it. 1.000 est. 1.70.000 est. 1.70.000 est. 4.70.000 it. 4.70.000 it. 2.70.000 it. 1.40.000 est. 2.20.000 est.	97.34232 1.000.00000 5.99140 120.000.00000 27.89340 6.31126 56.75524 66.56674 174.10185 16.57510 10.00165	4,867.12 1,000,00 897.21 120,000,00 4,742.90 6,873.27 24,405.10 4,659.67 47,007.50 2,101,07 24,735.78		DCXANTEN AND REUSE OF DOTTING CHANNEL BOTT SUPPLICHTAL TREAMED CHANNED MATERIAL CUT BITUMOUS CONCRETE PROVEMENT HANDLING VANDER WATER POLLITICE CONTROL ANTI-TRAZING FOR DA SEGMENTATION CONTROL SYSTEM PROCESSED AGGREGATE PROCESSED AGGREGATE HINAS 05 MATERIAL FOR TACK CDAT	See Special Provisions ** See Special Provisions ** See Special Provisions **
01230-048MOVE MITAL ELEMA PALL, Cuanting-3.50 MI, Line C.           093803-348EMOVE PROTUST CONTROL Cuantify-300 De LINE           093804-2018EMOVE CONTROL CUANTIFIC TO VER DE LINE           093804-2018EMOVE CONTROL CUANTIFIC TO VER DE LINE           093804-2018EMOVE CONSTRUCTION FRED CONTROL CUANTIFICATION DE RECONTROL CUANTIFICATION CONTROL CUANTIFICATION CONTROL CUANTIFICATION CONTROL CUANTIFICATION CONTROL CUANTIFICATION CONTROL CUANTIFICATION CONTROL CUANTIFICATION AND PRODECT CONSTRUCTURATION CONTROL CUANTIFICATION AND PRODECT CUANTIFICATION AND PRODECT CUANTIFICATION AND PRODECT CUANTIFICATION CONTROL CUANTIFICATION AND PRODECT CUANTIFICATION CONTROL CUANTIFICATION CONTROL CUANTIFICATION AND PRODECT CUANTIFICATION CONTROL CUANTIFICATION CONT	Cont SL 6813b; Tori htt Cost 533.71905; ob say: Uhit Cost 1 et \$3.09515; Total Ob say: Uhit Cost Provisions "Cuan al Provisions "Cuan al Provisions "Cuan e Special Provision (uhit Cost \$13.12, Ob 15; Uhit Cost \$13.12, Ob 15; Uhit Cost \$13.12, Ob 15; Uhit Cost \$13.12, Ob 15; Uhit Cost \$13.12, Ob 15; Total \$551.96 (b) Total \$55.14 (c) Uhit Cost \$5.57.16 (c) Uhit Cost \$5.57	0012 0015 0021 0026 0026 0027 0048 0070 0072 0075 0065 0110	0202216 0202217 0205529 0204151 0210621 0211000 0219001 0305000 0406171 0406236	50,000 c.y. 1,000 ext. 150,000 U. 1,000 U. 1,000 ext. 1,0000 ext. 1,0000 c.y. 70,000 c.y. 2,0000 ten 14,0000 g.w.	97.34232 1.000.00000 5.98140 120.000.00000 10.000.00000 27.89940 6.31126 56.75624 66.56674 174.10195 15.57910	4,867.12 1,000.00 887.21 120,000.00 10,000.00 4,742.90 6,879.27 24,405.18 4,659.67 47,007.50 2,181.07		DISANATION AND REUSE OF DISTING CHANNEL BOT SUMPLENTIAL STREAMED CHANNEL MATERIAL CUT BITUMIOUS CONCRETE RIVENENT HANDLING VATER MUCHISUNG HAN SECIMANTATION CONTROL SECIMANTATION CONTROL SYSTEM FMICESSED ADDREAME BASE PROCESSED ADDREAME BASE PROCESSED ADDREAME BASE MAIEBRALFOR TAX COAT	** See Special Provisions ** ** See Special Provisions **
01320-9880/02 MITAL ELBAN MALL, Quarting-25.300 /L, Uinit C.           093001-39888/02 PG DUIST CONTROL Quarting-71.000 /L, Uinit C.           094001-39888/02 QUARTING PG DUIST CONTROL QUARTINg-71.000 /L, UINIT C.           094001-39888/02 QUARTING PG DUIST CONTROL QUARTINg-71.000 /L, UINIT CONTROL QUARTING PG DUIST CONTROL PG DUIST CONTROL QUARTING PG DUIST CONTROL QUARTING PG DUIST CONTROL PG DUIST CONTROL QUARTING PG DUIST CONTROL PG DUIST CONTROL QUARTING PG DUIST CONTROL PG D	Con \$2,6613; Toti this Con \$33,700 00 sy: Unit Cost 1 of \$3,09513; Total 00 sy: Unit Cost 1 Provisions "Qua al Provisions "Qua al Provisions "Qua al Provisions "Qua 5 special Provisions" () Unit Cost \$313,2 0,155,Unit Cost \$3 antity-900,00 day; a) Total \$3551,36 b; Total \$802,81 c; Unit Cost \$55,36 b; Total \$802,81 c; Unit Cost \$55,36 c; Total \$802,81 c; Total \$8	0012 0015 0024 0026 0027 0048 0077 0048 0070 0070 0075 0075 0075 0075 0075 007	0202216 0202217 0202529 0204151 0210821 0211000 0219001 0304002 0305000 0406171 0406226 0405001	50.000 c.p. 1.000 est. 150.000 l.f. 1.000 est. 1.70.000 est. 1.70.000 est. 4.70.000 lon 2.70.000 lon 1.40.000 est. 2.20.000 s.p.	97.34232 1.000.00000 5.99140 120.000.00000 27.89340 6.31126 56.75524 66.56674 174.10185 16.57510 10.00165	4,867.12 1,000,00 897.21 120,000,00 4,742.90 6,873.27 24,405.10 4,659.67 47,007.50 2,101,07 24,735.78		DCXANTEN AND REUSE OF DOTTING CHANNEL BOTT SUPPLICHTAL TREAMED CHANNED MATERIAL CUT BITUMOUS CONCRETE PROVEMENT HANDLING VANDER WATER POLLITICE CONTROL ANTI-TRAZING FOR DA SEGMENTATION CONTROL SYSTEM PROCESSED AGGREGATE PROCESSED AGGREGATE HINAS 05 MATERIAL FOR TACK CDAT	See Special Provisions ** See Special Provisions ** See Special Provisions **
01230-04800VE MITAL ELEMA PALL, Cuanting-J.S.D.M. (Junc 109800) - SHEPING POR ULLY CONTRACT PORT OF CO	Cont S2.64138; Tote in Cont S32.7503 00 sy: Unit Cost 3 st 3309315 Total St 3309315 Total St 3309315 Total St 3309315 Total Provisions "Cu I all Provisions "Cu I all Provisions "Cu I all Provisions "Cu I chart Cost S3132 Cost S31316 St Total S353.16 St Total S3	0012 0015 0024 0026 0027 0048 0077 0048 0077 0075 0075 0075 0095 0110 0112 0115	0202216 0202217 0204259 0204151 0210621 0210621 021000 0219001 0305000 0466171 0466236 0465001 0703006	50.00         cp           10.00         ett           150.00         tt           1000         tt           1000         tt           1000         st           110000         st           110000         st           110000         st           110000         st           120000         tt           270000         tm           140000         st           980000         cp	97.34232 1.000.00000 5.98140 120.000.00000 12.0300.00000 27.88940 6.31126 56.79524 66.55674 174.10185 15.57910 10.80165 123.00000	4,867,12 1,000,00 897,21 120,000,00 4,742,90 6,873,27 24,405,18 4,659,67 47,007,50 2,181,07 24,755,78 122,880,00		DISANATION AND REUSE OF DISTING CHANNEL GUT SUMPLENENTAL STREAMED CHANNEL MATERIAL CUT BITUMOUS CONCRETE PRAVMENT HANDUNG VARIES WATER POLLUTION CONTROL ANTI-TRACING PAGE SECONDATION CONTROL SYSTEM PROCESSED ADDREAME BASE PROCESSED ADDREAME BASE PROCESSED ADDREAME BASE PROCESSED ADDREAME BASE PROCESSED ADDREAME TO MATERIAL/OR TAX/COAT FIRM MILLING OF BITUMMOUS CONCRETE (BIN TO 4m) HEAVY RIPRAP	" See Special Provisions " " "See Special Provisions " " "See Special Provisions " " " See Special Provisions "
01320-04800/E         WTAIL BEAM RAIL, Quarting-23.001 /L, Uin C           038000-3488880-050 UIST CONTROL Quarting-7.000 /L         Quarting-7.000 /L           038000-3488880-050 UIST CONTROL QUARTINg-7.000         Quarting-7.000 /L           038000-3488880-0500 /L         QUARTING-7.000 /L         QUARTING-7.000 /L           038000-348880-0500 /L         QUARTING-7.000 /L         QUARTING-7.000 /L         QUARTING-7.000 /L           038000-348880-0500 /L         CONTROL ANATTING TVYE QL QUARTING-7.000 /L	Cont 52,64138; Tota in Cont 532,75742 00 syr, Unik Cost 1 53,09515; Total 00 syr, Unik Cost 1 90 syr, Unik Cost 1 90 syr, Unik Cost 1 90 syr, Unik Cost 1 90 syr, Unik Cost 1 91 syr, Unik Cost 1 91 syr, Unik Cost 1 91 syr, Unik Cost 1 92 stati 4 93 Total 4 93 Total 4 93 Total 4 93 Total 4 93 Total 4 90 syr, Unik Cost 555.6 90	0012 0015 0024 0024 0026 0027 004 0070 0072 0075 0075 0085 0110 0115 0115 0127	0202216 0202217 0200227 0204151 0216621 0216621 021600 0216001 03040002 03040002 03040002 03040002 03040002 0466171 0466236 0465001 0470006 0700014	50.000 c.p 1.000 est 150.000 l.t 1.000 est 1.000 est 1.900.000 l.t 4.0000 c.p 70.000 ton 2.70.000 ton 140.000 gal 2.200.000 s.p 8.0000 c.p	97.34232 1.000.0000 5.39140 120.000.0000 27.89340 6.3128 56.79524 56.59574 174.10185 15.57310 10.00165 128.00000 125.89000	4,867,12 1,000,00 897,21 120,000,00 4,742,90 6,879,27 24,405,18 4,659,67 47,007,50 2,181,07 24,755,78 122,880,00 30,213,60		DCXANTEN AND REUSE OF DOTTING CHANNEL BOTT SUPPLICHTAL TREAMED CHANNED MATERIAL LOUF attunous Concerter Proveent HANDLING VALUER WATER POLLITICS CONTROL ANTI-TRAZING FOR DA SEGMENTATION CONTROL SYSTEM PROCESSED AGGREGATE PROCESSED AGGREGATE HIAS 305 MATERIAL FOR TACK CDAT TARK MILLING FOR TUMORUS CONCIENCE (bin TO 4e) HEAVY RIPAP	" See Special Provisions " " " See Special Provisions "
091230-REMOVE METAL EXAM FAIL: Quantify.25 001 /L, UIN C           092005-SHEEMS FOR UIST CONTROL Quantify.200 De LIN           098005-SHEEMS FOR UIST CONTROL QUANTIFY.200 PL           098005-THE STELENSHET; Quantify.200 PL           098005-THE STELENSHET; QUANTIFY.1000 PL           098005-THE STELENSHET; QUANTIFY.1000 PL           098005-THE STELENSHET; QUANTIFY.1000 PL           098005-THE STELENSHET; QUANTIFY.1000 PL           098006-THE STELENSHET; QUANTIFY.1000 PL           098006-CONSTRUCTION EXED FOR ODSCESS.           098006-THE STELENSHET, QUANTIFY.1000 PL           098006-CONSTRUCTION EXED FOR ODSCESS.           098006-THE STELENSHON (INFORMATION EXED FOR ODSCESS.           098006-CONSTRUCTION EXED FOR ODSCESS.           098006-CONSTRUCTION OF THERMS.           098006-CONSTRUCTION EXED FOR ODSCESS.	Cont 32.681% Toru to Cont 32.681% Toru to Cont 32.780% B 13.081% Toru B 13.081% Toru B 13.081% Toru B 13.081% Toru B 14.081% B 14.081% B 14.081% B 14.081% B 14.081% B 14.081% B 14.081% B 14.081% B 14.081% B 14.081% B 14.081% B 14.081%	0012 0015 0021 0024 0026 0027 0048 0077 0048 0077 0075 0005 0110 0112 0115 0112 0115 0127 0140	0202216 0202217 0202253 0204151 0211000 0219001 0219001 0219001 029000 0406171 040602 040600 040602 040600 040602 040600 040600 0700008	9000 cp 1000 est 1000 est 1000 ti 1000 est 1000 est 1000 est 40000 cp 70000 est 220000 est 220000 est 220000 cp 70000 est 220000 est 22000 est 220000 est 20000 est 2000	97.34232 1.000.00000 5.98140 120.000.00000 27.98940 6.31126 66.59574 174.10185 15.57310 10.80165 128.00000 125.98000 372.20516	4,867,12 1,000,00 897,21 120,000,00 4,742,30 6,879,27 24,405,18 4,659,67 47,7007,50 2,181,07 24,735,78 122,820,00 26,054,36		DISANATION AND REUSE OF DISTING CHANNEL BOT SUPPORTATION TERMENDE CHANNEL MATERIAL CUIT BITUMIOUS CONCRETE RIVEMENT HINDLING VIST REMEMBER VIST REPORTATION CONTROL ANTI-TINCINIG RUG SEGMENTATION CONTROL SYSTEM PROCESSED ADDREGATE RANGE SED ADDREG	" See Special Provisions " "
01320-01400/014         Initial Bank Mala, Caustring, 2020 UL, Unit C           038000-35400140 FOR ULST CONTROL Country, 700 Do Lung         Initial Country, 700 Do Lung,	Cont 32.681%; For the Cont 332.780% On 3y; Unit Cont 3 at 50.981%; For 4 at 50.981%; For 4 at 50.981%; For 4 at 80.981%;	0012 0015 0021 0024 0026 0027 0049 0070 0072 0075 0075 0075 0075 0075 0075	0202216 0202217 0200529 0201529 0216521 021600 0219001 0219001 0219001 0219001 0219001 0219001 0219001 0219001 020014 020006 0210014 0270000 02750009	90000 c-p 1000 etc 1000 ti 1000 ti 1000 ts 1000 ts 1000 ts 1000 ts 1000 ts 1000 ts 1000 ts 20000 ts 20000 ts 20000 ts 20000 ts 20000 cp 20000 cs 20000 ts 20000 ts 2000	97.34232 1.000.0000 5.98140 120.000.00000 10.000.00000 27.98940 6.31126 56.79524 66.55674 115.57910 10.02165 128.00000 372.20516 28.61781 35.00000	4,867,12 1,000,00 10,000,00 10,000,00 4,742,90 6,879,27 24,405,18 4,659,67 47,007,50 2,161,07 24,735,78 12,2860,00 20,213,60 25,054,38 65,745,39 17,160,00		DISANATION AND REUSE OF DISTING COMMINE DOT SUPPORTAIN LA TREAMED DAVING MATERIAL CUI BITUMOUS CONCRETE PRAVEMENT HINDUNG VISIT REGARDED ONNON ANTITINGUNG DONORDL ANTITINGUNG DONORDL SEGMENTATION CONTROL SEGMENTATION CONTROL SEGMENTATION CONTROL PROCESSED ADDREATE INMA 83 MATERIAL OR TACK COAT FIRM MILLING OF BITUMINOUS CONCRETE (BIN TO 4m) HEAVY RIPRA ROUNDED RIPRAP ROUNDED RIPRAP ROUNDED RIPRAP ROUNDED RIPRAP ROUNDED RIPRAP ROUNDED RIPRAP ROUNDED RIPRAP	" See Special Provisions " " " See Special Provisions "
01320-REMOVE MITAL EBM AIAL, Quarting-23.001 /L, UIIN C.           093001-SHEENER FOR UIST CONTROL Quarting-12.00 /L, UIIN C.           094001-SHEENER FOR UIST CONTROL QUARTINg-10.00 /L, UIIN C.           094001-SHEENER FOR UIST CONTROL QUARTINg-10.00 /L, UIIN C.           094001-SHEENER FOR QUARTING CONTROL (L, QUARTINg-10.00 /L, UIIN C.           095001-SHEENER FOR QUARTING CONTROL (L, QUARTING-10.00 /L, UIIN C.           095001-CONTROL FOR CONTROL (L, QUARTING-10.00 /L, UIIN C.           095001-CONTROL FOR DEL OFFICA           09501-CONTROL FOR DEL OFF	Cont 32.64112; Tore, the Cont 332.7190; 00 xy: Unit Cont 3 11.66133; Tore) 01 xy: Unit Cont 1 14.700; 16.100;	0012 0015 0021 0024 0026 0027 0048 0072 0070 0070 0075 0075 0085 0110 0112 0115 0127 0140 0142 0145 0155	0202216 0202217 0202559 0201151 021900 021900 021900 021900 029000 0400171 0440226 0400171 0440226 040001 0710006 0775000 0755010	9000 cp 1000 est 1000 est 1000 l. 1000 est 1000 est 10000 est 1000 es	97,34232 1,000,0000 5,93140 12,000,00000 10,000,00000 27,93940 6,37135 65,59574 66,595740 10,80765 15,57310 10,80765 128,00000 125,29516 28,61781 35,00000 4,45437	4,867,12 1,000,00 987,21 120,000,00 4,742,90 6,879,27 24,405,18 4,659,57 47,007,50 2,1161,07 24,755,78 122,880,00 30,213,60 25,054,36 45,745,99 17,150,00 1,336,49		DCLANTON AND REUSE OF DISTING CHANNEL BOT SUPPLICHTAL TREAMED CHANNED MATERIAL LUT BTUHNOUS CONCRETE PROVEMENT HANDLING VALUER WATER POLLITICS CONTROL ANTI-TRAZING FAD SEGMENTATION CONTROL SYSTEM PROCESSED AGREGATE PROCESSED AGREGATE PROCESSED PROCESSED AGREGATE PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROC	" See Special Provisions " "
01320-04800VE MITAL EXAM PALL, Quarting 2.5300 / 12, Unit C           053003-34887045 PGT USIS CONTROL Quarting 7.100 PL           054003-34887045 PGT USIS CONTROL QUARTING TO DE VISIO           054003-0487045 PGT USIS CONTROL QUARTING TO DE VISIO           054003-0487045 PGT USIS CONTROL QUARTING TO PGT PGT QUARTING TO PGT PGT QUARTING TO PGT	Cont 32.011%; Tore, or to Cont 32.01%; Tore, or tore, or tor tore, or tore,	0012 0015 0021 0024 0024 0027 0040 0007 00070 00070 00070 00070 00070 00075 0110 0115 0115	0202216 0280217 0205529 0201151 021621 021621 021600 0216001 0385000 0486171 0466226 04680171 0466226 0468001 0700006 0700006 0700004 0700004 0700004 0750009 0750014	9000 cp 1000 et 1000 et 1000 ti 1000 et 1000 et 1000 et 40000 cp 20000 ep 20000 cp 20000 cp 20000 cp 20000 cp 20000 cp 20000 cp 20000 ep 20000 cp 20000 ep 20000 ep 200	9 7 34222 1,000,00000 5 39140 10,000,00000 27,83940 6,31126 66,79524 66,59574 66,59574 164,59574 165,79504 165	4,867,12 1,000,00 10,000,00 4,742,90 6,879,37 24,405,18 4,859,67 47,007,50 2,161,07 24,725,79 122,880,00 30,213,60 25,054,35 47,759 17,180,00 1,336,49 3,0,49,94		DCXANTEN AND REUSE OF DISTING CHANNEL BOT SUPPLIENTIA STREAMED CHANNEL MATERIAL LUT BTUMIOUS CONCRET PRIVEMENT HANDLING VAN TER WAITE PROLIDING CONTROL ANTI-TRAZING FOR DISTING SEDMARTATION CONTROL ANTI-TRAZING PROCESSID ADDREANTE PROCESSID ADDREANTE MAS 88 MAS 88 MAS 80 MAS	" See Special Provisions " "
01320-REMOVE MITAL EBM AIAL, Quarting-23.001 /L, UIIN C.           093001-SHEENER FOR UIST CONTING, Cuarting-21.000 /L, UIIN C.           094001-SHEENER FOR UIST CONTING, Cuarting-21.000 /L, UIIN C.           094001-SHEENER FOR UIST CONTING, Cuarting-21.000 /L, UIIN C.           094001-SHEENER SHEELEMENT, CUART, UIIN CONTING, CUARTING, AND C.           095001-STUER STELEMENT, CUART, UIIN CONTING, CUARTING, AND CONTING, CUARTING, AND CONTING, CUARTING, AND CONTING, CUARTING, CUAR	Cont 32.0113; Trail to Cont 32.0113; Trail to Cont 32.0133; Trail 10.012, Traile 10.012, Tr	0012 0015 0015 0021 0024 0024 0027 0024 0027 0048 0070 0075 0085 0075 0085 0075 0085 0112 0112 0112 0115 0127 0140 0155 0127 0140 0155 0127 0140 0155 0120 0175 0140 0155 0120 0175 0140 0155 0175 017	0202216 0202217 0202529 0204151 0210821 0210821 0211000 0210001 0360000 0468236 046836 0468236 046836 046836 0468236 046836 04690000000000000000000000000000000000	9000 sp 1000 est 1000 est 1000 il 1000 est 1000 est 1000 est 1000 est 1000 est 1000 est 1000 est 1000 est 1000 est 1000 sp 1000 sp 10000 sp 1000 sp	97,34222 1,000,0000 5,98140 120,000,00000 10,000,00000 27,89840 6,597824 66,59824 66,59824 66,59824 1747,10185 15,57810 10,0001 15,57810 10,0001 12,20056 2,8,67781 35,00000 4,45437 2,20056 4,324000	4,867,12 1,000,00 10,000,00 4,742,90 6,879,27 24,405,18 4,593,67 2,108,07 50,755 2,108,07 30,213,80 25,054,36 45,745,99 17,109,00 1,336,43 3,049,34 22,349,60		DCLANTON AND REUSE OF DISTING COMMEL BOT SUPPLICHTAL TREAMED CONVENCION UNIT TRUNOUS CONCRETE PROVEMENT HANDLING VIETR VIETRE PROLLITICS CONTROL ANTI-TRACING RAD SEGMENTATION CONTROL ON SYSTEM PROCESSED AGREGATE PROCESSED AGREGATE PROCESSED PROCESSED AGREGATE PROCESSED PROCESSED	" See Special Provisions " "
01320.948MOVE MITTAL ELBAN MALL, Quarting-23.001 /L, Uin C.           033001-SHEEMAN FOR ULST CONTINUE Quarting-23.00 /L, Uin C.           038001-SHEEMAN FOR ULST CONTINUE Quarting-23.00 /L, Uin C.           038001-SHEEMAN FOR ULST CONTINUE QUARTING-2000 /L, UIN C.           038001-SHEEMAN CLARK TO STORE, CLARK STORE, CLARK STORE, CLARK STORE, CLARK STORE, CLARK STORE, CLARK STORE, S	Cont 32.0411% Trans. Cont 32.0411% Trans. Cont 53.21700% Cont 54.21700% Cont 54.21700% Cont 54.21700% Co	0012 0015 0015 0021 0026 0026 0027 0027 0027 0027 0075 0072 0075 0072 0075 0075	0202216 0280217 02805259 02818151 0218021 0218021 0218001 0286000 04860771 0486000 0486070 0486000 0486000 0486000 0486000 0700014 0700014 0756010 0755010 0755010	9000 cp 1000 et 1000 et 1000 ti 1000 et 1000 et 10000 et 1000 et 10	9 7 3422 1,000,00000 5 59140 10,000,00000 27,89340 6,3126 55,79524 10,65554 10,80005 12,80000 372,20516 28,61791 2,8056 4,45437 2,8056 4,324000 6,57512	4 88772 1.00000 89721 12.00000 4.74230 2.840519 4.85957 47.00750 2.18107 2.47573 122.88000 1.028100 1.02843 4.87559 17.18000 1.32843 3.04934 2.34980 1.446.75		DCXANTEN AND REUSE OF DISTING CHANNEL BOT SUPPLICHTAL STREAMED CHANNEL MATERIAL LUT BTUMOUS CONCRET PROVEMENT HANDLING WATER WATER POLLITION CONTROL ANTI-TRAZING FOR AD SEGMENTATION CONTROL ANTI-TRAZING FOR AD MATERIAL, GOT JACK COAT PROCESSED ADGREGATE MAS 83 MATERIAL, GOT JACK COAT PROCESSED ADGREGATE MAS 84 MATERIAL, GOT JACK COAT PROCESSED ADGREGATE DISTORED BITISME DISTORED BITISME DISTORE	" See Special Provisions " "
01320-01400/01         01320-01400/01         01420-01400/01         01400-01400/01           093000-394200-01400-01400-01400-01400-01400-01400-01400-01400-01400-01400-01400-01400-0140000-0140000-014000-014000-014000-014000-014000-014000-014000-014	Cont 32.0413; Tore, to Cont 32.0413; Tore, to Cont 32.0420; Tore, Standbarr, Cont 4 Standbarr, Cont 4 S	0012 0015 0021 0024 0024 0027 0040 0027 0040 0070 0070	0202216 0202217 0202529 0204181 0210821 0210821 021000 021000 0365000 0466236 0466236 0466236 0466236 0466236 0466236 0466236 0466236 046600 0750000 0750000 075000 07500000000	9000 sp 1000 es 1000 es 1000 il 1000 es 1000 es 1000 es 1000 es 1000 es 1000 es 1000 es 1000 es 22000 es 2000 es 2000 es 1000 es 10000 es 1000 es 1	9 7 3422 1,000,0000 5,98146 120,000,0000 6,39146 10,000,0000 2,7,89340 6,57824 17,410185 15,57310 10,00165 128,00000 128,00000 128,00000 128,00000 128,00000 128,00000 128,00000 128,0000 128,0000 128,00000 128,00000 128,00000 128,0000	4 987 12 1,000,00 897 21 120,000,00 472,99 6597 32 24,405 18 4,55557 24,405 18 4,55567 24,405 18 4,55567 24,405 18 4,205 95 2,180,07 2,2180		DCLANTON AND REUSE OF DISTING COMMEL BOT SUPPLICHTAL TREAMED CONVENCION UNIT TRUNOUS CONCRETE PROVEMENT HANDLING VIET ROWERS WATER POLLITION CONTROL ANTI-TRACING PAD SEGMENTATION CONTROL SYSTEM PROCESSED AGREGATE PROCESSED AGREGATE PROCESSED PROCESSED AGREGATE PROCESSED AGREGATE PROCESSED PROCESSED AGREGATE PROCESSED PROCESSED PROCESSED PROCESSED AGREGATE PROCESSED PROCESSED PROCESSED PROCE	" See Special Provisions " "
01320.984MOVE MITAL EBMA MALL, Quarting-25.001 /L, UINC DISSUES-2000-5940000 /L, UINC DISSUES-200000-5940000000000000000000000000000000	Cont 32.011%; Tore, to Cont 32.01%; Tore, to Cont 32.01%; Tore, St. 2003; Tore, St. 2003; Tore, St. 2003; Tore, St. 2003; Tore, St. 2004; Tore, St. 2004; Tore, Cont 2004; Tore, St. 2004; Tor	0012 0015 0015 0021 0024 0026 0027 0027 0027 0027 0075 0075 0070 0075 0070 0075 0075	0202216 0202217 020559 0204191 0216621 021600 0219901 025900 025900 025900 0466236 0466236 0466236 0466236 0466236 046600 0750014 075000 0750014 062210.019 075014 062210.019 075014 062210.019 075014 062210.019 075014 062210.019 075014 075000 075000 075010 07500000000	9000 5-9 1000 etc 1000 e	974022 10000000 538160 170000000 779980 63156 659784 1744006 659594 1744006 1057954 1744006 1059594 1744006 1059594 17450000 17220516 263571 223555 233555 233555 233555 273772 273772	4 867.12 1,000.00 897.21 100.000.00 4/242.93 6/87.92 2/84.05.19 4/559.57 4/509.59 2/80.05 5/87.82 2/80.05 5/87.82 3/24.75 7/50.00 1.36.48 3/04.94 3/04.94 1.36.46 1.36.46 1.		DCXANTON AND REUSE OF DISTING CHANNEL BOT SUPPLICIENTAL STREAMED CHANNEL MATERIAL CUT BITUMOUS CONCRET PROVEMENT HANDLING VAN TER WAITE PROLIDING CONTROL ANTI-TRAZING FOR DIS SEGMENTATION CONTROL SYSTEM PROCESSED AGREGATE PROCESSED AGREGATE PROCESSED PROCESSED AGREGATE PROCESSED PROCESSED AGREGATE PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED PROCESSED	" See Special Provisions " "
097002-8480:CADE VARNING LIGHTS - High INTERSIT; Op 0977001-TMR/EC COHE, QuantityJA00 as; Unit Cost 322,9855           0978002-TMR/EC DRUM, QuantityJA00 as; Unit Cost 327,8955           0978002-TMR/EC DRUM, QuantityJA00 as; Unit Cost 374,805           0978002-CONSTRUCTION BARRISCH PFEI II], QuantityJA00 as; Unit Cost 374,805           0981004-2TMRFEC COHE, QuantityJA00 as; Unit Cost 3544           111303-TMR/DRAWY DETICION DRIFTCH ON (STE NO. 1); * see Special 111303-TMR/DRAWY UDITECTION (STE NO. 1); * see Special	Cont 32.011%; Tore, tot cot 333.1700, 00 sy, Unit Cot 33. 15.001%; Total Cot 31. 15.001%; Total Cot 31. 16.001%; Total Status 30. 16.11%; Total Status 30. 16.11%; Total Status 30. 16.11%; Total Status 30. 17.11%; Total Status 30.	0012 0015 0021 0024 0024 0027 0040 0027 0040 0070 0070	0202216 0202217 0202529 0204181 0210821 0210821 021000 021000 0365000 0466236 0466236 0466236 0466236 0466236 0466236 0466236 0466236 046600 0750000 0750000 075000 07500000000	9000 sp 1000 es 1000 es 1000 il 1000 es 1000 es 1000 es 1000 es 1000 es 1000 es 1000 es 1000 es 22000 es 2000 es 2000 es 1000 es 10000 es 1000 es 1	9 7 3422 1,000,0000 5,98146 120,000,0000 6,39146 10,000,0000 2,7,89340 6,57824 17,410185 15,57310 10,00165 128,00000 128,00000 128,00000 128,00000 128,00000 128,00000 128,00000 128,0000 128,0000 128,00000 128,00000 128,00000 128,0000	4 987 12 1,000,00 897 21 120,000,00 472,99 6597 32 24,405 18 4,55557 24,405 18 4,55567 24,405 18 4,55567 24,405 18 4,205 95 2,180,07 2,2180		DCLANTON AND REUSE OF DISTING COMMEL BOT SUPPLICHTAL TREAMED CONVENCION UNIT TRUNOUS CONCRETE PROVEMENT HANDLING VIET ROWERS WATER POLLITION CONTROL ANTI-TRACING PAD SEGMENTATION CONTROL SYSTEM PROCESSED AGREGATE PROCESSED AGREGATE PROCESSED PROCESSED AGREGATE PROCESSED AGREGATE PROCESSED PROCESSED AGREGATE PROCESSED PROCESSED PROCESSED PROCESSED AGREGATE PROCESSED PROCESSED PROCESSED PROCE	" See Special Provisions " "

