

## APPENDIX C CHANGE ORDER EXAMPLES

July 2002 [Revised August 2004]

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## APPENDIX C CHANGE ORDER EXAMPLES

Appendix C presents examples of the most common types of change orders that Project Engineers and Project Inspectors will prepare on a day-to-day basis. Although either the Project Engineer or the Project Inspector may prepare the change order, the Project Engineer is responsible for ensuring it is properly approved and distributed.

A sample Letter of Explanation accompanies each example change order. See Appendix B for guidance on preparing other letters and forms (e.g., Form 266).

Form 90 – Contract Modification Order is available at Forms Management on the Intranet Web Site. Consultants may obtain the forms from their CDOT contact.

			MEMORANDUM				
DEPARTMENT	OF TRANSPORTATION						
4201 E. Arkansas Denver, Colorado 4 Phone 303-757-90	80222		DEPARTMENT OF TRANSPORTATION				
DATE:	July 7, 2001		Re: 11111/NH 66-066 Route 66-South				
TO:	(Resident Engineer	or Program Engineer a	s per Region requirements)				
FROM:	(Project Engineer)						
SUBJECT:	Contract Modification	n Order #3, Sight Dista	ance Improvements				
This intersection not warrant the	n is the site of severa se improvements in th	I recent accidents attril ne design phase of this	or for sight distance improvements at County Road 9. buted to limited sight distance. The accident history did a overlay project. However, Jim Nelemeb, Region Traffic the local City Mayor and Fire Department.				
distance to 150 indicated on the Topsoil, Seedir	) feet for eastbound C e attached drawing an	ounty Road 9 traffic. A d as requested by the ing (Weed Free), in or	en Station 239+ and Station 243+ right, which limits sight After excavation, the sight distance will be 500 feet as Region Traffic Engineer. The work will also include der to vegetate the slope. The seed mix was provided				
yards. This is r Book for simila cubic yards. Th Data Book for s approximately ( Cost Data Book \$1600.00/acre \$2100.00 from	Unclassified excavation will be paid at the negotiated unit price of \$7.00/cubic yard for approximately 2000 cubic yards. This is reasonable when compared to the average bid price of \$8.00/cubic yard from the <i>2000 Cost Data Book</i> for similar quantities. Topsoil will be paid at the negotiated unit price of \$8.00/cubic yard for approximately 100 cubic yards. This is reasonable when compared to the average bid price of \$7.50/linear foot from the <i>2000 Cost Data Book</i> for similar quantities. Seeding (Native) will be paid at the negotiated unit price of \$7.50/linear foot from the <i>2000 Cost Data Book</i> for similar quantities. Seeding (Native) will be paid at the negotiated unit price of \$1500.00/acre for approximately 0.13 acres. This is reasonable when compared to the average bid price of \$2000/acre from the <i>2000 Cost Data Book</i> for similar quantities. Mulching (Weed Free Hay) will be paid at the negotiated unit price of \$1600.00/acre for approximately 0.13 acres. This is reasonable when compared to the average bid price of \$2000/acre for the <i>2000 Cost Data Book</i> for similar quantities. This is reasonable when compared to the average bid price of \$2000/acre for the <i>2000 Cost Data Book</i> for similar quantities. This is reasonable when compared to the average bid price of \$2000/acre for approximately 0.13 acres. This is reasonable when compared to the average bid price of \$2100.00 from the <i>2000 Cost Data Book</i> for similar quantities. The Contractor has requested no additional mobilization for this work. The total cost of this change order is \$15,203.00						
	own on the attached l		ler is \$1,440,000.00 or 1.7 percent under the current ment. No budget action is required. The budget				
Current Project	t Budget	\$1,500,000.00					
Projected Cost	s to Completion	\$1,475,000.00					
Projected Surp	lus (Deficit)	\$25,000.00	(1.7%)				
			tems, therefore no additional time is required. The this work. A copy of the completed Form 105 is				
Concurrence w	as obtained from Dor	Shotsat, Project Mana	ect Development Area Engineer on July 4, 2001. ager and John Cheney, Region Program Engineer on hange order, because the total cost is less than				

