

MEMORANDUM

State of Alaska
Department of Transportation & Public Facilities
Northern Region Preconstruction

TO: ^{for} Longin Krol, P.E. ^{nk}
Preconstruction Engineer
Northern Region

DATE: March 22, 2013

FILE NO: V:\Hwy\60260\6 Design\2 DSR\DSR
Revisions memo 60260.doc

THRU: Timothy J. Woster, P.E. ^{TW}
Design Group Chief
Northern Region

TELEPHONE NO: 451-5059

FAX NO: 451-5126

FROM: Russell Johnson, P.E. ^{RJ}
Engineering Manager
Northern Region

SUBJECT: Chena Small Tracts Improvements
AKSAS # 60260
Design Study Report Revisions

Submitted for your approval are the following revisions to the Chena Small Tracts Design Study Report:

Project Description: *Delete the last sentence in the last paragraph and replace with:*

The proposed improvements add an 8-foot wide separated path on the north side of Chena Small Tracts Road. The design includes extending the existing 4-foot diameter culvert at Cripple Creek Slough and a retaining wall in front of Lark Pond.

Typical Section: *Delete this section in its entirety and replace with:*

The typical section is an 8-foot wide separated path on the north side of Chena Small Tracts Road. See Appendix A, Figure 2.

Safety Improvements: *Delete this section in its entirety and replace with:*

Safety will be improved by providing a facility for pedestrians and bicyclists off the vehicle roadway.

Pedestrian/Bicycle (ADA) Provisions: *Delete this section in its entirety and replace with:*

The separated path provides a dedicated facility for pedestrian and bike traffic.

Maintenance Considerations: *Delete this section in its entirety and replace with:*

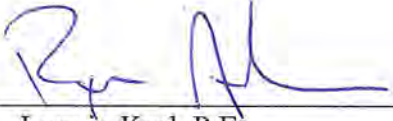
Maintenance requirements will increase due to the addition of the 8-foot wide path by approximately one lane mile.

Cost Estimate: *Delete this section in its entirety and replace with:*

Phase 2: Design	\$ 340,000
Phase 3: Right-of-Way	\$ 0
Phase 7: Utilities	\$ 0
Phase 4: Construction	\$1,200 000
Total Cost of Project	\$1,540,000

Appendix A: *Delete Figure 2 and replace with the attached Figure 2*

Appendix B Engineer's Estimate: *Delete the Engineer's Estimate and replace with the attached Engineers Estimate*

Approved: 
Longin Krol, P.E.
Preconstruction Engineer

3/22/2013
Date

rmj/ss^{SS}

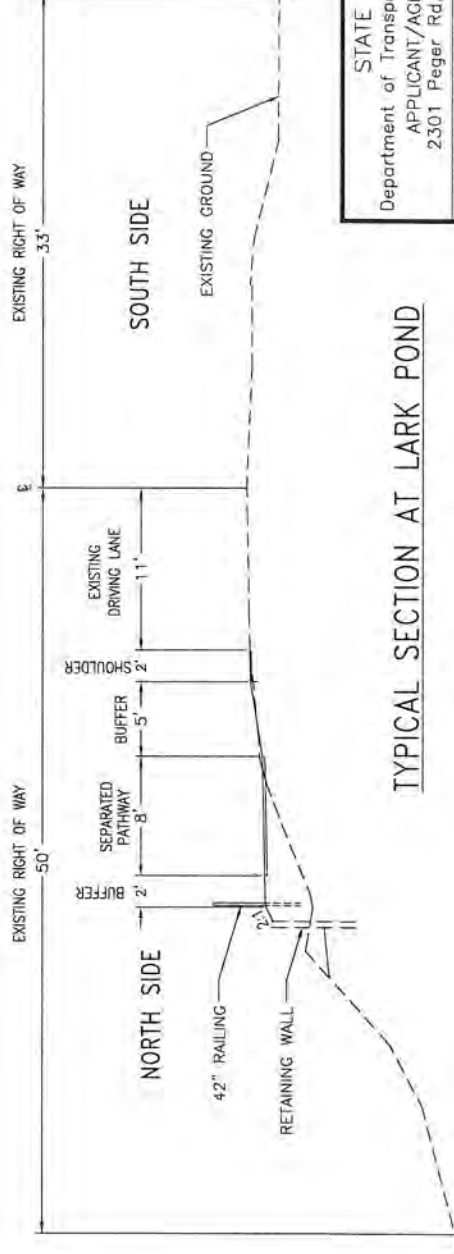
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Ethan Birkholz, Planning Chief
Jeff Currey, P.E., Materials Engineer
Gail Gardner, P.E., Utilities Engineer
Pamela Golden, P.E., Traffic & Safety Engineer
Roger Healy, P.E., Chief Engineer, Headquarters
Barry Hooper, P.E., PD&E Chief
Robert B. Laurie, Statewide Bike/Pedestrian Coordinator
Brett Nelson, Environmental Coordinator
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Clark Milne, P.E., M&O Maintenance Engineer
Barbara L. Tanner, P.E., Contracts Engineer (*original*)