### 13. Select "Export Estimate File"

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10 0171-0473_Proposal Estimate_2022-04-07 (1) Exit	untit ; Un sit C	Unit Cost \$43.24 Pag ity:220.00 Lf.; Unit nit Cost \$27.7971; Cost \$1,379.36471	Line #	0107090	3.000 (	0a.	938.73445	2,816.20	Alt Code	CTDOT BOUNDARY MARKER - (SURVEY MONUMENT)	Supplemental Desc
10 0171-0473_Proposal Estimate_2022-04-07 (1) Exit 0912499-REMOVE CABLE GUIDE RAIL: Quantit	intit Un it C ity:191.00 Lf; Unit C	Unit Cost \$43.24 Pag ity:220.00 Lf; Unit nit Cost \$27.7971: Cost \$1,379.36471 Cost \$5.91851; Tot	Line # 0010 0011	0107090 0201001	3.000 ( 1.000 L	ea. LS	938.73445 43,080.00000	2.816.20 43,080.00	Alt Code	CTDOT BOUNDARY MARKER - (SURVEY MONUMENT) CLEARING AND GRUBBING	
10 0171-0473_Proposal Estimate_2022-04-07 (1) Exit 0912499-REMOVE CABLE GUIDE RAIL: Quantit 0912503-REMOVE METAL BEAM RAIL: Quantit	intit Un it C ity:191.00 Lf.; Unit C ity:25.00 Lf.; Unit Co	Unit Cost \$43,24 Pag ty-220.00 Lf.; Unit nit Cost \$27,7971; Cost \$1,379,36471 Cost \$5,91851; Tot ost \$2,68138; Tot;	Line # 0010 0011 0012	0107090 0201001 0202000	3.000 ( 1.000 L 4,470.000 (	0.0 LS 0.9.	938.73445 43,090.00000 21.60981	2.816.20 43,080.00 96,595.85	Alt Code	CTDOT BOUNDARY MARKER - (SURVEY MONUMENT) CLEARING AND GRUBBING EARTH EXCAVATION	** See Special Provisions **
10 0171-0473_Proposal Estimate_2022-04-07 (1) Exit 09122499-REMOVE CABLE GUIDE RAIL: Quantit 0912503-REMOVE METAL BEAM RAIL: Quantit 0 091001-SWEEPING FOR DUST CONTROL; Qu	ty: 191.00 Lf.; Unit Co ity: 191.00 Lf.; Unit Co ity: 25.00 Lf.; Unit Co aantity: 70.00 hr; Unit	Unit Cost \$43.24 ty-220.00 Lf.; Unit int Cost \$27.7971; Cost \$1,379.36471 Cost \$2,68138; Tot ost \$2,68138; Tot it Cost \$33.71905;	Line # 0010 0011 0012 0015	0107090 0201001 0202000 0202216	3.000 ( 1.000 L 4,470.000 ( 50.000 (	00 LS 0.y. 0.y.	938,73445 43,080,00000 21,60981 97,34232	2,916,20 43,080,00 96,595,85 4,867,12	Alt Code	CTDOT BOUNDARY MARKER - (SURVEY MONUMENT) CLEARING AND GRUBBING EARTH EXCAVATION EXCAVATION AND REUSE OF EXISTING CHANNEL BOTT	See Special Provisions **
10 0171-0473_Proposal Estimate_2022-04-07 (1) Exit 0912499-REMOVE CABLE GUIDE RAIL: Quantit 0912503-REMOVE METAL BEAM RAIL: Quantit 0939001-SWEEPING FOR DUST CONTROL: Qu 0 094000-FURNISHING AND PLACING TOPSOL	ty:191.00 Lf; Unit C ity:25.00 Lf; Unit C antity:70.00 hr; Unit L; Quantity:1,960.00	Unit Cost \$43.24 Peg tty:220.00 L4; Unit init Cost \$27.7971; Cost \$1,379.36471 Cost \$5.91851; Tot ist Cost \$53.91851; Tot ist Cost \$3.317905; 00 say; Unit Cost \$	Line #           0010           0011           0012           0015           0021	0107090 0201001 0202000 0202216 0202217	3.000 ( 1.000 ( 4,470,000 ( 50,000 ( 1.000 (	0. LS 0. y. 0. y. est.	93873445 43,080.00000 21.60981 97.34232 1,000.00000	2,816.20 43,080.00 96,595.85 4,867.12 1,000.00	Alt Code	CTOOT BOUNDARY MARKER -(SURVEY MONUMENT) CLEARING AND GRUBBING EARTH EXCAVATION EXCAVATION AND REUSE OF EVISTING CHANNEL BOTT SUPPLEMENTAL STREAMBED CHANNEL MATERIAL	** See Special Provisions **
10 0171-0473_Proposal Estimate_2022-04-07 (1) Exit = 1 0912499-REMOVE CABLE GUIDE RAIL; Quantit = 1 091249-REMOVE CABLE GUIDE RAIL; Quantit = 1 0939001-SWEEPING FOR DUST CONTROL; Que = 1 0944000-FURNISHING AND PLACING TOPSOI = 1 095005-TURE STABLESHMET, Quantity, 10, 10	ty:191.00 Lf; Unit C ity:191.00 Lf; Unit C ity:25.00 Lf; Unit Co aantity:70.00 h; Unit L; Quantity:1,960.00 40.00 s.y; Unit Cost	Unit Cost \$43.24 Unit Cost \$43.24 Unit Cost \$27.7971 Cost \$1,379.36471 Cost \$2,591851; Tot Cost \$2,69180; Tot It Cost \$3.69190; Tot It Cost \$3.79515; Total Os xy; Unit Cost \$	Line # 0010 0011 0012 0015 0021 0024	0107090 0201001 0202000 0202216 0202217 0202529	3.000 ( 1.000 ( 4.470.000 ( 50.000 ( 1.000 ( 150.000 )	oa LS 0.y. 0.y. est. Lf.	93873445 43,080,00000 21,60981 97,34232 1,000,00000 5,98140	2.816.20 43,080.00 96,595.85 4,867.12 1,000.00 897.21	Alt Code	CEDED LIGUNDARY MARKEN - GURVEY MONUMENTI CLEARING AND GRUBBING EARTH DIZUXATION EXCAVATION AND REUSE OF EYSTING CHANNEL BOTT SUPPLEMENTAL STREAMBED CHANNEL MATERIAL CUT BITUMINOUS CONCRETE PAYEMENT	"" See Special Provisions " " See Special Provisions " " See Special Provisions "
10 0171-0473_Proposal Estimate_2022-04-07 (1) Exit 0912499-REMOVE CABLE GUIDE RAIL: Quantit 0912503-REMOVE METAL BEAM RAIL: Quantit 0939001-SWEEPING FOR DUST CONTROL: Qu 0 094000-FURNISHING AND PLACING TOPSOL	intit Un it C ity:191.00 Lf; Unit C ity:25.00 Lf; Unit C uantity:70.00 h; Unit Cost (Quantity:1,960.00 40.00 s;; Unit Cost D; Quantity:2,780.0	Unit Cost \$43.24 ty=220.00 L4; Unit init Cost \$27.971; Cost \$1,379.36471 Cost \$5,91851; Tot ot \$2,64138; Tot, it Cost \$3.371905 00 sy; Unit Cost \$ 4 \$3.09515; Total 00 sy; Unit Cost \$	Line # 0010 0011 0012 0015 0021 0024 0026	0107090 0201001 0202000 0202216 0202217 0202217 0202529 0204151	3.000 ( 1.000 ( 4.470.000 ( 50.000 ( 1.000 ( 150.000 ( 1.000 ( 1.000 (	oa LS 0.9. 0.9. est. LE LS	938,73445 43,080,0000 21,60981 97,34232 1,000,00000 5,98140 120,000,00000	2.816.20 43,080.00 96,595,85 4,867,12 1,000.00 897,21 120,000.00	Alt Code	CTOOL BOUNDARY MARKER - SURVEY MONUMENT CLEARING AND GRUBBING EARTH ECXAVATION EXCAVATION AND REUSE OF EXISTING CHANNEL BOTT SUPPLEMENTAL STREAMED CHANNEL MATERIAL OUT BITUMINOUS CONCRETE PAVEMENT HANDLING WATER	(** See Special Provisions ** (** See Special Provisions ** ** See Special Provisions ** ** See Special Provisions **
10 0171-0472, Proposal Estimate, 2022-04-07 (1) Exit 01713097 REMOVE CABLE GUIDE EARL Claurest 1 09723097 REMOVE METAL BEAM RAIL Claurest 1 098000-SWEEPING FOR DUDX CONTROL, CAU 1 0980005-TURE ESTABLESHMENT, CAUNET, DL 1 0980005-CONSTRUCTION RELIG DUTX 1 0980005-CONSTRUCTION RELIG DUTX 1 0980084-CONSTRUCTION RELIG DUTXC	title transition of the second	Unit Cost \$43.24 Peg thy220.00 L4, Unit in Cost \$27.771 1 Cost \$1,379.36471 Cost \$3,379.36471 Cost \$3,379.36471 Cost \$3,379.36471 it Cost \$3,371905 10 Ly; Unit Cost 1 \$1,309515; Total 00 Ly; Unit Cost Provisions ""Qual Provisions "Qual	Line # C010 0011 0012 0015 0021 0024 0026 0027	0107090 0201001 0202000 0202216 0202217 0202229 0204151 0210821	3000 4 1.000 1 4,470.000 4 50.000 4 1.000 4 150.000 1 1.000 1 1.000 4	ea LS C.y. c.y. est. Lf. LS est.	938,73445 43,080,0000 21,60981 97,34232 1,000,00000 5,98140 120,000,00000 10,000,00000	2.816.20 43.080.00 56.595.85 4.867.12 1.000.00 897.21 120.000.00 10.000.00	Alt Code	CICCUT BOUNDARY MARKET, BURVEY MONUMENTI CLEARING AND GRUEBING EATH E CAVAINATION OF DESTING CHANNEL BOTT DRUANTION AND REUSE OF STING CHANNEL BOTT SUPPLENTIAL STREAMED CHANNEL MATERIAL CUT BITUMINOUS CONCRETE PAVEMENT HANDLING WATER WATER POLUTION CONTROL	"" See Special Provisions " " See Special Provisions " " See Special Provisions "
10 0171-0473, Proposal Estimata, 2022-04-07 (1) Ent 1071299 REMOVE CABLE GUIDE RAIL: Quanta 10712399 REMOVE CABLE GUIDE RAIL: Quanta 10702399 REMOVE AND ALL RAIL MARK 107020-01700-01700-01700-01700-01700-01700-01700-01700-0 107000-01700-01700-01700-01700-01700-01700-0 107000-01700-01700-01700-01700-01700-01700-0 107000-01700-01700-01700-01700-01700-01700-0 107000-01700-01700-01700-0100-01700-01700-0 107000-01700-01700-01700-0100-01700-01700-0 107000-01700-01700-01700-0100-0100-01700-0 107000-01700-01700-01700-0100-0100-0100	thit Unit it C ity:191.00 Lf.; Unit C ity:25.00 Lf.; Unit Co asntity:70.00 h; Unit Casntity:1,960.00 40.00 s.y.; Unit Cost D; Quantity:2,780.0 PES; "See Special P DIUM; "See Special DIUM; "See Special	Unit Cost \$43.24 Peg ty;220.00 Lf; Unit Init Cost \$27.7971. Cost \$37.7973.49471 Cost \$55.7855; Tot ost \$2.68138; Tot ost \$2.68138; Tot t f Cost \$33.71905 O ky; Unit Cost \$ f \$3.08515; Total 00 ky; Unit Cost Provisions "*Qual al Provisions "*Q	Line # 0010 0011 0012 0012 0012 0021 0021 0024 0026 0027 0048	0167050 0201001 0202000 0202216 0202217 0202529 0204151 0210621 0210621 0211000	3000 4 1.000 1 4.470.000 4 50.000 4 150.000 1 1.000 1 1.000 1 1.000 1 1.000 1	ea LS c.y. c.y. est. LS est. s.y.	933,73445 43,080,00000 21,60981 97,34232 1,000,00000 5,98140 120,000,00000 10,000,00000 27,89940	2,916.20 43,080.00 96,595.85 4,867.12 1,000.00 897.21 120,000.00 10,000.00 4,742.90	Alt Code	ETCOT DISORDARY MARKEN GUIVEY MONIMENTI CLEARING AND GUIVERING EARTH DOCUMATION DOCUMATION AND RELISE OF DISTING CHANNEL BOTT SUPPLEMENTAL STREAMBED CHANNEL BOTT SUPPLEMENTAL STREAMBED CHANNEL BOTT HANDLING VALLER HANDLING VALLER WATER POLUTION CONTROL ANTI-TRUCKING PAO	(** See Special Provisions ** (** See Special Provisions ** ** See Special Provisions ** ** See Special Provisions **
10 0171-0473, Preposel Estimate, 2022-04-07 (1) Ext 0173299-REMOVE CABLE GUIDE RAIL: Guardet 1 071209-REMOVE CABLE GUIDE RAIL: Guardet 1 071209-REMOVE AND LAURE TO FOOD 1 058000-NUMERING AND PLAURE TO FOOD 058000-REMOVE CONTROL AND THE TO 0580000-REMOVE CONTROL AND THE TO 0580000-CONSERVATION SEEDING FOO SUD 0580000-CONSERVATION SEEDING FOO SUD 0590000-CONSERVATION SEEDING FOO SUD 059000-CONSERVATION SEEDING FOO SUD 059000-CONSERVATION SEEDING FOO SUD 059000-CONSERVATION SEEDING FOO SUD 059000-CONSERVATION SEEDING FOO SUD 059000-FOODSTATION SEEDING 059000-FOODSTATION SEEDING 059000-FOODSTATION SEEDING 059000-FOODSTATION SEEDING 059000-	Intit Un it C typ:F9130014; Unit Co antity:70.00 hc Unit III; Quantity:1,60.00 40.00 s:y; Unit Cost D; Quantity:2,780.0 PES; ** See Special P DUM: ** See Special D/UM: ** See Special OF TRAFFIC; ** See \$	Unit Cost \$43,24 hy220.00 1/4, Unit int Cost \$27,7971. Cost \$5,7973. Cost \$5,7973. C	Line #           0010           0011           0015           0021           0024           00027           00027           00027           00027           00027           00027           00027	0107090 0201001 0202000 0202216 0202217 0202529 0204151 0210621 0211000 0215001	3000 4 1.000 4 4.470.000 4 50.000 4 1.000 4 150.000 1 1.000 4 1.000 4 1.0000 4 1.000 4 1.0000 4 1.00	08. LS 0.9. 0.9. est. LS est. 8.9. (f.	333,73445 43,080,00000 21,60981 97,34232 1,000,00000 5,98140 120,000,00000 10,000,00000 27,89940 6,31126	2,916,20 43,080,00 96,595,85 4,867,12 1,000,00 897,21 120,000,00 10,000,00 4,742,90 6,879,27	Alt Code	ETOD I BOURDARY MORE IN GUINE Y MOMMENTI CLEARING AND GENERING LARTH DUCAVATION DECAVATION AND RELEG OF DISTING CHANNEL BOTT SUPPLYMENTAL STREAMED CHANNEL MATERIAL UTI BTUINNOUS CONCRETE RAVEMENT HANDLING WATER WATER PRULITION CONTROL WATER PRULITION CONTROL ANTER PRULITION CONTROL SYSTEM	(** See Special Provisions ** (** See Special Provisions ** ** See Special Provisions ** ** See Special Provisions **
10 0171-6472, Preposal Estimate, 2022-04-07 (1) Ext 01700 0170-0472, CABE 2020 0127 0147 0171003 REMOVE CABE 2020 0127 0117 0171003 REMOVE NATULE (EAUNA REL, Gumen 0170000 - 107000 - 10700 0127 01170 0190000 - 1070000 - 001700 0127 0190000 - 0010000 - 001700 0127 019000 - 00170000 - 00170000 0127 019000 - 00170000 - 001700000 0127 0170000 - 0017000000 0127 0170000 - 001700000 0127 0170000 - 001700000 0127 0170000 - 001700000 0127 0170000 - 001700000 0127 0170000 - 00170000 0127 017000 - 001700000 0127 0170000 - 001700000 0127 017000 - 0017000000 0127 017000 - 0017000000000000000000000000000	ntit Un tr, ty:25:00 h; Unit Co antity:70:00 h; Unit Co antity:70:00 h; Unit Co D; Quantity:70:00 D; Quantity:70:00 D; Cuantity:70:00 Quantity:70:00 cy; Quantity:00 cy;	Unit Cost \$43.24 Peo ty;220.00 Lf; Unit Init Cost \$27.7971. Cost \$5,79755.Tori Cost \$5,97855.Tori Cost \$5,97855.Tori Cost \$5,97855.Tori Cost \$2,865138; Toti It Cost \$33.71905 To sy, Unit Cost \$ \$3,09515; Total Cost \$2,000 Cost Provisions "Qual Il Provisions "Qual Il Provisions "Qual Special Provision Unit Cost \$13.12.	Line II           0010           0011           0015           0021           0024           0027           0028           0027           0020           0070           0072	0167050 0201601 0202000 0202216 0202217 0202529 020455 0216621 0216621 0216621 0216621 0216601 0215001 0204602	3000 4 1.000 4 4.470.000 4 50.000 4 1.000 4 1.000 4 1.000 4 1.000 4 1.000 4 1.000 4 1.000 4 1.000 4 1.000 0 1.000 0	04 LS 2.9, 2.9, 5.5 5.5 6.1, 1.5 6.1, 1.5 6.1, 1.5 6.1, 1.5 6.1, 1.5 6.1, 1.5 7, 1.5,7 7,7 7,7 7,7 7,7 7,7 7,7 7,7 7,7 7,7	333,73445 43,080,00000 21,60981 97,34232 1,000,00000 5,98140 120,000,00000 10,000,00000 27,89940 6,31126 56,75624	2,916,20 43,080,00 96,595,65 4,867,12 1,000,00 897,21 120,000,00 10,000,00 4,742,90 6,879,27 24,405,18	Alt Code	CTOTO TROUDOWN MADERAL GUAVEY MONIMENTI CLEARING AND CONCERENC LARITI DA CONCERENC LARITI DA CURRENT SUFFICIENTIAL STREAMED CHANNEL BOTT SUFFICIENTIAL STREAMED CHANNEL BOTT HAROLING WATER POLUTION CONTROL WATER POLUTION CONTROL WATER POLUTION CONTROL SEDMENTATION CONTROL SEDMENTATION CONTROL SEDMENTATION CONTROL SYSTEM MONCISSED ADDREAMENT BASE	(** See Special Provisions ** (** See Special Provisions ** ** See Special Provisions ** ** See Special Provisions **
10 0171-0472, Preposal Estimate, 2022-04-07 (1) Exit 0012399-2850/08 CABLE GUIDE RAIL: Claurett 1012309-2850/08 CABLE GUIDE RAIL: Claurett 1012309-2850/08 CABLE CONTROL CLAURET 005000-1102500-0000-0000-0000-0000-000 005000-1102-0000-0000-0000-0000-0000-000	ntit Un it C ty:191.00 Lf; Unit C ty:25.00 hr; Unit C ty:25.00 hr; Unit C ty:00 hr; Unit C ty:00 hr; Unit Unit C C; Quantity:1,960.00 PES; ** See Special P UDM; ** See Special OF TRAFFIC; ** See Quantity:0.00 c; V; EUUT; Quantity:1.0	Unit Cost \$43.24 Pee hys2200.014; Unit Nith and Cost \$27.7971; 17 Cost \$1,3779.36471 Cost \$5.91851; Toti Cost \$5.91851; Toti Cost \$5.91855; Toti Nith Cost \$3138; Toti I Cost \$3.37955; Total Ob sy: Unit Cost 1 Provisions "CQ I Provisions "CQ I Provisions "CQ I Provisions "CQ I Special Provisions Unit Cost \$3132; Unit Cost \$3132; O LS; Unit Cost \$	Line #           0010           0011           0012           0015           0021           0024           0005           0027           0048           0070           0072           0075	0167090           0201601           020200           020216           0202217           0202217           0202217           020218           020219           020210           020211           020211           020211           020211           0204523           020407           021000           021000           021000           0305000	3000 4 1.000 4 4.470.000 4 50.000 4 1.000 0 1.000 0	04 LS 0.9. est. est. 1.5 est. est. est. e.9. L. C. D. 9.	938,73445 43,080,00000 21,60981 97,34232 1,000,00000 5,98140 120,000,00000 10,000,00000 10,000,00000 2,7,89340 6,31126 96,79524 66,56674	2.816.20 43.080.00 96.595.65 4.867.12 1.000.00 10.000.00 4.742.90 6.879.27 24.405.18 4.659.67	Alt Code	CTOOD ISOURDAY MONET. GUIVEY MONIMENTI CLEARING AND REVENDS EARTH DEZIVATION DEZIVATION AND REVES OF DISTING CHANNEL BOTT SUPPLYMENTAL STREAMED CHANNEL BOTT ULUT BITUMOUS CONCRETE RAVEMENT HANDLING WATER MULTION CONTROL ANTI FAULTION WATER PALLITION CONTROL WATER PALLITION CONTROL STREAMENTAL STREAMENT PROCESSED AGRIEGATE BAGE PROCESSED AGRIEGATE BAGE	(** See Special Provisions ** (** See Special Provisions ** ** See Special Provisions ** ** See Special Provisions **
10 0171-6473, Preposal Estimate, 2022-64-67 (1) Ext 0707309-REMOVE CABLE COURE FAUL: Claused 1 012309-REMOVE CABLE COURE FAUL: Claused 1 012309-REMOVE AND REMOVE FAUL 1 012309-REMOVE AND REMOVE FAUL 1 012309-REMOVE AND REMOVE FAUL 1 012309-REMOVE AND REMOVE FAUL 1 012309-COURSENATION SEESONA FOR SCO 0 000006-COURSENATION SEESONA FOR SCO 0 000000-REMOVED AND ADD ADD ADD ADD ADD ADD 0 000000-REMOVED ADD ADD ADD ADD ADD ADD ADD ADD 0 000000-REMOVED ADD ADD ADD ADD ADD ADD ADD ADD ADD A	ntit Un tr (t;r191.001.f; Unit C (t;r25.001.f; Unit C (t;r25.001.f; Unit C (t;r25.001.f; Unit C (t;r25.001.f; Unit C (t;r25.17.65.001.f;r25.001.f;	Unit Cost \$43.24 / Peop hys2200 UL; Unit / Unit hit Cost \$27.7971. Cost \$3.797 abc? Cost \$3.797 abc? Cost \$3.797 abc? Cost \$3.797 abc? ti Cost \$3.79705. Oo syr Unit Cost \$ 4.53.09515; Total 00 syr Unit Cost \$ 1.67005 "Qual d Provisions "Qual d Provisions" Qual d Provision	Line II           0010           0011           0012           0015           0024           0025           0026           0027           0027           0027           0027           0027           0027           0027           0027           0027           0027           0027           0027           0027           0027           0027           0027           0025	0167050           0201001           0202000           0202000           0202216           0202217           0204151           0204151           0210621           0204151           0210621           02040529           0204151           021000           0215001           0305000           0406171	1,000 4,470,000 5,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 0 7,000 2,70,000	0.5 LS 0.9 0.9 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	930,73443 43,080,00000 21,60981 97,34232 1,000,00000 5,39140 120,000,00000 10,000,00000 27,89940 6,31126 56,75624 56,75624 174,10185	2,516,30 43,080,00 96,595,65 4,867,12 1,000,00 897,21 120,000,00 4,742,90 6,879,37 24,405,18 4,659,87 47,007,50	Alt Code	CTOTO TROUGHER MARKEN GURVEY MOMMENT I CLEARING AND CHEERING LARITH DATAWATINN DOLVANATION DELSG OF DISTING CHANNEL BOTT SUFFLICTURATIAL STREAMED CHANNEL BOTT UT BTURMOUS CONFETE PROMEMUT HANDLING WATER MADLING WATER MATTHROUTING CONTROL SEDMENTATION CONTROL SEDMENTATION CONTROL SYSTEM PROCESSED AGREEATE PROCESSED AGREEATE HANA SO S	(** See Special Provisions ** (** See Special Provisions ** ** See Special Provisions ** ** See Special Provisions **
10 0171-0473, Preposel Estimate, 2022-04-07 (1) Exit 0172399-REMOVE CABLE GUIDE RAIL: Quarter 10712399-REMOVE CABLE GUIDE RAIL: Quarter 10702399-REMOVE CONTROL CONTROL 019900-19900-REMOVE CONTROL CONTROL 019900-1990-REMOVE CONTROL CONTROL 019900-19900-REMOVE CONTROL CONTROL 019900-REMOVEL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL 019900-REMOVEL CONTROL	ntit Un it C ity-19100 Lf.; Unic C ity-25.00 Lf.; Unic C ity-25.00 Lf.; Unic C ity-25.00 Lf.; Unic C otto 100 sy; Unic Cost D; Quantity-100 h; Unic C Ses Special GGER); " See Sp	Unic Cost \$41.24 \$20200 (11; Unic Cost \$1,27) 2407 Intic Cost \$2,7771; Cost \$2,57151; Tor Cost \$3,27161; Cost \$3,27160; Cost \$3,27160;	Line II           0010           0011           0012           0015           0021           0024           0027           0004           0027           0027           0027           0027           0027           0027           0027           0026           0027           0025           0026           0027           0025           0025           0025           0025	1107050           0201001           0202000           020216           020217           0202529           0204151           021021           020529           0204151           021001           021002           020621           021000           021000           021000           021000           021000           020621           0304002           0305000           0406256	1,000 4,470,000 50,000 1,000 1,000 1,000 1,000 1,000 1,000 4,0000 4,0000 1,000	ob LS 2,5, 2,5, 2,7, 4,5, 2,5, 4,5, 4,5, 4,5, 4,5, 4,5, 4,5	938,73445 43,868,0000 21,60391 97,34232 1,000,0000 5,99140 120,000,00000 10,000,00000 27,89940 6,31126 66,56874 174,100946 155,7910	2,616,20 43,080,00 96,596,65 4,867,12 1,20,000,00 10,000,00 4,742,90 4,6879,27 24,405,18 4,559,67 47,007,50 2,181,07	Alt Code	CTOOD ISOURCEAF MORELE (SURVEY MORMARY) CLEARING AND REVENDE ANTH DEVANITION DEVANITION DELESS OF DISTING CHANNEL BOTT SURVEXIMINATIAL STREAMBOD CHANNEL BOTT SURVEXIMINATIAL STREAMBOD CHANNEL MATERIAL DUTI BITUNIOUS CONCRETE RAVEMENT HANDCHING WATER MUCHING LIDING CONTROL. MATERIAL TORI DI ANDI STREAM PROCESSED ADRIEGATE BAGE PROCESSED ADRIEGATE HAMA 80 5 MATERIAL TORI TAX/CDAT	(** See Special Provisions ** (** See Special Provisions ** ** See Special Provisions ** ** See Special Provisions **
10 0171-0472, Preposal Estimate, 2022-04-07 (1) Ext 0712397-882M/01E CABLE GUIDE RAIL: Claured 1 0112307-883M/01E CABLE GUIDE RAIL: Claured 1 01112307-883M/01E CABLE GUIDE RAIL: Claured 1 0112307-883M/01E CABLE GUIDE RAIL: Claured 1 0112307-883M/01E CABLE RAIL: CLAURE RAIL: CLAURED 1 0112307-883M/01E CABLE RAIL: CLAURED 1 011307-883M/01E CABLE RAIL: CLAURED 1 011307-883M/01E CABLE RAIL: CLAURED 1 01	ntit Un it C typ:191.00 U; Uinit C typ:191.00 U; Uinit C typ:191.00 U; Uinit C typ:100 U;	Unic Cost \$41,24	Line II           0010           0011           0012           0015           0021           0024           0027           0024           0027           0027           0028           0027           0070           0075           0075           0075           0075           010           0112	1107050           0201001           020216           0202217           0202529           020217           0202529           0204151           0216621           021500           0204151           0216621           0216621           0216621           0216621           0215001           0466171           046526           0425001	1,000   4,470,000 ( 50,000 ( 1,000 ( 1,000 ( 1,000 ( 1,000 ( 7,000 ( 2,000 ( 2,280,00 ( 2,280,00 ( 2,280,00 (	04 LS 0.9/ 0.9/ 0.9/ 0.9/ 0.9/ 0.5 0.0/ 0.0/ 0.0/ 0.0/ 0.0/ 0.0/ 0.0/	93873445 42,080,00000 216,00391 97,34232 1,000,00000 5,93140 120,000,00000 10,000,00000 12,09340 6,31126 56,75624 56,75624 174,10185 15,57310 10,80165	2,616,52) 43,080,00 56,595,65 4,967,12 1,000,00 10,000,00 10,000,00 4,742,20 6,879,27 24,405,18 4,559,67 47,007,50 2,181,07 24,735,78	Alt Code	CEDD TROUGHER MARKEN GURVEY MOMMENT I CLEARING AND REUSE OF DISTING CHANNEL BOTT DOWNTON DEUSE OF DISTING CHANNEL BOTT SUPPLY CHANTAL STREAMED CHANNEL BOTT UT BTURMOUS CONCRETE PAVEMENT HIMDURAN WATER PAULITION CONTROL WATER POLLITION CONTROL WATER POLLITION CONTROL SECONDATION FOO SECONDATION FOO SECONDATION CONTROL PROCESSED AGREEMET HIMAS DS MATERIAL FOR TACK CDAT FIRM MULIAGO TACK CDATEL	(* See Special Pointions * (* See Special Pointions * * See Special Pointions * * See Special Pointions * - See Special Pointions **
10 0171-0473, Preposel Estimate, 2022-04-07 (1) Ext 0712397-888/070E CABLE GUIDE RAIL: Guident 1 0712397-888/070E CABLE GUIDE RAIL: Guident 1 0712397-888/070E UST CONTINCL, Guident 0 050300-889/070E CABLE CONTINCL, Guident 0 050300-889/070E CABLE CONTINUE, CABLE 1 059500-CONTINUETOR IN LIBO OFFICE, MED 0 059500-0000-2010 MED MED CONTINUE AND OFFICE 1 0597000-TRAFFIC CONE: Guide Guide CABLE 0 0597000-CONTINUETOR UNA DERICE TO CON 0 0597000-TRAFFIC CONE: Guide Guide CABLE 0 0597000-CONTINUETOR UNA DERICE TO CON 0 0597000-CONTINUETOR UNA DERICE TO CON 0 0597000-CONTINUETOR UNA DERICE TO CON 0 000000-CONTINUETOR UNA DERICE TO CON 0 000000-CONTINUETOR MED MED CONFERICATION 0 000000-CONTINUETOR UNA DERICE TO CON 0 00000-CONTINUETOR UNA DERICE TO CON 0 00000-CONTINUETOR UNA DERICE TO CON 0 00000-CONTINUETOR UNA DERICE TO CONTINUETOR UNA DERICE TO CON 0 00000-CONTINUETOR UNA DERICE TO CON 0 0000-CONTINUETOR UNA DERICE TO CON 0 0000-CONTINUETOR UNA DERICE TO CON 0 00000-CONTINUETOR UNA DERICE TO CON 0 00000-CONTINUETOR UNA DERICE TO CON 0 0000-CONTINUETOR UNA DERICE TO CON 0 0000-CONTINUETOR UNA DERICE TO CON 0 0000-CONTINUET	Initia Unit (Unit	Unic cost \$81.22 in	Line II           0010           0011           0012           0015           0021           0026           0027           0040           0075           0075           0075           0055           0075           0055           0110           01112           0115	C110860           C021001           C021001           C020215           C020217           C020217           C020217           C020217           C020217           C020218           C020217           C0202217           C020217           C0202217           C020217           C0202217           C020217           C020217           C020217           C020218           C021000           C0210001           C020001           C020000           C020001           C020000           C020001           C0200001	1,000 4,470,000 50,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 0,000 1,000 0,000 1,000 0,000000	ob LS D.y. D.y. D.y. Est. LS Seat. LS Seat. LS Seat. LS Seat. D.y. Com Dom Dom Dom Dom Dom Dom Dom Dom Dom D	4307445 43,080.0000 21.6091 37.3425 1.000.00000 5.99140 120,000.00000 10,000.00000 27.89440 6.31156 56.79524 56.595740 15.57910 10.80165 128.00000	2,616,20 43,080,00 56,556,65 4,867,12 1,20,000,00 10,000,00 4,742,30 4,678,27 24,405,18 4,659,87 47,007,50 2,181,07 24,735,77 24,735,77	All Code	CTOOD ISOURCEAF MORE ALL SUPPORT MOREMENT 1 CLEARING AND REVENTS LARITH DOCUMATION DOCUMATION AND REVES OF DISTING CHANNEL BOTT SUPPERMENTAL STREAMED CHANNEL BOTT ULUT BITUMOUS CONCRETE PAVEMENT HANDCHNG WATER MULTION CONTROL MATTE PRULITION CONTROL MATTER PRULITION CONTROL MATTER PRULITION CONTROL SYSTEM PROCESSED ADDREGATE BADE PROCESSED ADDREGATE BADE HAMA SD 5 MATERIAL (PRO TAX) COAT FIRE MULTING OF BITUMINOUS CONCRETE (SIN TO 4-6) HEAVY FIREAR	"See Speed Pointons **      "See Speed Pointons **     "See Speed Pointons **     "See Speed Pointons **      "See Speed Pointons **
10 0171-0472, Proposal Estimate, 2022-04-07 (1) Ext 010100 EXECUTE CALE CALE SALE CALE 010100 EXECUTE CALE CALE SALE CALE 010100 EXECUTE AND EXECUTE CALE 010000 - FUNDER CALE AND EXECUTE CALE 000000 - FUNDER CALE AND EXECUTE CALE 000000 - FUNDER CALE AND EXECUTE CALE 000000 - CONSTRUCT ON FILL OWNER ON 000000 - CONSTRUCT ON FILL OWNER OWNER 000000 - CONSTRUCT ON FILL OWNER OWNER 000000 - CONSTRUCT ON FILL OWNER OWNER 000000 - CONSTRUCT ON FILL OWNER OWNER 00000 - CONSTRUCT OWNER OWNER OWNER OWNER OWNER 00000 - CONSTRUCT OWNER OWNER OWNER OWNER OWNER OWNER OWNER 00000 - CONSTRUCT OWNER	Initial in the second s	Unic Cost \$43,22	Line II           0010           0011           0012           0015           0021           0024           0027           0040           0070           0072           0075           0005           0015           0027           0070           0075           0085           0110           0112           0115           0127	(01850) 0201601 020200 0202216 0202217 0202217 0202217 0202539 020217 0204151 021621 021621 021621 021601 021601 021600 046171 046602 046672 046601 046625 046601	3000 1,000 4,470000 50,000 1,000	04 I.S 0.5 0.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1	938,7345         43,080,0000           42,080,0000         216,0031           21,60381         97,3422           1,000,00000         5,9140           10,000,00000         27,89340           6,31126         56,7862           16,57310         10,80165           15,57310         10,80165           128,0000         128,0900	2,616,52) 43,080,00 56,595,65 4,967,12 1,000,00 897,21 120,000,00 10,000,00 4,742,90 6,879,27 24,405,18 4,659,67 47,007,50 2,181,07 24,735,78 122,869,78 30,221,80	AR Code	ICTOD ISOURDAY MARKET, GUNRY MONUMENT) CLEARING AND REURENS LATHI SCUANTON DECIVATION ON DELSE OF DISTING CHANNEL BOTT SUPPLICATION ON DELSE OF DISTING CHANNEL BOTT UNTERNOLTATION CONFERD WARTER POLITION CONFIROL WARTER POLITION CONFIROL WARTER POLITION CONFIROL POLICISSIO ADDRESATE BASE PROCESSIO ADDRESATE BASE PROCESI	See Special Provisions **     The Special Provisions **     ** See Special Provisions **     **     See Special Provisions **     **     See Special Provisions **     **     See Special Provisions **     **     See Special Provisions **
10 0171-0472, Preposal Estimate, 2022-04-07 (1) Ext 0012397-828/070E CABLE GUIDE RAIL: Guardel 0012397-828/070E CABLE GUIDE RAIL: Guardel 0012307-828/070E CABLE GUIDE RAIL: Guardel 0012007-828/070E CABLE GUIDE RAIL: Guardel 0023095-1016 CABLE GUIDE RAIL: GUIDE CABLE 0023095-1016 CABLE GUIDE CABLE 002300-11016 CABLE 002300-11016 CABLE 002300-018000-0140 CABLE 002300-018000-014000-01400-0	nitit i Un i C (gr;191,001,4; Unit C (arbit; 20,001,4; Unit C (arbit; 20,001,4; Unit C (arbit; 20,001,4; Unit C (arbit; 10, Quantity; 2, 700,0 PE; ** Se Special GGER; ** See Special GGER; ** See Special PC (TrAFFIC; ** See Quantity; 50,00 c; ** SeUT; Quantity; 10,0 EH INTENSITY; Quan Dinit Cost 322,990,35; III; Quantity; 10,01 C; Unit C (arbit; 10,01 C; Unit; 10,01 C; Unit C (arbit; 10,01 C; Unit; 10,01 C; Unit; 10,01 C; Unit; 10,01 C; Unit; 10,01 C; 10,01 C	Unic cost \$12,22 Unic Cost \$12,220 U; Unic Cost \$12,273 U; Unic Cost \$2,2613 U; Unic Cost \$2,2613 U; Unic Cost \$2,2613 U; Unic Cost \$1,273 U; Unic Cost \$1,273 U; Unic Cost \$1,273 U; Unic Cost \$1,270 U; Unic Cost \$5,175 U; Unic Cost \$5,175 U; Unic Cost \$5,176 U; Unic \$1,176 U; Unic Cost \$5,176 U; Unic Cost \$5,176 U; Unic \$1,	Uses         010           0011         0011           0013         0015           0014         0015           0021         0021           0024         0024           0026         0027           0049         0049           0040         0047           0045         0047           0046         0070           0070         0075           0049         0112           0115         0127           0140         0140	(B1850) 0221001 0221001 0202016 0302217 0202216 0302217 0202216 0202217 0202223 0202217 0202223 020117 020100 021000 021000 021000 021000 020000 020001 020000 020001 020000 020001 020000 02000 020000 020000 020000 020000 02000 02000 02000 0000 02000 02000 02000 02000 02000 0000 02000 00000 00000 00000 000000	\$000 1,000 4,470,000 5,0000 1,000 1,000 1,000 1,000 1,000 1,0000 1,0000 2,20000 2,0000000 2,00000 2,000000	94 LS 2,5, 2,5, 4, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	938 7446         43,050,0302           42,050,0302         21,60381           27,465         37,3422           1,000,00000         5,98140           120,000,00000         5,98140           120,000,00000         2,7,03940           63,7824         66,58574           66,58574         116,57310           10,000,00000         12,57310           110,000,00000         12,57310           110,000,00000         12,57310           112,00000         12,583000           127,29816         372,29816	2,616,53) 43,060,00 56,595,65 4,667,12 1,000,00 897,21 120,000,00 4,742,90 10,000,00 4,742,90 24,405,10 4,559,67 4,700,50 2,181,07 24,75,79 122,880,00 30,273,86 2,5054,35	Alt Code	CTOOT DOURGANY MADELE (SURVEY MOMMENT) CLEARING AND REVENTS EARTH DOURANTIN DOURANTIN DOURANTIN SURVEXIMANTIAL STREAMED CHANNEL BOTT SURVEXIMANTIAL STREAMED CHANNEL BOTT MADCUNG VALUER MATER PALLITING CONFROL SANTERN AMTER PALLITING CONFROL MATER PALLITING CONFROL MATERNAL TO FILM AND A CONFROL MATERNAL TO FILM A CONFROL MATERNAL TO FILM A	"See Speed Pointons **      "See Speed Pointons **     "See Speed Pointons **     "See Speed Pointons **      "See Speed Pointons **
10 0171-0472, Preposal Estimute, 2022-04-07 (1) Ext 0072039782MORE CABLE CUBE PAUL Council 0072039782MORE CABLE CUBE PAUL Council 0072039782MORE CABLE CUBE PAUL Council 00720397847874 FOR DIAL COUNCIL COUNCIL COUNCIL 0050030-E000500 COUNCIL CUBE PAUL COUNCIL COUNCIL 0050030-E000500 COUNCIL CUBE PAUL COUNCIL COUNCIL 0050030-E000500 COUNCIL CUBE PAUL COUNCIL CUBE 0050030-E000500 COUNCIL CUBE PAUL CUBE PAUL CUBE 005000-E000500 COUNCIL CUBE PAUL CUBE PAUL CUBE 005000-COUNCIL CUBE PAUL CUBE PAUL CUBE 0070000 TRUFFLEXCOL CUBE PAUL CUBE PAUL CUBE 0070000 COUNCIL CUBE PAUL CUBE PAUL CUBE PAUL CUBE 0070000 CUBE PAUL CUBE PAUL CUBE PAUL CUBE PAUL CUBE 0070000 CUBE PAUL CUBE PAUL CUBE PAUL CUBE PAUL CUBE PAUL CUBE 0070000 CUBE PAUL CUB	Inter Graph 2000 (12) (100 - 100 -	Unic cost \$12.26	Child         Child <th< td=""><td>(01850) 021000 020200 020215 020217 020217 020217 020217 020217 020217 020217 020217 020217 020217 020217 020217 020217 020217 020217 020217 02000 02000 0000 00000 000000</td><td>3000 1,000 4,470,000 5,0000 1,000</td><td>ел LS CS, CS, CS, CS, CS, LS LS LS LS LS LS LS CS, CS, CS, CS, CS, CS, CS, CS, CS, CS</td><td>938 7246           43,080 0000           21,60981           97 34222           1,000 00000           5,98140           120,000 00000           120,000 00000           120,000 00000           120,000 00000           120,000 00000           6,37126           56,5781           15,57910           10,8165           126,00000           125,89000           372,20516           28,61781</td><td>2,616,53) 43,060,00 56,556,65 4,867,12 1,000,00 837,21 130,000,00 4,742,30 6,879,27 24,4405,18 4,559,67 24,4405,18 4,459,87 2,181,07 24,475,59 2,181,07 24,475,59 3,554,35 6,574,559</td><td>Alt Code</td><td>International Concernation Advances (Concernation) CLARING AND REQUERING LARITH EXECUTION EXEMPTION RELIGY OF DISTING CHANNEL BOTT SUPPLICATION RELIGY OF DISTING CHANNEL BOTT SUPPLICATION RELIGY OF DISTING CHANNEL BOTT HANDLING KONCERNET CHANNEL BOTT MATER PROLIDENC CONTROL ANTER PROLIDENCE DISTING SOMEWAY AND ADVANCES SOMEWAY AND ADVANCES PROCESSED AGREEATE PROCESSED AGR</td><td>See Special Provision **     See Special Provision **</td></th<>	(01850) 021000 020200 020215 020217 020217 020217 020217 020217 020217 020217 020217 020217 020217 020217 020217 020217 020217 020217 020217 02000 02000 0000 00000 000000	3000 1,000 4,470,000 5,0000 1,000	ел LS CS, CS, CS, CS, CS, LS LS LS LS LS LS LS CS, CS, CS, CS, CS, CS, CS, CS, CS, CS	938 7246           43,080 0000           21,60981           97 34222           1,000 00000           5,98140           120,000 00000           120,000 00000           120,000 00000           120,000 00000           120,000 00000           6,37126           56,5781           15,57910           10,8165           126,00000           125,89000           372,20516           28,61781	2,616,53) 43,060,00 56,556,65 4,867,12 1,000,00 837,21 130,000,00 4,742,30 6,879,27 24,4405,18 4,559,67 24,4405,18 4,459,87 2,181,07 24,475,59 2,181,07 24,475,59 3,554,35 6,574,559	Alt Code	International Concernation Advances (Concernation) CLARING AND REQUERING LARITH EXECUTION EXEMPTION RELIGY OF DISTING CHANNEL BOTT SUPPLICATION RELIGY OF DISTING CHANNEL BOTT SUPPLICATION RELIGY OF DISTING CHANNEL BOTT HANDLING KONCERNET CHANNEL BOTT MATER PROLIDENC CONTROL ANTER PROLIDENCE DISTING SOMEWAY AND ADVANCES SOMEWAY AND ADVANCES PROCESSED AGREEATE PROCESSED AGR	See Special Provision **     See Special Provision **
10 0171-0473, Preposel Estimate, 2022-04-07 (1) Ext 0171299-REMOVE CABLE GUIDE RAIL: ClaureM 1071299-REMOVE CABLE GUIDE RAIL: ClaureM 107129-REMOVE CABLE RAIL: CLAUREM 107129-REMOVE RAIL: RAIL: CLAUREM 107129-REMOVE RAIL: RAIL: RAIL: CLAUREM 107129-REMOVE RAIL:	the second	Unic Cost 812.28 Unic Cost 812.78 Unic Cost 812.78 Unic Cost 812.78 Unic Cost 812.78 Unic Cost 813.78 Unic C	Otop         Output           0010         0011           0012         0012           0013         0024           0024         0027           0002         0007           0007         0007           0007         0007           00075         0005           0112         0115           012         012           013         012           0142         0145	(018/00) (02/1001 02/2000) 02/20216 02/20217 00/20200000000000000000000000000000000	1,000 4,470,000 5,0000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 2,20,000 2,20,000 2,230,000 2,230,000 2,230,000 2,230,000 2,2470,000 2,4700,0000,0000000000000000000000000000	na LS Cop. Cop. Cop. Cop. Cop. Cop. Cop. Cop.	938 7245         938 7245           42,050,03020         216 00381           27,850,03020         5,98140           120,000,00000         5,98140           120,000,00000         6,37126           95,78524         65,78524           155,78100         10,000155           15,57310         10,000155           120,000,00015         25,89300           372,29516         25,61741           25,61731         35,00000	2,616,53) 42,080,00 56,956,65 4,667,12 1,000,00 897,21 12,000,00 4,742,90 10,000,00 4,742,90 2,6879,327 2,44,05,18 4,659,87 47,007,50 2,161,07 24,735,78 122,859,87 47,007,50 24,735,78 122,859,85 45,745,59 25,545,59 17,150,00	Alt Code	CTOOT DROUGHAW MADELE GUIVAY MADAMENTI CALARING AND GRUEBING LAATIH DAZWATIEN DOZWATIEN AND REUSE OF DISTING CHANNEL BOTT SUPPLICAMENTAL STREAMBED CHANNEL BOTT SUPPLICAMENTAL STREAMBED CHANNEL BOTT MADCUNG WATER MADULTING CONFRECT ENVEMMENT WATER PALLITING CONFRECT STREAM PROCESSED ADDREATE BADE PROCESSED ADDREATE BA	See Special Provisions **     The Special Provisions **     ** See Special Provisions **     **     See Special Provisions **     **     See Special Provisions **     **     See Special Provisions **     **     See Special Provisions **
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10 0171-6472, Preposal Estimute, 2022-64-67 (1) Ext 0707299-REMOVE CARLE GUIDE RAIL: Guident 1 011203-REMOVE MATLE LEAR ANAL, Guident 1 011203-REMOVE MATLE LEAR ANAL, Guident 0 00000-REMOVE CARLES OUT AND ANAL ANAL ANAL ANAL 0 000000-REMOVE CARLES OUT ANAL ANAL ANAL ANAL ANAL ANAL ANAL ANA	Inter Grant Control (Control (Contro) (Contro) (Contro) (Contro) (Contro) (Contro)	Unic cost \$12.28	Otto         Otto           011         0011           0012         0015           0013         0024           0024         0024           0027         0027           0075         0005           0070         0072           0075         0005           0070         0072           0072         0075           0085         0010           0110         0112           012         0115           012         0145           014         0145           015         0145           0145         0145	(B1896)     (B1896)     (C2100)     (C2100)     (C2121     (C2121     (C2121     (C2121     (C2121     (C2125     (C2165     (C	1000 1000 4.47000 5000 100	ра LS CS CS CS CS CS CS CS CS CS C	938 72449         938 72449           43.080.00000         21.60981           97 34222         1.000.00000           5 98140         15.98140           10.000.000000         2.98984           6 51716         5.78140           15.578100         10.000.00000           10.000.000000         2.98984           6 59574         10.00165           15.578100         10.00165           12.800000         372.20516           28.61781         35.00000           4.45497         2.93253           4.324000         4.45497	2,016,30 4,0160,00 86,595,95 4,657,12 1,000,00 987,21 1,000,00 1,000,00 4,742,90 4,742,90 4,742,90 4,742,90 4,742,90 4,742,90 1,000,000,00 1,000,000,00 1,000,000,000,000 1,000,000,000,000	All Code	CEDED EXEMPTION MARKET, GUNRAY MONUMENT) CELARING AND EXEMPTION LATTIN DECIVATION DECIVATION ON DELSE OF DISTING CHANNEL BOTT SUPPLICATION ON DELSE OF DISTING CHANNEL BOTT SUPPLICATION ON DELSE OF DISTING CHANNEL BOTT MARCING NUMER MATTER POLILIDING CONTROL MATTER POLILIDING CONTROL MATTER POLILIDING CONTROL MATTER POLILIDING CONTROL MATTER POLICIDING CONTROL POLICIDING CONTROL MATTER POLICIDING CONTROL M	See Special Provision **     See Special Provision **
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- 14. Enter project number (1)
- 15. Select file save location (2)
- 16. Click Save (3)