CHENA SMALL TRACTS BICYCLE AND PEDESTRIAN FACILITY



TYPICAL SECTION



TYPICAL SECTION AT LARK POND

STATE OF ALASKA Department of Transportation and Public Facilities APPLICANT/AGENT: State of Alaska 2301 Peger Rd, Fairbanks, Ak 99709	
CHENA SMALL TRACTS ROAD IMPROVEMENTS 60260	
CHENA RIVER	
DATE: 03/07/13	FIG. 2

ENGINEER'S ESTIMATE

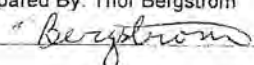
**State of Alaska
Department of Transportation
& Public Facilities
Northern Region**

Chena Small Tracts Road Improvements
Pedestrian Pathway
AKSAS No.: 60260
Federal No.:
Version ID: 39891
Printed: 2/27/2013 2:18:34 PM

Basic Bid

Item Number	Description	Quantity	Unit	Unit Price	Amount
201(3b)	Clearing And Grubbing	All required	Lump Sum	15,000.00	15,000.00
202(1)	Removal Of Structures And Obstructions	All required	Lump Sum	9,200.00	9,200.00
203(3)	Unclassified Excavation	4,000	Cubic Yard	15.00	60,000.00
203(6)	Borrow	13,000	Ton	13.00	169,000.00
301(1)	Aggregate Base Course, Grading D-1	1,525	Ton	40.00	61,000.00
401(1)	Asphalt Concrete, Type 2; Class B	480	Ton	55.00	26,400.00
401(2)	Asphalt Cement, Grade 52-28	26.9	Ton	725.00	19,502.50
401(10)	Asphalt Material Price Adjustment	All required	Contingent Sum	4,500.00	4,500.00
405(1)	CRS-2P Asphalt for Surface Treatment	4.5	Ton	1,000.00	4,500.00
405(2)-B	Aggregate for Surface Treatment, Grading B	24	Ton	80.00	1,920.00
405(2)-E	Aggregate for Surface Treatment, Grading E	12.8	Ton	100.00	1,280.00
510(100)	Bin-Type Retaining Wall	650	Square Foot	155.00	100,750.00
603(1-18)	18 Inch CSP	380	Linear Foot	150.00	57,000.00
603(1)-24	24 Inch CSP	20	Linear Foot	175.00	3,500.00
603(1)-48	48 Inch CSP	46	Linear Foot	350.00	16,100.00
611(1)	Riprap, Class I	35	Cubic Yard	140.00	4,900.00
613(2)	Culvert Marker Post	2	Each	120.00	240.00
615(2)	Remove and Relocate Existing Sign	3	Each	340.00	1,020.00
616(2)	1/2 Inch Diameter Thaw Pipe	1	Each	2,000.00	2,000.00
618(2)	Seeding	100	Pound	80.00	8,000.00
620(1)	Topsoil	3,000	Square Yard	15.00	45,000.00
621(2)	Shrub, Willow Sprigs	120	Each	12.50	1,500.00

Prepared By: Thor Bergstrom



Checked By:

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ENGINEER'S ESTIMATE

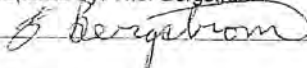
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Chena Small Tracts Road Improvements
Pedestrian Pathway
AKSAS No.: 60260
Federal No.:
Version ID: 39891
Printed: 2/27/2013 2:18:34 PM

Basic Bid

Item Number	Description	Quantity	Unit	Unit Price	Amount
625(1)	Pipe Hand Rail	300	Linear Foot	275.00	82,500.00
639(3)	Approach	8	Each	1,500.00	12,000.00
640(1)	Mobilization And Demobilization	All required	Lump Sum	50,000.00	50,000.00
641(1)	Erosion, Sediment And Pollution Control Administration	All required	Lump Sum	5,000.00	5,000.00
641(3)	Temporary Erosion, Sediment And Pollution Control	All required	Lump Sum	10,000.00	10,000.00
641(4)	Temporary Erosion, Sediment And Pollution Control Additives	All required	Contingent Sum	10,000.00	10,000.00
641(6)	Withholding	All required	Contingent Sum	0.00	0.00
642(1)	Construction Surveying	All required	Lump Sum	20,000.00	20,000.00
642(3)	Three Person Survey Party	30	Hour	150.00	4,500.00
643(2)	Traffic Maintenance	All required	Lump Sum	30,000.00	30,000.00
643(23)	Traffic Price Adjustment	All required	Contingent Sum	0.00	0.00
643(25)	Traffic Control	All required	Contingent Sum	75,000.00	75,000.00
644(1)	Field Office	All required	Lump Sum	10,000.00	10,000.00 (CF-CENG)
PROJECT Summary	Pay Items:	35 Items		Subtotal:	921,312.50
	Minus Contractor Furnished CENG Items				-10,000.00
	Construction Engineering (Percentage)	20%		Exc Subtotal	911,312.50
	Indirect Cost Allocation Plan (ICAP)	4.79%		CENG Subtotal	182,262.50
	TOTAL PARTICIPATING				1,093,575.00
	ADDED COSTS (Not part of the Contract)				52,382.24
	PROJECT TOTAL				1,145,957.24

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