### Import Estimator XML File into AASHTOWare Project

- 1. Ensure that the proper url is selected: https://ctdot-pr-prod.infotechinc.com/Account/LogOn
- 2. Enter User name and password

Project
kocabajt
CONNDOT
Log On
Version 4.4 Revision 034

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3. Select the role CT\_DOT Estimation

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- 4. Select Global Actions (1)
- 5. Select Import File (2)

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- 6. Select "Select File" (1)
- 7. Locate project file to import (2)
- 8. Select "Open" (3)

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	AASHTOWare	a.8 Bid-Based Pricing Methodology Guide	3/10/2023 12:27 PM	PDF Document	
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				1 James	
	File name:		Y	All Files V	
			3	Open Cancel	

- 9. Maintain "Import Project" selection (1)
- 10. Maintain "Update existing items and ignore blanks" selection (2)

Home   Home	Actions	() Help	U Log off
Import			
✓ Estimator Import		Import	- 😯
Select File			
0149-0086.xml 340208 bytes			
Action  i (moot Project ) Checken Project Checken Project Checken Project Checken Project Checken Project Checken Project Checken Projection using xml file Checken Projection u			
Name			
0149-0088			
Description SLOPE STABILIZATION ON ROUTE 45 AT LAKE WARAMAUG BROOK			
Cetions Contrast existing terms and ignore blanks Contrast existing terms and transc vervme Contrast existing terms before loading Cotekte all existing items before loading Cotekte project before loading			

- 11. A successful import will produce the following message. If error messages are generated, modification to the estimator file must be completed and a revised import completed. The error messages may be related to incomplete page 1 or 2 header information, category description or inaccurate special provision labels.
- 12. Select "Open Project"

Home    Home			Actions	() Help	U Log off
Import	Import succeeded.	×			
✓ Import				Import	- ?
Select File					

# Update Project Summary Information

### 1. Select proper Project

Home	es •				Actions Help Log
Project Overview					
✓ Project Overview					Save 🔻 🍸
Q Type search criteria or press Enter	CreatedDate   Showing 56 of 1992				0 char
TEST9998	Q TEST9998				
Project Number Proposal	Descr	Project Engineer	Project Work Type	Phase	
TEST999	Q TEST999				
TEST20230318	Q Test		ASPH - ASPHALT PAVING		
0046-0127	Replacement of Bridge 01524		STRS - STRUCTURAL STE	EL	
Test002	Q Traffic Project Template				
0999-0999	Q Dec 14 2022 TEST		ERTH - EARTHWORK		
TEST001	Q Traffic Project Template				

- 2. Select "General"
- 3. Enter project information. The red boxes indicate the required data to be provided on this screen. If multiple projects are integrated into one contract, please select which project is the controlling project.

Home   Home	s, •		Actions Help Log of
verview Categories and Items Cost E	stimate Fund Package Overview Funding: Assign to Items Item Alternate Summary Item Pricing Item Workshee	t Wage Decisions	
roject Summary			
✓ Project: TEST9998 - TEST9998			Save. 🗢 🖓
Proposal:			
General 1	Project Number TEST9998	Incidentals and Contingences	
istricts.	Project Description •	Highway Type	
loints toad Segments	TEST9998	Q	
ridge Segments	Spec Book (Item List 11 = Engl, 10 = Metric) +	Historical Inc and Cont-LEAVE BLANK	
Vortfow	11 Unit System* Project Number Project Humber Project Humber Project Rumber Project Rumber Project Rumber Id 2331 Created By CONNOCT Mocadagi Created Data Out20023 9.24.40 AM	Primary Project County HTFD - Hantlord Primary Project District ID 2 - Norwich Town 1 • • Town 2 • • Town 3 • • Town 4 • • Town 4 • • Town 6 • •	

4. Counties, Districts and Project midpoints have already been entered previously. However, it is good practice to ensure that each tab contains accurate project data. If the project contains more than one asset it is recommended that separate points be entered for each feature. See the curb ramp example below.

Home    Home	ŝ 💌		Actions Help Log
erview Categories and Items Cost E	stimate Fund Package Overview Funding: Assign to Items Item Alternate Summ	ary Item Pricing Item Worksheet Wage Decisions	
roject Summary	Save Complete	×	
✓ Project: 0063-0038 - ADA Curb	Ramps in Hartford and Windsor		Save 👻 🖓
Proposal:			
General			
Counties	Q Type search criteria or press Enter Showing 6 of 6		
Districts	New		0 added 0 marked for deletion 0 change
Points	✓ 013CR-15479	Curb Ramp - Windsor	
toad Segments			
Bridge Segments	Feature * 🔻	Description * 🔻	
Vorkflow	013CR-15479	Curb Ramp - Windsor	Q
	Latitude * 💌	Longitude 🕈 🔻	
	41:48:12.50	-72:39:33.56	
		Id	
		2366	
	> 013CR-15486	Curb Ramp - Windsor	-
	> 013CR-19136	Curb Ramp - Windsor	•
	> 013CR-19137	Curb Ramp - Windsor	•
	> 013CR-29785	Curb Ramp - Hartford	•
	> 013CR-29786	Curb Ramp - Hartford	-

- 5. Road Segments entries are currently not required
- 6. Select Bridge Segments (1) This data must be entered for each structure reconstructed or rehabilitated

- 7. Select New (2)
- 8. Enter the required Bridge Segment data (3)
- 9. If an additional Bridge Segment is necessary, select new to enter another segment.

Home	3	Actions Help Log off
Overview Categories and Items Cost Estimat Project Summary	ie Fund Package Overview Funding: Assign to Items Item Alternate Summary Item Pricing Item Worksheet Wage Decisions	
✓ Project: 0052-0093 - Replacement o	f Bridge No.01547 Carrying Route 207 over Beaver Brook	Save 👻 ?
Proposal:		
General Counties Districts 2 Points Road Segments	Q     Type search criteria or press Enter     Advanced     Showing 1 or 1       New     01547 - Route 207 over Beaver Brook     003.02 - Steel Stringer/Multi Beam or Girder	0 added   0 marked for deletion   0 changed
Roda segurina Bridge Segurents Workflow	Bridge Number*▼ U1547 Description*▼ Roule 207 over Beaver Brook Bridge Type▼ Bridge Type▼ Bridge Type▼ Category ID ▼ O1-01547 - Roule 207 over Beaver Brook Category ID ▼ O1-01547 - Roule 207 over Beaver Brook ▼	٩

- 10. Select Workflow (1)
- 11. Select Standard ConnDOT Workflow (2)
- 12. Select 10-Cost Estimate Phase (3)
- 13. Click "Save" (4)

Home   Home   Home		Actions Help Log off
Overview Categories and Items Cost Est	timate Fund Package Overview Funding: Assign to Items Item Alternate Summary Item Pricing Item Worksheet Wage Decisions	
Project Summary		
✓ Project: TEST9998 - TEST9998		Save 7
Proposal:		
General	Workflow	
Counties 2	Standard ConnDOT Workflow -	
Districts	WorkflowPhase	
Points	10-Cost Estimate Phases •	
Road Segments	To obst Editinate - made	
Bridge Segments	10-Cost Estimate Phases	
Workflow 1	20-Processing for Final Estimate and Proposal	
WORNDW	30-Processing and Contracts Overlap before Advertisement	
	40-Contracts-Advertisement Phase	
	50-Contracts - Addenda Phase	
	60-Contracts - Letting Day Processing	
	80-Contracts Post Bid Letting Activities	
	90-Contracts Award and Rejection Determination	
	100-Preconstruction Activities completed	
	440 Constant out in Antine (ATD)	

# Modify Project Asset Categories

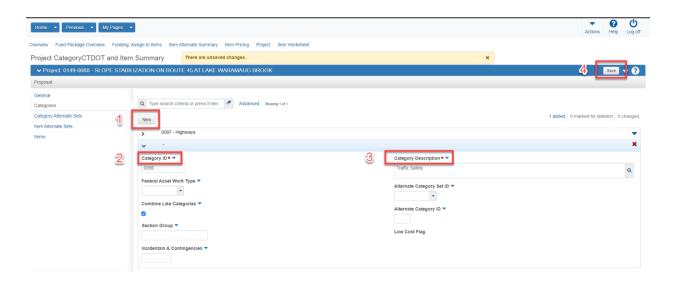
1. Navigate to Categories on the project Summary screen

Home	y Pages 🔹	Actions Help Log off
Overview Fund Package Overview	Funding: Assign to Items Item Alternate Summary Item Pricing Project Item Worksheet	
Project CategoryCTDOT	and Item Summary	
✓ Project: 0149-0088 - SLOI	PE STABILIZATION ON ROUTE 45 AT LAKE WARAMAUG BROOK	Save 👻 🖓
Proposal:		
General	Project Number	Incidentals and Contingences
Categories	0149-0088	
Category Alternate Sets	Project Description •	Highway Type
Item Alternate Sets	SLOPE STABILIZATION ON ROUTE 45 AT LAKE WARAMAUG BROOK	•
Items	Spec Book (Item List 11 = Engl, 10 = Metric) • 11 Unit System • English • Pederal Project Number Ods (133) Project Work Type GENC - GENERAL CONSTRUCTION • Project them Total	Historical Inc and Cont-LEAVE BLANK Primary Project County LTF0 - LEATHERS Primary Project District ID 4 - Thomaston Town 1 Town 2 Town 2
	State Project Number Project Engineer Designed By Id 2332	Town 3 Town 4 Town 4 Town 5 Town 6
	Created By	Controlling Project

- 2. Modify existing category ID (1)
- 3. Modify existing category description (2)
- 4. Click "Save" (3)

Home   Home   Home			Actions Help Log off
Overview Fund Package Overview Funding: As Project CategoryCTDOT and Item	sign to litems Rem Alternate Summary Rem Pitcing Project Rem Worksheet Summary There are unsaved changes. ZATION ON ROUTE 45 AT LAKE WARAMAUG BROOK  Type search oriteria or press Enter Advanced Sweeg 1 of 1 New Cool - SLOPE STABILIZATION ON ROUTE 45 AT LAKE WARAMAUG BROO Category ID • Coop Federal Asset Work Type • Combine Like Categories • Combine Cate	X Category Description • • Highways Alternate Category Itel 10 • Alternate Category ID • Low Cost Flag	
	Incidentals & Contingencies 🔻	No	

- 5. Create new categories based upon the following template and project assets. Do this as many times as needed to fulfill all project asset categories.
- 6. Click "New" (1)
- 7. Enter category ID (2)
- 8. Enter category description (3)
- 9. Click Save



t Summary	New			0 added 0 marked for deletion 0 change
t Estimate Items				
-Construction Costs	> Category 01BR-XXXXX	Category Descr Bridge location and decription	Category Total	•
kups	> 01BRGEN	Bridge General		-
	> 02PAVEMENT	Pavement Treatments		-
	> 03TRSGNL-XXX-XXXX	Traffic Signal location and description		-
	> 04SIGN	Sign Location and description		-
	> 05SIGNSPRT-XXX	Sign Support location and description		-
	> 06PVMTMRK	Pavement Markings location and description		•
	> 07HWYBLDGS	Highway Buildings (Tier 1,2,3) Location and description		-
	> 08RDWYILLMTN	Roadway Illumination location and description		-
	> 09RETAININGWALL	Retaining Walls location and description		-
	> 10DRAINAGE	Drainage Culverts location and description		•
	> 11ITS-XXX	ITS location and description		-
	> 12RDWYSAFHDW	Roadway Safety Hardware - location and description		-
	> 13CURBRAMPS	Curb Ramps - location and description		-
	> 14NOISEWALL	Noise Walls - description and location		
	> BOCMNLS	Common Lump Sum Items		
	> 81STDGEN	Standard General (Field Office, etc)		
	> 82LNDSCP	Landscape Items		•
	> 83HWYGEN	Highways General		-
	> 84TRAFSFTY	Traffic Safety		•
	> 85ENVRMT	Environmental		-
	> 86NONPARTICIPATING	Non-Participating Contract Items		-
	> 87NONSTATE	Non-State Assets		<b>•</b>
	> 8888	Non-Contract Items		-

# Associate Asset Category IDs to Project Items

1. Navigate to the Item Worksheet screen

	Pages  Funding: Assign to Items Item Alternate Summary Item Pricing Project Item Worksheet		Actions Help Log off
roject CategoryCTDOT a			
	E STABILIZATION ON ROUTE 45 AT LAKE WARAMAUG BROOK		Save 🔫 ?
Proposal:	E STABILIZATION ON ROUTE 43 AT LAKE WARWING BROOK		oure V
General	Project Number	Incidentals and Contingences	
Categories	0149-0068		
Category Alternate Sets	Project Description *	Highway Type	
em Alternate Sets	SLOPE STABILIZATION ON ROUTE 45 AT LAKE WARAMAUG BROOK		
tems	Spec Book (Item List 11 = Engl, 10 = Metric) * 11 Unit System * English  Federal Project Number 0045 (133) Project Work Type GENC - GENERAL CONSTRUCTION  Project Item Total	Historical Inc and Cont-LEAVE BLANK  Primary Project County LTFD - Litchfied  Primary Project District ID 4 - Thomaston Town 1  Town 2  Town 2  Town 3	
	State Project Number	Town 6	
	Created By	Controlling Project	

### 2. Double Click on the category to be modified

Home -		Pages  und Package Overview	Funding: Assign to items Item Alternate Summary Item Pricing Project				Actions Help Log of
roject Iter	n Worksheet						
		E STARILIZATION	ON ROUTE 45 AT LAKE WARAMAUG BROOK				Save 👻 ?
		E O MULLEM TOT					
roject Item To	tal						
Type searc	h criteria or press Ente	er 🥒 System Del	fault v Showing 65 of 65				
_							added 0 marked for deletion 0 chang
Cat ID 🕈 👻	Proj Line Num	🖍 Item 🕈 🗸	Descr	Units	P Quantity - Price -	ExtAmt	Special Prov Ind
7	0010	0107090	CTDOT BOUNDARY MARKER - (SURVEY MONUMENT)	ea.	3.000	e Catronia	** See Special Provisio
17	0020	0201001	CLEARING AND GRUBBING	LS	1.000		
7	0 30	0202000	EARTH EXCAVATION	c.y.	4,470.000	-	
7	0040	0202216	EXCAVATION AND REUSE OF EXISTING CHANNEL BOTTOM MATERIAL	с.у.	50.000		** See Special Provisio.
7	0050	0202217	SUPPLEMENTAL STREAMBED CHANNEL MATERIAL	est.	1.000	<u>م</u>	** See Special Provisio
	0060	0202529	CUT BITUMINOUS CONCRETE PAVEMENT	Lf.	150.000	<u>ب</u>	
7	0070	0204151	HANDLING WATER	LS	1.000	<u>م</u>	** See Special Provisio
7	0080	0210821	WATER POLLUTION CONTROL	est.	1.000	<u>م</u>	** See Special Provisio.
17	0090	0211000	ANTI-TRACKING PAD	s.y.	170.000	-	
7	0100	0219001	SEDIMENTATION CONTROL SYSTEM	Lf.	1,090.000	÷	
7	0110	0304002	PROCESSED AGGREGATE BASE	c.y.	430.000	-	
7	0120	0305000	PROCESSED AGGREGATE	ton	70.000	÷	
7	0130	0406171	HMA S0.5	ton	270.000	÷	
7	0140	0406236	MATERIAL FOR TACK COAT	gal	140.000	÷	
7	0150	0409001	FINE MILLING OF BITUMINOUS CONCRETE (0" TO 4")	s.y.	2,290.000	<b>e</b>	
7	0160	0703008	HEAVY RIPRAP	c.y.	960.000	-	** See Special Provisio
7	0170	0703014	ROUNDED RIPRAP	с. <i>у</i> .	240.000	-	** See Special Provisio
97	0180	0703030	PLACEMENT OF CHANNEL BOULDER	ea.	70.000	-	** See Special Provisio
7	0190	0716000	TEMPORARY EARTH RETAINING SYSTEM	s.f.	2,470.000	-	
7	0200	0755009	GEOTEXTILE	s.y.	490.000	•	** See Special Provisio
7	0210	0755010	GEOTEXTILE (SEPARATION - MEDIUM SURVIVABILITY)	s.y.	300.000	·	
7	0220	0755014	GEOTEXTILE (SEPARATION - HIGH SURVIVABILITY)	s.y.	1,040.000	*	
7	0230	0822100.01	TEMPORARY TRAFFIC BARRIER	Lf.	540.000	•	
	0240	0822101.01	RELOCATED TEMPORARY TRAFFIC BARRIER	Lf.	220.000	-	
7 7 7	0250	0910300	METAL BEAM RAIL (R-8 MASH) R-8 END ANCHORAGE-TYPE I	Lf. ea.	588.000		

3. Delete the existing category

Home 👻	Previous 💌 I	My Pages 💌					Actions Help Log of
erview C	Categories and Items	Fund Package Overview	Funding: Assign to Items Item Alternate Summary Item Pricing Project				
roject It	tem Worksheet						
		DE STARILIZATION	ON ROUTE 45 AT LAKE WARAMAUG BROOK				Save 👻 ?
		DE STADIEIZATION	ON ROUTE 43 AT EARL WARAWAUG BROOK				care V P
oject item	Total						
Type se	arch criteria or press E	nter 🥒 System De	fault - Showing 65 of 65				
1900 00	aren entena er prese E	ojotan be					
							0 added 0 marked for deletion 0 chang
97	0010	0107090	CTDOT BOUNDARY MARKER - (SURVEY MONUMENT)	ea.	3.000	÷	** See Special Provisio
97	0020	0201001	CLEARING AND GRUBBING	LS	1.000	-	
Cat ID * •	Proy Line Num	✓ Item * ▼ 0202000	EARTH EXCAVATION	Units	Quantity - 4,470.000	Price      Ext Amt	Special Prov Ind
0097		0202000	EXCAVATION EXCAVATION AND REUSE OF EXISTING CHANNEL BOTTOM MATERIAL	c.y.	4,470.000		** See Special Provisio
Highway	15	0202216	SUPPLEMENTAL STREAMBED CHANNEL MATERIAL	c.y. est.	1.000		** See Special Provisio
17	0050	0202529	SUPPLEMENTAL STREAMBED CHANNEL MATERIAL	esi.	150.000		See Special Provisio
17	0070	0204151	HANDLING WATER	LS	1.000		** See Special Provisio
17	0080	0210821	WATER POLLUTION CONTROL	est.	1.000	2	** See Special Provisio
17	0090	0211000	ANTI-TRACKING PAD	5.y.	170.000	-	and appendiction Provides
17	0100	0219001	SEDIMENTATION CONTROL SYSTEM	ь.у. Цf.	1,090.000	2	
17	0110	0304002	PROCESSED AGGREGATE BASE	C.Y.	430.000	-	
17	0120	0305000	PROCESSED AGGREGATE	ton	70.000	-	
07	0130	0406171	HMA S0 5	ton	270.000		
17	0140	0406236	MATERIAL FOR TACK COAT	gal	140.000	-	
17	0150	0409001	FINE MILLING OF BITUMINOUS CONCRETE (0" TO 4")	s.y.	2,290.000	-	
7	0160	0703008	HEAVY RIPRAP	c.y.	960.000	-	** See Special Provisio
7	0170	0703014	ROUNDED RIPRAP	c.y.	240.000	-	** See Special Provisio
r	0180	0703030	PLACEMENT OF CHANNEL BOULDER	ea.	70.000	-	** See Special Provisio.
7	0190	0716000	TEMPORARY EARTH RETAINING SYSTEM	s.f.	2,470.000	-	
7	0200	0755009	GEOTEXTILE	s.y.	490.000		** See Special Provisio.
7	0210	0755010	GEOTEXTILE (SEPARATION - MEDIUM SURVIVABILITY)	8.y.	300.000	<u>م</u>	
	0220	0755014	GEOTEXTILE (SEPARATION - HIGH SURVIVABILITY)	6.y.	1,040.000	÷	
7	0230	0822100.01	TEMPORARY TRAFFIC BARRIER	Lf.	540.000	÷	
7	0240	0822101.01	RELOCATED TEMPORARY TRAFFIC BARRIER	Lf.	220.000	÷	
7	0250	0910300	METAL BEAM RAIL (R-B MASH)	Lf.	588.000	÷	
7	0260	0911923	R-B END ANCHORAGE-TYPE I	ea.	3.000	÷	
		0912499	REMOVE CABLE GUIDE RAIL	Lf.	191.000		

### 4. Select Enter and choose the proper category for the item

Home 💌	Previous 🔹 N	ly Pages 🔹						Actions Help Log
verview C	Categories and Items	Fund Package Overview	Funding: Assign to Items Item Alternate Summary Item Pricing Project					
roject It	em Worksheet		There are unsaved changes.			×		
✓ Projec	:t: 0149-0088 - SLO	PE STABILIZATION	ON ROUTE 45 AT LAKE WARAMAUG BROOK					Save 🤝 🗸
oject Item	Total							
Type sea	arch criteria or press En	ter 🥒 System De	efault   Showing 65 of 65					
							0	added 0 marked for deletion 1 cha
97	0010	0107090	CTDOT BOUNDARY MARKER - (SURVEY MONUMENT)	ea.	3.000			** See Special Provisio
97	0020	0201001	CLEARING AND GRUBBING	LS	1.000		-	
GREED *	TTOY CITY MUTT	2 IQ.III - 1	Descr	Units	🖋 Quantity 🕶	/ Price -	Ext Amt	🖋 Special Prov Ind 👻
Begin t	yping to search or pr	0202000	EARTH EXCAVATION	с.у.	4,470.000		-	
0096	1	affic Safety	EXCAVATION AND REUSE OF EXISTING CHANNEL BOTTOM MATERIAL	c.y.	50.000		÷	** See Special Provisio
7			SUPPLEMENTAL STREAMBED CHANNEL MATERIAL	est.	1.000		-	** See Special Provision
0097 Showing		ghways	CUT BITUMINOUS CONCRETE PAVEMENT	Lf.	150.000		<b>-</b>	
7 Showing	9 2 01 2 0070	0204151	HANDLING WATER	LS	1.000		<b>-</b>	** See Special Provision
97	0080	0210821	WATER POLLUTION CONTROL	est.	1.000		₽	** See Special Provision
97	0090	0211000	ANTI-TRACKING PAD	s.y.	170.000		÷	
97	0100	0219001	SEDIMENTATION CONTROL SYSTEM	Lf.	1,090.000		<b>•</b>	
97	0110	0304002	PROCESSED AGGREGATE BASE	с.у.	430.000		÷	
97	0120	0305000	PROCESSED AGGREGATE	ton	70.000		÷	
7	0130	0406171	HMA S0.5	ton	270.000		₽	
97	0140	0406236	MATERIAL FOR TACK COAT	gal	140.000		<b>₽</b>	
97	0150	0409001	FINE MILLING OF BITUMINOUS CONCRETE (0" TO 4")	s.y.	2,290.000		÷	
97	0160	0703008	HEAVY RIPRAP	c.y.	960.000		₽	** See Special Provisio
97	0170	0703014	ROUNDED RIPRAP	c.y.	240.000		÷	** See Special Provisio
7	0180	0703030	PLACEMENT OF CHANNEL BOULDER	ea.	70.000		÷	** See Special Provision
97	0190	0716000	TEMPORARY EARTH RETAINING SYSTEM	s.f.	2,470.000		- C	
17	0200	0755009	GEOTEXTILE	s.y.	490.000		<b>.</b>	** See Special Provisio
17	0210	0755010	GEOTEXTILE (SEPARATION - MEDIUM SURVIVABILITY)	s.y.	300.000		÷	
7	0220	0755014	GEOTEXTILE (SEPARATION - HIGH SURVIVABILITY)	8.y.	1,040.000		÷	
17	0230	0822100.01	TEMPORARY TRAFFIC BARRIER	Lf.	540.000		÷	
7	0240	0822101.01	RELOCATED TEMPORARY TRAFFIC BARRIER	Lf.	220.000		÷	
97	0250	0910300	METAL BEAM RAIL (R-8 MASH)	Lf.	588.000		÷	
97	0260	0911923	R-B END ANCHORAGE-TYPE I	ea.	3.000		÷	

- 5. Complete this task for all the items on the project.
- 6. Multiple items can be assign to a category using the range fill option.

Home 👻	Previous 🔹 My	/ Pages 💌					Actions Help Log off
erview Cate	gories and Items F	und Package Overview	Funding: Assign to Items Item Alternate Summary Item Pricing Project				
roject Iten	n Worksheet		There are unsaved changes.			×	
✓ Project: 0	)149-0088 - SLOF	PE STABILIZATION	ON ROUTE 45 AT LAKE WARAMAUG BROOK				Save 🔻 ?
roject Item Tot	al						
	n criteria or press Ente	a 🖉 Quelan De	fault  Showing 65 of 65				
( Type search	rentena or press Ente	System De	aduit · Showing 65 of 65				
							0 added 0 marked for deletion 1 chang
097	0010	0107090	CTDOT BOUNDARY MARKER - (SURVEY MONUMENT)	ea.	3.000	<u>م</u>	** See Special Provisio
197	0020	0201001	CLEARING AND GRUBBING	LS	1.000	<u>م</u>	
Cat ID 👻	Proj Line Num	✓ Item • •	Descr	Units		Price  Ext Amt	Special Prov Ind -
Sort & Rang	ge Fill	~	EARTH EXCAVATION	c.y.	4,470.000	÷	
Ascending	0 Rows		EXCAVATION AND REUSE OF EXISTING CHANNEL BOTTOM MATERIAL	c.y.	50.000	÷	** See Special Provisio
rescensing		own Cop	SUPPLEMENTAL STREAMBED CHANNEL MATERIAL	est.	1.000	÷	** See Special Provisio
Descending	or		CUT BITUMINOUS CONCRETE PAVEMENT	Lf.	150.000	÷	
	All 65 Displayed F		HANDLING WATER	LS	1.000	e	** See Special Provisio
	All 65 Rows	10W8	WATER POLLUTION CONTROL	est.	1.000	÷	** See Special Provisio
			ANTI-TRACKING PAD	s.y.	170.000	e	
	Fill		SEDIMENTATION CONTROL SYSTEM	Lf.	1,090.000	e -	
			PROCESSED AGGREGATE BASE	c.y.	430.000	e	
97	0120	0305000	PROCESSED AGGREGATE	ton	70.000	e	
97	0130	0406171	HMA S0.5	ton	270.000	÷	
97	0140	0406236	MATERIAL FOR TACK COAT	gal	140.000	÷	
97	0150	0409001	FINE MILLING OF BITUMINOUS CONCRETE (0" TO 4")	9. y.	2,290.000	÷	
97	0160	0703008	HEAVY RIPRAP	c.y.	960.000	<u>م</u>	** See Special Provisio
97	0170	0703014	ROUNDED RIPRAP	c.y.	240.000	<u>م</u>	** See Special Provisio
97	0180	0703030	PLACEMENT OF CHANNEL BOULDER	ea.	70.000	<u>م</u>	** See Special Provisio
97	0190	0716000	TEMPORARY EARTH RETAINING SYSTEM	s.f.	2,470.000	<u>م</u>	
97	0200	0755009	GEOTEXTILE	s.y.	490.000	<u>م</u>	** See Special Provisio
97	0210	0755010	GEOTEXTILE (SEPARATION - MEDIUM SURVIVABILITY)	s.y.	300.000	<u>م</u>	
97	0220	0755014	GEOTEXTILE (SEPARATION - HIGH SURVIVABILITY)	8.y.	1,040.000	÷	
97	0230	0822100.01	TEMPORARY TRAFFIC BARRIER	Lf.	540.000	-	
17	0240	0822101.01	RELOCATED TEMPORARY TRAFFIC BARRIER	Lf.	220.000	÷	
17	0250	0910300	METAL BEAM RAIL (R-B MASH)	Lf.	588.000	÷	
97	0260	0911923	R-B END ANCHORAGE-TYPE I	ea.	3.000	<u>ب</u>	
191							

# Update Project Fund Packages

- 1. Navigate to the General Tab on the Project Summary Screen (1)
- 2. Select "Fund Package Overview" along the main navigation header (2)

Home	3	Actions Help Log off
Overview Categories and Items Cost Estimat		Vage Decisions
Project Summary	2	
✓ Project: 0056-0321 - Drainage Replace	=	Save 🔻 ?
Proposal:		
General Counties Districts	Project Number 0056-0321 Project Description •	Incidentals and Contingences Historical Inc and Cont-LEAVE BLANK
Points Road Segments	Drainage Replacment on U.S. Route 1 Q	Primary Project County
Bridge Begments Workflow	Spec Book (Item List 11 = Engl. 10 = Metric) • 11 Unit System • English • Federal Project Number Project Work Type Project Work Type	Primary Project District ID Primary Project District ID 3 - New Haven Town 1 0056 - GREENWICH • Town 2
	Project Item Total 658,654.57 State Project Number	Town 3 Town 4
	Project Engineer	Town 5
	Id 2301 Created By	

3. Click on "Select Fund Packages" button (1)

Home   Pitsvious  My Pages	Actions	() Help	
Overview Categories and Items Funding Assign to Items Item Alternate Summary Item Pricing Project. Item Worksheet			
Fund Package Overview			
✓ Project. 0046-0127 - Bindge No. 01524		Save	- 😮
Proposal			
Q     Type search criteria or press Enter     Image: Criteria or press Ente	0 marked for	deletion	0 changed

- 4. Type Fund Package ID into search bar or press enter for all fund packages (1)
- 5. Select individual fund packages for assignment to the project (2)
- 6. Select "Add Fund Package" (3)

Home 👻	Select Reference Fund Pac		C U Log off
Overview C Fund Part	Q Type search criteria or press		- 0
Proposal:	Select: All None Fund Package ID	2 selecte	
Q Type se	✓ 100STATE 50-50	100% State 50% Town50% State	0 changed
New Se	✓ 80-20 90-10	80% Federal/20% State 90% Federal/10% State	o changed
		2 3 Add Fund Package	

7. Select "Funding Assign to Items" (1)

Home			Actions Help Log of
overview Categories and Items Funding: A	ssign to Items Item Alternate Summary Item Pricing Project Item Worksheet		
Fund Package Overview	Save Complete	×	
✓ Project: 0046-0127 - Bridge No. 01	1524		Save 🔻 ?
Proposal:			
Q Type search criteria or press Enter	Advanced Showing 2 of 2		
New Select Fund Packages	Advanced Streeting 2 of 2 Description • •	Project Level 👻	0 added 0 marked for deletion 0 chang Default Contract Adjust Funds
New Select Fund Packages		Project Level *	
New Select Fund Packages	Description • 🕶		Default Contract Adjust Funds
New Select Fund Packages	Description • 🐨		Default Contract Adjust Funds

8. Assign funds be selecting all project items, asset categories or individual items (1).

### 9. Click "Save" (2)

Home • Previous • My Pages •				Actions Help Log off
verview Categories and Items Fund Package Overview Item Alternate Summary Item Pricing Project Item Worksheet				
Project Funding Assignment				2
✓ Project: 0046-0127 - Bridge No. 01524				Save 7 ?
Proposal:		4		
All Project Items	Mixed None AO BO	U		0 changed Expand
<ul> <li>01-01524 - Route 191 over the Scantic River in East Windsor</li> <li>0010 0020903 LS LEAD COMPLIANCE FOR MISCELLANEOUS EXTERIOR TASKS</li> </ul>	Mixed None A B	> Fund Package	Description	Funds
<ul> <li>✓ 99-General - General</li> </ul>	Mixed None AO B	(A) 100STATE	100% State	0
0020 0201001 LS CLEARING AND GRUBBING		> (B) 80-20	80% Federal/20% State	2
0030 0202000 c.y. EARTH EXCAVATION 0040 0202452 ea. TEST PIT	0 0 0 0			

# Clear Project Prices before Cost Estimate Creation

1. Select "Item Worksheet" from the Project Summary page (1)

	Cost Estimate Fund Package Overview Funding: Assign to Items Item Alternate Summary Item Pricing	Item Worksheet Wage Decisions	
roject Summary			
<ul> <li>Project: 0149-0088 - SLO</li> </ul>	PE STABILIZATION ON ROUTE 45 AT LAKE WARAMAUG BROOK		Save 🔻 🦓
Proposal:			
General	Project Number	Incidentals and Contingences	
Counties	0149-0088		
Districts	Project Description *	Highway Type	
Points	SLOPE STABILIZATION ON ROUTE 45 AT LAKE WARAMAUG BROOK	۹. ۲	
oad Segments		Historical Inc and Cont-LEAVE BLANK	
ridge Segments	Spec Book (Item List 11 = Engl, 10 = Metric) *		
Vorkflow	11	Primary Project County	
	Unit System •	LTFD - Litchfield	
	English	Primary Project District ID	
	Federal Project Number	4 - Thomaston	
	0045 (133)	Town 1	
	Project Work Type	· ·	
	GENC - GENERAL CONSTRUCTION 💌		
	Project item Total	Town 2	
	1,100,540.81		
	State Project Number	Town 3	
		•	
	Project Engineer	Town 4	
	•	•	
	Designed By	Town 5	
	•	•	
	ld	Town 6	
	2332	* ·	

2. Select the price in the first row.

Home 👻	Previous 💌 M	y Pages 💌					-	<b>ර්</b> .og off
verview Cat	egories and Items	Fund Package Overview	Funding: Assign to Items Item Alternate Summary Item Pricing Project					
roject Iter	m Worksheet							
✓ Project:	0149-0088 - SLOI	PE STABILIZATION	ON ROUTE 45 AT LAKE WARAMAUG BROOK				Save 👻	0
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A Type searc	ch criteria or press Ent	er 🥒 System De	fault - Showing 65 of 65					
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🕈 Cat ID 🕈 👻	Proj Line Num	🖋 Item 🍍 👻	Descr	Units	/ Quantity - / Price -	Ext Amt	Special Prov Ind	
01	0010	0107090	CTDOT BOUNDARY MARKER - (SURVEY MONUMENT)	еа.	3.00	938,73445	2,816.20 ** See Special Provi	isio
01	0020	0201001	CLEARING AND GRUBBING	LS	1.00		43,080.00	
01	0030	0202000	EARTH EXCAVATION	C.y.	4,470.000	21.60981 🗬	96,595.85	
01	0040	0202216	EXCAVATION AND REUSE OF EXISTING CHANNEL BOTTOM MATERIAL	C.y.	50.000	97.34232 🗬	4,867.12 ** See Special Provi	isio
01	0050	0202217	SUPPLEMENTAL STREAMBED CHANNEL MATERIAL	est.	1.000	1,000.00000 🛋	1,000.00 ** See Special Provi	isio
01	0060	0202529	CUT BITUMINOUS CONCRETE PAVEMENT	Lf.	150.000	5.98140 🗬	897.21	
01	0070	0204151	HANDLING WATER	LS	1.000	120,000.00000	120,000.00 ** See Special Provi	isio
01	0080	0210821	WATER POLLUTION CONTROL	est.	1.000	10,000.00000 🛋	10,000.00 ** See Special Provi	isio
01	0090	0211000	ANTI-TRACKING PAD	s.y.	170.000	27.89940 🖬	4,742.90	
01	0100	0219001	SEDIMENTATION CONTROL SYSTEM	Lf.	1,090.000	6.31126 🗬	6,879.27	
01	0110	0304002	PROCESSED AGGREGATE BASE	с.у.	430.000	56.75624 🗬	24,405.18	
01	0120	0305000	PROCESSED AGGREGATE	ton	70.000	66.56674 🗬	4,659.67	
01	0130	0406171	HMA \$0.5	ton	270.000	174.10185 🗬	47,007.50	
01	0140	0406236	MATERIAL FOR TACK COAT	gal	140.000	15.57910 🗬	2,181.07	
01	0150	0409001	FINE MILLING OF BITUMINOUS CONCRETE (0" TO 4")	s.y.	2,290.000	10.80165 🗬	24,735.78	
01	0160	0703008	HEAVY RIPRAP	с.у.	960.000	128.00000 🛋	122,880.00 ** See Special Provi	isio
01	0170	0703014	ROUNDED RIPRAP	с.у.	240.000	125.89000	30,213.60 ** See Special Provi	sio
01	0180	0703030	PLACEMENT OF CHANNEL BOULDER	ea.	70.000	372.20516 🗬	26,054.36 ** See Special Provi	isio.
01	0190	0716000	TEMPORARY EARTH RETAINING SYSTEM	s.f.	2,470.000	26.61781 🗬	65,745.99	
01	0200	0755009	GEOTEXTILE	s.y.	490.000	35.00000 🗬	17,150.00 ** See Special Provi	isio
01	0210	0755010	GEOTEXTILE (SEPARATION - MEDIUM SURVIVABILITY)	8.y.	300.000	4.45497 🛋	1,336.49	
01	0220	0755014	GEOTEXTILE (SEPARATION - HIGH SURVIVABILITY)	6. y.	1,040.000	2.93263 🗬	3,049.94	
01	0230	0822100.01	TEMPORARY TRAFFIC BARRIER	Lf.	540.000	43.24000	23,349.60	
01	0240	0822101.01	RELOCATED TEMPORARY TRAFFIC BARRIER	Lf.	220.000	6.57612 🗬	1,446.75	
01	0250	0910300	METAL BEAM RAIL (R-B MASH)	Lf.	588.000	27.79712 🗬	16,344.71	
01	0260	0911923	R-8 END ANCHORAGE-TYPE I	ea.	3.000	1,379.36471 🗬	4,138.09	
01	0270	0912499	REMOVE CABLE GUIDE RAIL	Lf.	191.000	5.91851	1.130.44	

- 3. Delete the selected price (1)
- 4. Select Save (2)

Home 💌	Previous 💌 My F	rages 💌					Actions Help Log o
erview Cat	egories and Items Fur	nd Package Overview F	Funding: Assign to Items Item Alternate Summary Item Pricing Project				
roiect Iter	n Worksheet		There are unsaved changes.			×	
		STADILIZATION ON	I ROUTE 45 AT LAKE WARAMAUG BROOK				
♥ Ploject.	0149-0066 - SLOPE	STABILIZATION ON	ROUTE 45 AT LAKE WARAWAUG BROOK				Z Save 🗸
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🕈 Cat ID 🕈 👻	Proj Line Num	🖋 Item 📍 👻	Descr	Units	🖋 Quantity 🕶 💋	Price -	Ext Amt Special Prov Ind 🗸
01	0010	0107090	CTDOT BOUNDARY MARKER - (SURVEY MONUMENT)	ea.	3.00		** See Special Provisio
01	0020	0201001	CLEARING AND GRUBBING	LS	- 1. <b>0</b> 0	· · · · · · · · · · · · · · · · · · ·	43,080.00
01	0030	0202000	EARTH EXCAVATION	с.у.	4,470.000	21.60981 🗬	96,595.85
01	0040	0202216	EXCAVATION AND REUSE OF EXISTING CHANNEL BOTTOM MATERIAL	c.y.	50.000	97.34232 🖬	4,867.12 ** See Special Provisio
01	0050	0202217	SUPPLEMENTAL STREAMBED CHANNEL MATERIAL	est.	1.000	1,000.00000 🖬	1,000.00 ** See Special Provisio
01	0060	0202529	CUT BITUMINOUS CONCRETE PAVEMENT	Lf.	150.000	5.98140 🖬	897.21
01	0070	0204151	HANDLING WATER	LS	1.000	120,000.00000 🗬	120,000.00 ** See Special Provisio
01	0080	0210821	WATER POLLUTION CONTROL	est.	1.000	10,000.00000 🛥	10,000.00 ** See Special Provisio
01	0090	0211000	ANTI-TRACKING PAD	s.y.	170.000	27.89940 🖬	4,742.90
01	0100	0219001	SEDIMENTATION CONTROL SYSTEM	Lf.	1,090.000	6.31126 🖬	6,879.27
001	0110	0304002	PROCESSED AGGREGATE BASE	с.у.	430.000	56.75624 🖬	24,405.18
01	0120	0305000	PROCESSED AGGREGATE	ton	70.000	66.56674 🗬	4,659.67
01	0130	0406171	HMA S0.5	ton	270.000	174.10185 🖬	47,007.50
01	0140	0406236	MATERIAL FOR TACK COAT	gal	140.000	15.57910 🛋	2,181.07
01	0150	0409001	FINE MILLING OF BITUMINOUS CONCRETE (0° TO 4°)	s.y.	2,290.000	10.80165 🛋	24,735.78
01	0160	0703008	HEAVY RIPRAP	с.у.	960.000	128.00000 🖬	122,880.00 ** See Special Provisio
01	0170	0703014	ROUNDED RIPRAP	c.y.	240.000	125.89000 🖬	30,213.60 ** See Special Provisio
01	0180	0703030	PLACEMENT OF CHANNEL BOULDER	ea.	70.000	372.20516 🖬	26,054.36 ** See Special Provisio
01	0190	0716000	TEMPORARY EARTH RETAINING SYSTEM	s.f.	2,470.000	26.61781 💣	65,745.99
01	0200	0755009	GEOTEXTILE	s.y.	490.000	35.00000 💣	17,150.00 ** See Special Provisio
01	0210	0755010	GEOTEXTILE (SEPARATION - MEDIUM SURVIVABILITY)	s.y.	300.000	4.45497 🖬	1,336.49
01	0220	0755014	GEOTEXTILE (SEPARATION - HIGH SURVIVABILITY)	8. y.	1,040.000	2.93263 🖬	3,049.94
01	0230	0822100.01	TEMPORARY TRAFFIC BARRIER	LT.	540.000	43.24000 💣	23,349.60
01	0240	0822101.01	RELOCATED TEMPORARY TRAFFIC BARRIER	Lf.	220.000	6.57612 🖬	1,446.75
01	0250	0910300	METAL BEAM RAIL (R-B MASH)	Lf.	588.000	27.79712 🖬	16,344.71
01	0260	0911923	R-B END ANCHORAGE-TYPE I	ea.	3.000	1,379.36471 🛋	4,138.09
	0270	0912499	REMOVE CABLE GUIDE RAIL	Lf.	191.000	5.91851 🛋	1.130.44

- 5. Begin Range Fill operation
- 6. Select the action arrow to the right of "Price" (1)

- 7. Check the box for all rows (2)
- 8. Select "Fill" (3)

Home 👻	Previous • My	Pages 💌					Actions Help Log
verview Cate	egories and Items F	und Package Overviev	w Funding: Assign to Items Item Alternate Summary Item Pricing Project				
Project Iten	n Worksheet						
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Cat ID 🕈 👻	Proj Line Num	🖋 Item 🍍 👻	Descr	Units	/ Quantity 🕶 / P	Ext Amt	
01	0010	0107090	CTDOT BOUNDARY MARKER - (SURVEY MONUMENT)	ea.	3.000 S	ort & Range Fill X	** See Special Provision
01	0020	0201001	CLEARING AND GRUBBING	LS	1.000	Assessed and a constant	43,080.00
01	0030	0202000	EARTH EXCAMATION	C. y.	4,470.000	Ascending   Rows ODown OUp	96,595.85
01	0040	0202216	EXCAVATION AND REUSE OF EXISTING CHANNEL BOTTOM MATERIAL	c. y.	50.000	Descending	4,867.12 ** See Special Provisio
01	0050	0202217	SUPPLEMENTAL STREAMBED CHANNEL MATERIAL	est.	1.000	All 65 Displayed Rows	1,000.00 ** See Special Provisio
01	0060	0202529	CUT BITUMINOUS CONCRETE PAVEMENT	Lf.	150.000		897.21
01	0070	0204151	HANDLING WATER	LS	1.000	All 65 Rous	120,000.00 ** See Special Provisio
01	0800	0210821	WATER POLLUTION CONTROL	est.	1.000	Fill	10,000.00 ** See Special Provisio
01	0090	0211000	ANTI-TRACKING PAD	s.y.	170.000		4,742.90
01	0100	0219001	SEDIMENTATION CONTROL SYSTEM	Lf.	1,090.000	6.31126 🖝	6,879.27
01	0110	0304002	PROCESSED AGGREGATE BASE	с.у.	430.000	56.75624 🗬	24,405.18
01	0120	0305000	PROCESSED AGGREGATE	ton	70.000	66.56674 <b></b>	4,659.67
01	0130	0406171	HMA \$0.5	ton	270.000	174.10185 🛋	47,007.50
01	0140	0406236	MATERIAL FOR TACK COAT	gal	140.000	15.57910 🛋	2,181.07
01	0150	0409001	FINE MILLING OF BITUMINOUS CONCRETE (0" TO 4")	s.y.	2,290.000	10.80165 🛋	24,735.78
01	0160	0703008	HEAVY RIPRAP	с.у.	960.000	128.00000 🛥	122,880.00 ** See Special Provisio
01	0170	0703014	ROUNDED RIPRAP	c. y.	240.000	125.89000 🖬	30,213.60 ** See Special Provisio
01	0180	0703030	PLACEMENT OF CHANNEL BOULDER	ea.	70.000	372.20516 🗬	26,054.36 ** See Special Provisio
01	0190	0716000	TEMPORARY EARTH RETAINING SYSTEM	s.f.	2,470.000	26.61781	65,745.99
01	0200	0755009	GEOTEXTILE	s.y.	490.000	35.00000 🖝	17,150.00 ** See Special Provisio
01	0210	0755010	GEOTEXTILE (SEPARATION - MEDIUM SURVIVABILITY)	8.y.	300.000	4.45497	1,336.49
01	0220	0755014	GEOTEXTILE (SEPARATION - HIGH SURVIVABILITY)	8.y.	1,040.000	2.93263	3,049.94
01	0230	0822100.01	TEMPORARY TRAFFIC BARRIER	Lf.	540.000	43.24000	23,349.60
01	0240	0822101.01	RELOCATED TEMPORARY TRAFFIC BARRIER	Lf.	220.000	6.57612	1,446.75
		0910300	METAL BEAM RAIL (R-B MASH)	Lf.	588.000	27.79712	16,344.71
101	0260	0911923	R-8 END ANCHORAGE-TYPE I	ea.	3.000	1,379.36471 🗬	4,138.09

### 9. Click Save

Home 👻	Previous 🔹 M	y Pages 💌					Actions Help Log
verview Cate	egories and Items	Fund Package Overview	Funding: Assign to Items Item Alternate Summary Item Pricing Project				
Project Iter	m Worksheet		There are unsaved changes.		×		
✓ Project:	0149-0088 - SLOF	PE STABILIZATION	ON ROUTE 45 AT LAKE WARAMAUG BROOK				Save 😽
roject item To	tal						
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P Cat ID 🕈 👻	Proj Line Num	🖋 Item 📍 🗸	Descr	Units		0 : Ext Amt	idded 0 marked for deletion 64 char Special Prov Ind
01	0010	0107090	CTDOT BOUNDARY MARKER - (SURVEY MONUMENT)	ea.	3.000	<b>e</b>	** See Special Provisio.
01	0020	0201001	CLEARING AND GRUBBING	LS	1.000	÷	
1	0030	0202000	EARTH EXCAVATION	c.y.	4,470.000	£	
1	0040	0202216	EXCAVATION AND REUSE OF EXISTING CHANNEL BOTTOM MATERIAL	c. y.	50.000	÷	** See Special Provisio
1	0050	0202217	SUPPLEMENTAL STREAMBED CHANNEL MATERIAL	est.	1.000	e	** See Special Provisio
1	0060	0202529	CUT BITUMINOUS CONCRETE PAVEMENT	Lf.	150.000	e	
1	0070	0204151	HANDLING WATER	LS	1.000	<b>₽</b>	** See Special Provisio
1	0080	0210821	WATER POLLUTION CONTROL	est.	1.000	<u>م</u>	** See Special Provisio
1	0090	0211000	ANTI-TRACKING PAD	s.y.	170.000	÷	
01	0100	0219001	SEDIMENTATION CONTROL SYSTEM	Lf.	1,090.000	e	
01	0110	0304002	PROCESSED AGGREGATE BASE	c.y.	430.000	e	
01	0120	0305000	PROCESSED AGGREGATE	ton	70.000	÷	
01	0130	0406171	HMA S0.5	ton	270.000	÷	
01	0140	0406236	MATERIAL FOR TACK COAT	gal	140.000	÷	
01	0150	0409001	FINE MILLING OF BITUMINOUS CONCRETE (0" TO 4")	9. y.	2,290.000	÷	
01	0160	0703008	HEAVY RIPRAP	C.y.	960.000	÷	** See Special Provisio
01	0170	0703014	ROUNDED RIPRAP	c.y.	240.000	£	** See Special Provisio
01	0180	0703030	PLACEMENT OF CHANNEL BOULDER	ea.	70.000	<u>م</u>	** See Special Provisio
01	0190	0716000	TEMPORARY EARTH RETAINING SYSTEM	s.f.	2,470.000	-	
01	0200	0755009	GEOTEXTILE	s.y.	490.000	<u>م</u>	** See Special Provisio
01	0210	0755010	GEOTEXTILE (SEPARATION - MEDIUM SURVIVABILITY)	8.y.	300.000	<u>م</u>	
01	0220	0755014	GEOTEXTILE (SEPARATION - HIGH SURVIVABILITY)	8.y.	1,040.000	÷	
01	0230	0822100.01	TEMPORARY TRAFFIC BARRIER	LK.	540.000	÷	
01	0240	0822101.01	RELOCATED TEMPORARY TRAFFIC BARRIER	Lf.	220.000	<u>م</u>	
01	0250	0910300	METAL BEAM RAIL (R-B MASH)	Lf.	588.000	-	
	0260	0911923	R-B END ANCHORAGE-TYPE I	ea.	3.000	<b></b>	
001	*2.**						

10. Navigate back to the Project Summary page

Home -		y Pages	Funding: Assign to Items Item Alternate Summary Item Pricing Project				Actions Help Log o
Project Iter	m Worksheet						
✓ Project:	0149-0088 - SLOI	PE STABILIZATION	ON ROUTE 45 AT LAKE WARAMAUG BROOK				Save 👻 🖓
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P Cat ID 🔻 🗸	Proj Line Num	🖋 Item 🍍 👻	Descr	Units	Price -	Ext Amt	🖋 Special Prov Ind 💌
01	0010	0107090	CTDOT BOUNDARY MARKER - (SURVEY MONUMENT)	63.	3.000	÷	** See Special Provisio
01	0020	0201001	CLEARING AND GRUBBING	LS	1.000	÷	
1	0030	0202000	EARTH EXCAVATION	с. у.	4,470.000	<b>-</b>	
1	0040	0202216	EXCAVATION AND REUSE OF EXISTING CHANNEL BOTTOM MATERIAL	с. у.	50.000	÷	** See Special Provisio.
1	0050	0202217	SUPPLEMENTAL STREAMBED CHANNEL MATERIAL	est.	1.000	÷	** See Special Provisio.
1	0060	0202529	CUT BITUMINOUS CONCRETE PAVEMENT	Lf.	150.000	÷	
01	0070	0204151	HANDLING WATER	LS	1.000	÷	** See Special Provisio.
)1	0080	0210821	WATER POLLUTION CONTROL	est.	1.000	e	** See Special Provisio.
01	0090	0211000	ANTI-TRACKING PAD	s.y.	170.000	÷	
01	0100	0219001	SEDIMENTATION CONTROL SYSTEM	Lf.	1,090.000	÷	
)1	0110	0304002	PROCESSED AGGREGATE BASE	c.y.	430.000	÷	
01	0120	0305000	PROCESSED AGGREGATE	ton	70.000	<i>₽</i>	
1	0130	0406171	HMA S0.5	ton	270.000	÷	
01	0140	0406236	MATERIAL FOR TACK COAT	gal	140.000	<b>a</b>	
01	0150	0409001	FINE MILLING OF BITUMINOUS CONCRETE (0° TO 4°)	9. y.	2,290.000	-	
01	0160	0703008	HEAVY RIPRAP	c. y.	960.000	÷	** See Special Provisio
01	0170	0703014	ROUNDED RIPRAP	c. y.	240.000	<b>₽</b>	** See Special Provisio.
01	0180	0703030	PLACEMENT OF CHANNEL BOULDER	ea.	70.000	÷	** See Special Provisio.
01	0190	0716000	TEMPORARY EARTH RETAINING SYSTEM	s.f.	2,470.000	-	
1	0200	0755009	GEOTEXTILE	s.y.	490.000	÷	** See Special Provisio
1	0210	0755010	GEOTEXTILE (SEPARATION - MEDIUM SURVIVABILITY)	s.y.	300.000	-	
1	0220	0755014	GEOTEXTILE (SEPARATION - HIGH SURVIVABILITY)	8.y.	1,040.000	<b>-</b>	
1	0230	0822100.01	TEMPORARY TRAFFIC BARRIER	LK.	540.000	÷	
01	0240	0822101.01	RELOCATED TEMPORARY TRAFFIC BARRIER	Lf.	220.000	-	
01	0250	0910300	METAL BEAM RAIL (R-B MASH)	Lf.	588.000	-	
01	0260	0911923	R-B END ANCHORAGE-TYPE I	ea.	3.000	<b>e</b>	
	0270	0912499	REMOVE CABLE GUIDE RAIL	Lf.	191.000	-	

# Create Project Cost Estimate

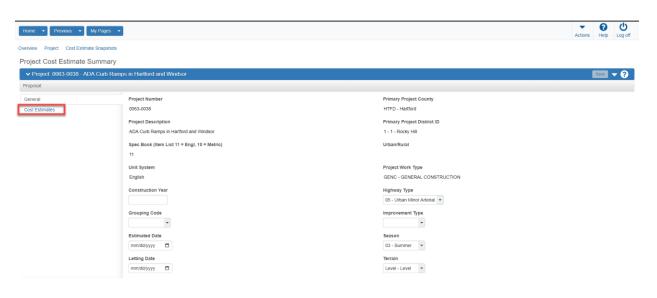
1. Select "Cost Estimate"

Home	My Pages 🔹		Actions Help Log off
verview Categories and Items	Cost Estimate Fund Package Overview Funding: Assign to Items Item Alternate Summary Item Pri	icing Item Worksheet	
Project Summary			
✓ Project: TEST20221005	5 - Asset Info		Save 🔻 ?
Proposal:			
General	Project Number	Incidentals and Contingences	
Counties	TEST20221005		
Districts	Project Description •	Historical Inc and Cont-LEAVE BLANK	
Points	Asset Info	Q.	
Road Segments	Spec Book (Item List 11 = Engl, 10 = Metric) *	Primary Project County	
Bridge Segments	11	LTFD - Litchfield	
Workflow	Unit System •	Primary Project District ID	
	English •	5 - Statewide (Brewery Stree, New Haven)	
	Federal Project Number	Town 1	
	rederal Project Number	•	
	Project Work Type	Town 2	
	STRC - STRUCTURAL CONCRETE V	•	
	Project Item Total	Town 3	
	r regener refitt fortall	•	
	State Project Number	Town 4	
		•	
	Project Engineer	Town 6	
	*	•	
	Designed By	Town 6	
	-	•	

- 2. Enter all necessary cost estimate information
  - a. Construction Year (1)
  - b. Estimated Date (2)
  - c. Letting Date (3)
  - d. Highway Type (4)
  - e. Season (5)
  - f. Terrain (6)
- 3. Click "Save" (7)

Home   Previous   My Pages	1			Actions	() Help	U Log off
Overview Project Cost Estimate Snapshots						
Project Cost Estimate Summary						
✓ Project: 0046-0127 - Bridge No. 015	24		7		Save	- ?
Proposal:			5		_	
General Cost Estimates	Project Number 0046-0127		Primary Project County HTFD - Hartford			
	Project Description Bridge No. 01524 Spec Book (Item List 11 = Engl, 10 = Metric) 11		Primary Project District ID 2 - Nonsich Urban/Rural			
1 2 3	Unit System English Construction Year Estimated Date	4 5 6	Project Work Type			

4. Select "Cost Estimates"



5. Select "Add" (2)

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Overview Project Cost Estimate Snapshots										
Project Cost Estimate Summary										
✓ Project: 0063-0038 - ADA Curb Ram	ps in Hartford and Windsor								Save	- 🕜
Proposal:										
General	Q Type search criteria or press Enter	Advanced Showing 1 of 1	Show All							
Cost Estimates	Add		U					0 marked for dele	tion 0 cl	hanged
	Cost Estimate Name	Estimate Type		Cost Estimate Total		Active	Control Cost Est 🔻			-
	0063-0038	PROG - Progress			4,845.96	Yes				

- 6. Enter Cost Estimate name. The mane should match the project name. (1)
- 7. Enter the cost estimate description (2)
- 8. Select cost estimate phase (3)
- 9. Search and enter the name of person who created the cost estimate (4)
- 10. Select the estimate type. (5)
- 11. Click save (6)

Add Cost Estimate	
✓ Project: 0063-0038 - ADA Curb Ramps in Hartford and Windsor	6 🖬 🗸 🖓
✓ Parent Attributes	
Entity	Unit System
0063-0038	English
Entity Description	
ADA Curb Ramps in Hartford and Windsor	
Spec Book (Item List 11 = Engl, 10 = Metric)	Improvement Type
11	
Estimate Information	
Cost Estimate Name *	Design Build
Cost Estimate Descr 2	Profile
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	Budget Class
Estimate Phase	
	Lanemiles
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	Q Begin typing to search or press Enter
✓ Additional Information	
✓ Bid Based	✓ Cost Based
	Labor Rate Class
	Equipment Rate Class
	Equipment rate class
	Material Rate Class

### Calculate Bid Based Unit Prices for All Items

There are several methods to price items in Estimation. Items can be priced individually, or the entire estimate can be priced all at once. It is recommended that all item prices be updated every six months or at every milestone cost estimate. After an entire cost estimate price refresh, it is also recommended that a snapshot be created and saved for historical purposes. The snapshot description should contain both a reason and date. See Snapshots and Cost Estimate Phase Transition topic for more details. AASHTOWare Project Estimation calculates all item pricing based upon current bid history values. When

a letting is more than a year from when the estimate is prepared, an inflation adjustment should be included. Please see the Inflation topic for more details.

1. Navigate to the item pricing worksheet from the Cost Estimate summary page

Home	I		Actions	P Help	U Log off
Overview Contingency Assignment Funding:	Assign to Items Fund Package Overview Life Cycle Costs Typical Sections Item Pricing Worksheet				
Cost Estimate Summary					
✓ Cost Estimate: 0999-0999-TST - Cost	st Estimate for Training. Created 8/3/23 by James Kocaba. Please do not delete.		1	Save	0
Project: 0999-0999-TST					_
General	✓ Parent Attributes				
Categories	Associated Type	Unit System			
Cost Summary	Project	English			
Cost Estimate Items	Entity	Improvement Type			
Non-Construction Costs	0999-0999-TST				
Markups	Entity Description Test project created by James Kocaba for Estimation training Spec Book 11 ✓ Estimate Information	Work Type			
	Cost Estimate Name * 0999-099-TST Cost Estimate for Training. Created 8/3/23 by James Kocaba. Please do not delete. Estimate Phase 01 - Programming  Estimate By Q CONNOTMOCHADING Q CONNOTMOCHADING	Design Build Profile No Budget Class Lanemiles Estimate Type Vandor Arras			Σ

- 2. Pricing all estimate items can be accomplished selecting the action arrow to the right of the save button (1)
- 3. Select "Calculate Bid Based Prices for all items" (2)

Home 👻	Previous 💌 My	Pages 💌						Actions Het	
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✓ Item Pric	cing Worksheet							Save	П
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Type search	ch criteria or press Ent	er 🥒 ItemNumLH	<ul> <li>Showing 11 of 11</li> </ul>					There are no actions available.	
otal Cost Estin 35,339.52	mate Items						2	Tasks Calculate Bid Based Prices for all Items Combine Like Cost Estimate Items	
Cat ID 🔻	Line	🖌 Item 🍍 🗸	Descr	Unit	/ Quantity -	🖉 Unit Price 💌		Combine Like Cost Estimate Items And Calculate Export Cost Estimates	) c
STDGEN	10	0001PARA	MINOR ITEM ALLOWANCE PARAMETRIC ITEM	LS	1.000	100,000.00000	CAL POINT	Select Cost Estimate Items to Calculate Bid Base	
						9,755.84000		1.6 million	_
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WYGEN AVEMENT	1	0202000	EARTH EXCAVATION	c. y.	1,000.000	48.45000 🧱		Attachments (0)	
WYGEN AVEMENT R-01987	1	0202000	EARTH EXCAVATION EARTH EXCAVATION	с. у. с. у.	1,000.000	48.45000 39.54000		Attachments (0) Issues	
CMNLS HWYGEN PAVEMENT BR-01967 BR-01967 HWYGEN	1 11 4	0202000 0202000 0601062	EARTH EXCAVATION EARTH EXCAVATION FOOTING CONCRETE	с.у. с.у.	1,000.000 1,500.000 200.000	48.45000 == 39.54000 == 671.14000 ==		Attachments (0) Issues Links	
HWYGEN PAVEMENT BR-01967 BR-01967	1 11 4 5	0202000 0202000 0601062 0601064	EARTH EXCAUATION EARTH EXCAUATION FOOTING CONCRETE ABUTMENT AND WALL CONCRETE	с.у. с.у. с.у.	1,000.000 1,500.000 200.000 400.000	48.45000 == 39.54000 == 671.14000 == 1,302.54000 ==		Attachments (0) <u>Issues</u> Links Reports Cost Estimate Budget Class Report Cost Estimate Contingency Report	
WYGEN WVEMENT IR-01967 IR-01967 IWYGEN	1 11 4 5 3	0202000 0202000 0601062 0601064 0969062	EARTH EXCANATION EARTH EXCANATION POOTING CONCRETE ABUTWENT AND WALL CONCRETE CONSTRUCTION FIELD OFFICE, MEDIUM	с.у. с.у. с.у. с.у. то.	1.000.000 1.500.000 200.000 400.000 12.000	48.4500 == 39.5400 == 671.14000 == 1.302.54000 == 4.794.14000 ==		Attachments (0) <u>Issues</u> Links ReportS Cost Estimate Budget Class Report Cost Estimate Contingency Report Cost Estimate Formula Information Report	
WYGEN AVEMENT IR-01967 IR-01967 IWYGEN CMNLS	1 11 4 5 3 7	0202000 0202000 0601062 0601064 0959062 0971001	EARTH EXCAUNTION EARTH EXCAUNTION POOTING CORCRETE ABUTURHT AND VALL CONCRETE CONSTRUCTION FIELD OFFICE, MEDIUM MUNITEDIALCE AND PROTECTION OF TRAFFIC	с.у. с.у. с.у. то. LS	1,000,000 1,500,000 200,000 400,000 12,000 1,000	48.4500 2000 2000 2000 2000 2000 2000 2000		Attachments (0) <u>Issues</u> Links Reports Cost Estimate Budget Class Report Cost Estimate Contingency Report Cost Estimate Formula Information Report Cost Estimate Report	
WYGEN AVEMENT IR-01987 IR-01987 IR-01987 IWYGEN CMNLS CMNLS	1 11 4 5 3 7 8	0202000 0202000 0601062 0601064 0999062 0971001 0975004	EARTH EXCANSION EARTH EXCANSION FOOTING CONCILETE ABUTWENT AND VIALL CONCILETE CONSTRUCTION VIELD OFFICE, MEDIAM MAINTENANCE AND PROFECTION OF TRAFFIC MOBILIZATION AND PROJECT CLOSEOUT	c.y. c.y. c.y. mo. LS LS	1,000,000 1,500,000 200,000 400,000 12,000 1,000 1,000	48,4500 2013 39,5400 2016 671,1400 201 1,302,5400 2016 4,794,1400 2016 2016 2016 2016 2016 2016 2016 2016		Attachments (0) <u>Issues</u> Links ReportS Cost Estimate Budget Class Report Cost Estimate Contingency Report Cost Estimate Formula Information Report	

4. Calculate Bid-Based Prices operation will begin. Please be patient with this step in the process. Large estimates may require 10 to 15 minutes to complete item pricing calculations.

✓ Item Price	ing Worksheet				×				
								Save	-
Total Cost Estir 985,339.52	mate Items					0 a	dded 0 mark	ed for deletio	on 0 ct
Cat ID 🔻	Line 🥒 Item * 🗸	Descr	Unit	/ Quantity - / Unit P		🖋 Supp Descr 👻	/ Pric	/ Cntrb	/ Exc
ISTDGEN	10 0001PARA	MINOR ITEM ALLOWANCE PARAMETRIC ITEM							
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CMNLS	6 0201001	CLEARING AND GRUBBING	LS	1.000	9,755.84000	9,755.84	Referenc	e Yes	Yes
ICMNLS IHWYGEN	6 0201001 1 0202000	CLEARING AND GRUBBING EARTH EXCAVATION	LS c.y.	1.000	9,755.84000	9,755.84 48,450.00	Reference Regres	e Yes Yes	Yes
CMNLS HWYGEN PAVEMENT	6 0201001 1 0202000 11 0202000	CLEARING AND GRUBBING EARTH EXCANATION EARTH EXCANATION	LS	1.000 1,000.000 1,500.000	9,755.84000	9,755.84 48,450.00 59,310.00	Reference Regres Regres	e Yes Yes Yes	Yes No No
OCMNLS 3HWYGEN 2PAVEMENT 1BR-01987	6 0201001 1 0202000 11 0202000 4 0601062	CLEARING AND GRUBBING EARTH EXCAVATION EARTH EXCAVATION FOOTING CONCRETE	LS c.y. c.y. c.y.	1 000 1,000 000 1,500 000 200,000	9,755.84000	9,755.84 48,450.00 59,310.00 134,228.00	Reference Regres Regres	ves Yes Yes Yes	Yes No No No
OCMNLS 3HWYGEN 2PAVEMENT 1BR-01987 1BR-01987	6 0201001 1 0202000 11 0202000 4 0601062 5 0601064	CLEARING AND GRUBBING EARTH EXCANATION EARTH EXCANATION FOOTING GONGRETE ABUTMENT AND WALL CONCRETE	LS c.y. c.y. c.y. c.y.	1.000 1.000.000 1.500.000 200.000 400.000	9,755.84000	9,755.84 48,450.00 59,310.00 134,228.00 521,016.00	Reference Regres Regres Regres Regres	e Yes Yes Yes Yes Yes	Yes No No No
OCMINES COMMENT 2PAVEMENT 18R-01987 18R-01987 COMMENT	6 201001 1 0202000 10 0202000 4 0601062 5 0601064 3 0969662	CLEARINO AND GRUSSING EARTH EICAANTON EARTH EICAANTON FOOTWIG CONCRETE AGUIVERT TAN WALL CONCRETE CONSTRUCTION FIELD OFFICE, MEDIUM	LS c.y. c.y. c.y. c.y. mo.	1.000 1.000.000 1.500.000 200.000 400.000 12.000	9,755.84000	9,755.84 48,450.00 59,310.00 134,228.00	Reference Regres Regres	Ves Ves Ves Ves Ves Ves Ves	Yes No No No No
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IDOCMILLS ISHWYGEN I2PAVEMENT I2PAVEMENT I2PR-01967 I1BR-01967 I1BR-01967 IIB	6 201001 1 0202000 10 0202000 4 0601062 5 0601064 3 0969662	CLEARINO AND GRUSSING EARTH EICAANTON EARTH EICAANTON FOOTWIG CONCRETE AGUIVERT TAN WALL CONCRETE CONSTRUCTION FIELD OFFICE, MEDIUM	LS c.y. c.y. c.y. c.y. mo.	1.000 1.000.000 1.500.000 200.000 400.000 12.000	9,755.84000	9,755.84 48,450.00 59,310.00 134,228.00 521,016.00	Reference Regres Regres Regres Regres	Ves Ves Ves Ves Ves Ves Ves	Yes No No No No

## Calculate Bid Based Unit Prices for Individual Items

Single items added in between bi-annual or milestone estimate updates can be priced individually. Please follow the steps below for item pricing procedures.

1. Navigate to the item pricing worksheet from the Cost Estimate summary page

Home			Actions Help	Log o	
Overview Contingency Assignment Funding: A	ssign to Items Fund Package Overview Life Cycle Costs Typical Sections Item Pricing Worksheet				
Cost Estimate Summary					
✓ Cost Estimate: 0999-0999-TST - Cos	t Estimate for Training. Created 8/3/23 by James Kocaba. Please do not delete.		Save	- ?	
Project: 0999-0999-TST					
General	✓ Parent Attributes				
Categories	Associated Type	Unit System			- 1
Cost Summary	Project	English			- 1
Cost Estimate Items	Entity	Improvement Type			- 1
Non-Construction Costs	0999-0999-TST				- 1
Markups	Entity Description Test project created by James Kocaba for Estimation training Spec Blook 11 V Estimate Information	Work Type			
	▼ Lestimate Information           Cost Estimate Name ●         0999.0999.151           ○ Cost Estimate Descr         Cost Estimate Descr           Cost Estimate Phase         01. Programming ▼           Estimate By         Q           CoNNDOTIkocabajt         Kocaba James           Cost Estimate Total         Cost Estimate Total	Design Build Profile No Budget Class Lanemiles Estimate Type Yuendor Acreas		Σ	

- 2. Pricing individual estimate items can be accomplished selecting the three staked blue bars in the item unit price field (1)
- 3. Select the active checkmark box (2)
- 4. Select calculate price (3)
- 5. Select "Save"

Home 💌	Previous 👻	My Pages 💌							Ac			<b>ل</b> مود
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P Cat ID 🔻	Line 10	✓ Item. * • 0001PARA	Descr MINOR ITEM ALLOWANCE PARAMETRIC ITEM	Unit	✓ Quantity → 1 000	✓ Unit Price ✓ E 100,000.0000	Method	Price	3 Active	-		
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Cat ID - ISTDGEN DCMNLS 3HWYGEN	10 6	0001PARA 0201001	MINOR ITEM ALLOWANCE PARAMETRIC ITEM CLEARING AND GRUBBING	LS	1.000	9,191,54000		Price	3 Active Calc	ulate e vs	No Yes	
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Cat ID  Constant Cons	10 6 1 11	000 IPARA 020 100 1 020 2000 020 2000 060 1062 060 1064	MINOR ITEM ALLOWANCE PARAMETRIC ITEM CLEARING AND GRUBBING EARTH EXCANATION EARTH EXCANATION	LS LS c.y. c.y.	1 000 1 000 1,000 000 1,500 000 200 000 400 000	100,000,00000 9, 191,54000 97,54000 674,86000 1,278,55000		Price	3 Active Calc Price Qua	ulate e e vs nitty	No No No No	
Cat ID - ISTDGEN OCMNLS SHWYGEN 2PAVEMENT IBR-01967 IBR-01967	10 6 1 11 4	0001PARA 0201001 0202000 0202000 0601062	MINOR ITEM ALLOWIANCE PARAMETRIC ITEM CLEARING AND GRUBBIG EARTH EXCAUNTION EARTH EXCAUNTION FOOTING CONCRETE	LS LS c.y. c.y. c.y.	1.000 1.000 1.000.000 1.500.000 200.000 400.000 12.000	100,000,0000 0000 0000 0000 0000 0000 0	Bid Based	Price	3 Active Calc Price Qua	ulate e e vs nitty	No No No No No	
P Cat ID V ISTDOEN OCMNLS 3HWYGEN 2PAVEMENT 18R-01967 18R-01967 3HWYGEN OCMNLS	10 6 1 11 4 5 3 7	00019ARA 4201001 4202000 4202000 4801062 4801064 4999062 4971001	MINION TEM ALLOYANCE PRAMETRIC TEM CLEARING AND GRUBBING EARTH EXCANATION EARTH EXCANATION FOOTING CONCEPTE ADUTHENT AND VIAL CONCEPTE CONSTRUCTION FRED OFFICE, MEDIAM MAINTENLANCE AND SPOTECTION OF TRAFFIC	LS LS C.y. C.y. C.y. C.y. mo. LS	1.000 1.000 1.000.000 200.000 400.000 12.000 1.200 0 1.000	100.000.0000 000 9.19154000 000 9874400 000 674.85000 000 1.278.55000 000 4.668.12000 000 000 000 000 000 000 000	Bid Based Reference Cost Based	Price	3 Active Calc Price Qua	ulate e e vs nitty	No No No No No No No Yes	
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#### 6. Save is complete and item price is established

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Cat ID ▼ ISTDGEN	10	0001PARA	MINOR ITEM ALLOWANCE PARAMETRIC ITEM	LS	1.000	100,000.00000	100,000.0	Supp Descr →     Ad	Pric	Cntrb • Yes	Excld No
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Cat ID + 1STDGEN 0CMNLS 3HWYGEN	10 6 1	0001PARA 0201001 0202000	MINOR ITEM ALLOWANCE PARAMETRIC ITEM CLEARING AND GRUBBING EARTH EXCAVATION	LS LS c.y.	1.000 1.000 1,000.000	100,000.0000 9.555.94000 39.54000 39.54000 39.54000 39.54000 39.54000 39.54000 39.54000 39.54000 39.5555 39.5555 39.5555 39.5555 39.5555 39.5555 39.5555 39.5555 39.55555 39	100,000 0 9,585 9 39,540 0	Supp Descr     Ad     Ad     Re     Re	Pric 1 Hoc eference egres	Ves Yes Yes	<pre></pre>
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Cat ID - ITSTDGEN OCMILS 3HWYGEN 2PAVEMENT 1BR-01987	10 6 1 11 4	0001PARA 0201001 0202000 0202000 0601062	MINOR ITEM ALLOWANCE PARAMETRIC ITEM CLEARING AND GRUBBING EARTH EXCANATION EARTH EXCANATION FOOTING CONCRETE	LS LS c.y. c.y. c.y.	1.000 1.000 1.000,000 1.500,000 200,000	100,000 00000 = 9 500 94000 = 39 54000 = 39 54000 = 674,8600 =	100,000.0 9,565.9 39,540.0 59,310.0 134,972.0	Supp Descr         Ad           4         Re           0         Re           0         Re           0         Re           0         Re	Pric I Hoc eference egres egres	<pre></pre>	Excld No Yes No No No No
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### Add Contingency Percentage

Contingency is an element of estimated cost included to account for uncertainty and risk. The designer is responsible for ensuring that the proper percentage is entered based upon cost estimate phase.

- 1. Select Non-Construction Costs (1)
- 2. Select New (2)
- 3. Enter "Contingency" for name (3)
- 4. Enter "Contingency" for description (4)
- 5. Enter Percentage (5)
- 6. Select "Active" (6)
- 7. Select "Save" (7)

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### Add Incidental Percentage

The Non-Construction Cost tab can be used to enter incidental cost values. The cost of Construction Engineering (CENG), which consists of the various activities required to administer the construction contract, including inspection, materials testing, construction phase design support and other functions. It includes state and consultant forces, when applicable. For state-awarded construction contracts, this "Incidental Cost" is estimated using a sliding scale percentage of the contract cost as shown in the Incidental Cost Percentage Chart. Please refer to the cost estimating guide for contract price ranges and the associated values.

- 1. Select Non-Construction Costs from the Cost Estimate Summary (1)
- 2. Select "New" (2)
- 3. Enter Non-Construction Cost Name (3)
- 4. Enter Non-Construction Cost Description (4)
- 5. Enter proper percentage (5)
- 6. Select the "Active" checkbox (6)
- 7. Click "Save" (7)

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# Add Inflation

A cost estimate with a letting date more than one year from when the estimate is prepared should include an inflation adjustment. Inflation values progressively decrease as contracts move from programming to semi-final design and are removed entirely at the final design phase. The Inflation Parametric Item (005PARA) can be used to enter direct future inflation values. The steps for calculating and entering inflation values are shown below.

Except for contracts with durations of three years or more, the inflation adjustment factor is computed by determining the number of years between the estimate date (when estimate is prepared) and scheduled bid opening and multiplying this number by the annual inflation factor. For contracts with durations of three years or longer, compute the number of years from the estimate date to the midpoint of construction. An annual inflation rate of 6.5 percent per year (simple, not compound) should be used for 2023 and subsequent years. Inflation costs decrease as the cost estimate phases advance toward semi-final design and eventually are eliminated at final design. Example computations and process for AWP cost estimate incorporation to follow:

#### Inflation Example 1 (construction duration less than 3 years)

Estimate date: January 15, 2023 Scheduled bid opening (letting) date: November 15, 2024 Duration of construction contract: 2 years (midpoint: April 2026) Estimated cost: \$1,500,000 Inflation: 6.5 percent Estimated future/inflated cost = \$1,500,000 x (1.83x0.065) = \$178,425

#### Inflation Example 2 (construction duration more than 3 years)

Estimate date: January 15, 2023 Scheduled bid opening (letting) date: December 13, 2024 Duration of construction contract: 4 years (midpoint: April 2027) Estimated cost: \$15,000,000 Inflation: 6.5 percent Estimated future/inflated cost = \$15,000,000 x (4.25x0.065) = \$4,143,750 See the following steps below:

- 1. Navigate to the Cost Estimate Summary screen
- 2. Select Item Pricing work sheet

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- 4. Double click in the Cat ID field (1)
- 5. Select Category 81STGEN (2)

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- 6. Double click the item field
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- 10. Enter the manually calculated lump sum unit price (1)
- 11. Click Save (2)

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# Snapshots and Cost Estimate Phase Transition

After a cost estimate has been completed and is ready to transition to the next project development milestone several actions must be completed. First, users must generate a cost estimate phase snapshot. A snapshot is required for PowerBi reporting and audit purposes as well as tracking scope creep. After a snapshot is created the cost estimate phase can be transitioned and saved.

- 1. Navigate to the Cost Estimate Summary
- 2. Select the action arrow adjacent to the save button (1)
- 3. Select "Create Snapshot" (2)

Home • Previous • My I	Pages 🔹		Actions Help Log of
Overview Contingency Assignment Cost Estimate Summary	Funding Assign to Items Fund Package Overview Life Cycle Costs Typical Sections Item Pricing Worksheet		1
✓ Cost Estimate: 0999-0999-1	TST - Cost Estimate for Training. Created 8/3/23 by James Kocaba. Please do not delete.		Save 🔽 ?
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	Estimate Phase	Budget Class	Parent Project Snapshots
	01 - Programming -	•	Reports
	or - Programming +	Lanemiles	Cost Estimate Budget Class Report
	Estimated By		Cost Estimate Contingency Report
	Q CONNDOT/kocabajt		Cost Estimate Formula Information Report
	Kocaba James	Estimate Type	Cost Estimate Scope Tracking Report
	Cost Estimate Total	•	Cost Estimate Summary Report
	1.317.606.11	Vendor Access	Design Build Estimate Report
		Q Begin typing to search or press Enter	Prequalification Work Type Report
	Previous Snapshot Total		
		Snapshot Tracking Percentage	
		10.00	

- 4. Enter a detailed description of the cost estimate phase (1)
- 5. Select the proper snapshot reason (2)
- 6. Select "Save" (3)

Home		Ad	ons Help	U Log off
Cost Estimate				
Add Cost Estimate Snapshot				
✓ Add Cost Estimate Snapshot		3	Save	7 🕜
Entity Description Description Snapshot at Preliminary Design Completion - 50%	٩	Cost Estimate Name 0999-0999-TST Snapshot Type Manual Snapshot Reason 02PD - Preliminary Dester		
✓ Remarks		01PRGM - Programming		
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•		03SFD - Semi Final Design	Q	
		04FD - Final Design	4	
		05FDP - Final Design Plans 06SCP - Scope Modification		
		070TH - Other		

- 7. Snapshot has been successfully saved
- 8. Users can navigate back to snapshot overview

Home 👻 Previous 👻 My F	Pages 🔹					Actions	C Help	U Log off
Overview Fund Package Overview	Funding: Assign to Items Contingency Assignment Typic	al Sections Cost Estimate						
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### 9. Navigate back to the current cost estimate

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### 10. Quick link to cost estimate snapshots is located here:

- a. Select action item arrow adjacent to the save button (1)
- b. Select the "Snapshots" hyperlink (2)

t Estimate Summary			1
Cost Estimate: 0999-0999-TS	T - Cost Estimate for Training. Created 8/3/23 by James Kocaba. Please do not delete.		Save
ect: 0999-0999-TST			Actions 🗶
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	0999-0999-TST	improvement type	Combine Like Cost Estimate Items and Calculate
-Construction Costs	0444-0444-121		Create Profile From Estimate
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	Estimate Phase	Budget Class	Parent Project Snapshots
	01 - Programming V	• 2	Reports
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