COLORADO DEPARTMENT OF TRANSPORTATION			Project No.:			Project Code (SA#):	
CONTRACT MODIFIC			NH 66-066 Location:				
ORDER	~		Route 66-So	outh		0.1	
UNDEN			Date: July 7, 2001		Project 3	Order No.:	-
Contractor:			Estimated co	ost to project:			
Good Aim Construction Complete Address:			Increase ☐ Decrease \$15,203.00      Total additional days allowed to complete work: Federal Oversight?				
14555 Lost Road Aurora, Co. 8001	1		0				Yes 🗍 No
Modification Title: Sight Distance Improvements							
Your Contract is hereby modified to in work will include excavation of a cut s (Weed Free) in order to vegetate the attached seed mix, and as directed.	39+ and Statio	n 243+ right, To	opsoil, Seeding	) (Native), a	and Mulching		
No additional time will be allowed for this work.							
ITEM DESCRIPTION	<u>UNIT</u>	PREVIOUS QUANTITY	ADDED QUANTITY	REV. PLAN QUANTITY	UNIT PRICE	INCR. C TO PROJ	
ADD:							
203 Unclassified Excavation (CIP)	CY	0	2000	2000	\$7.00	\$14,000	
207 Topsoil	CY	0	100	100	\$8.00	\$800	
212 Seeding (Native) 212 Mulching (Weed Free)	ACRE ACRE	0	0.13 0.13	0.13 0.13	\$1,500.00 \$1,600.00	\$195 \$208	
		TOTAL ES	TIMATED INCF	EASED COST	TO PROJECT	\$15,203	3.00
The Contractor accepts this change order		· · · ·	ind prices on wh	ich payment is to	be based.		
REQUIRED IN ACCORDANCE WIT IN THE CDOT CONSTRUCTION Approved by FHWA Operations Engineer	ON MANU	AL	Authorized by P	REQUIRED F	OR ALL CHANG		
		Date:		• •			Date:
OPTIONAL			Contractor Rep				Date:
Approved by Region Transportation Direc	tor:	Date:	Approved by Re	esident Engineer:			Date:
			Participating	Non-par	ticipating	Participa	ation as noted
			Approved Fundi	ing by Region Pro	ogram Engineer:		Date:

		MEMORANDUM
DEPARTMEN 4201 E. Arkansa Denver, Colorad Phone 303-757-1	0 80222	DEPARTMENT OF TRANSPORTATION
DATE:	June 30, 2001	RE: 11111/NH 66-066 Route 66-South
TO:	(Resident Engineer or Progra	m Engineer as per Region requirements)
FROM:	(Project Engineer)	
SUBJECT:	Contract Modification Order #	2, Project Extension Type I, Erosion Control
problems cor	nsist of ditch scour, plugged and ws directed into an offsite draina	osion problems on the previous Route 66 corridor project. These washed out culverts, slope erosion, undermined pavement, and ge. These problems were created by inadequate design of the
inlets, check ditch scour. topsoil, gradir 24-inch culve	dams, and rip rap in selected dit Additional work includes cleaning ng eroded slopes, seeding and s rts on North Chicken Creek Roa	ching, soil retention blanket, erosion bales, S&D Paving (Asphalt), ches where steep grades and excessive flows have contributed to g of selected culverts, relaying of a washed out culvert, placing of oil retention blanket on steep erodible fill slopes, and placing two d to direct increased offsite flows out of an undersized ditch. prmed with Blading, Dozing and Combination Loader hours.
be paid at the reasonable w Relaying of p reasonable w culvert will be	e negotiated bid unit price of \$2.0 when compared to the average bi ipe will be paid at the negotiated when compared to the average bi p paid at the negotiated unit price	be paid at the Contract bid unit prices. Soil Retention Blanket will 00/square yard for approximately 2000 square yards. This is d price of \$2.10/square yard from the <i>2000 Cost Data Book</i> . unit price of \$40.00/linear foot for 90 linear feet. This is d price of \$39.50/linear foot from the <i>2000 Cost Data Book</i> . Clean of \$ \$200.00/each for approximately 5 culverts. This is reasonable 197.00/each from the <i>2000 Cost Data Book</i> .
In accordance	e with the CDOT Construction M	anual the following criteria has been met:
<ul> <li>The need</li> <li>The work</li> <li>Project fu</li> <li>The adde</li> <li>The total</li> <li>The value</li> </ul>	constitutes a lengthening of this unds are available and the work of ad work will be performed at Con value of the extra work is less th	ished but was not included in the plans due to budget constraints. a project and is similar in kind and nature to the original Contract. can be completed at reasonable prices. tract unit prices or negotiated unit prices. ean \$100,000.00. ceed 20 percent of the value of the added work.
This work will	l be performed concurrently with	other activities and will not require additional time.
		is change order is \$11,668,241.27 or 0.1 percent under the current inancial Statement. The budget summary is as follows:

June 30, 2001 11111/NH 66-066 Page 2			
Current Project Allotment Projected Costs to Completion Projected Surplus (Deficit)	\$ 11,66	6,459.00 8,241.27 1,782.27)	-0.10%
Stone Jensen, Project Developmer Shotsat, Project Manager on June	nt Area Enç 23, 2001, a en preappro	ineer on a Ind from F vals from	Region Program Engineer on June 23, 2001, and with June 23, 2001. Concurrence was obtained from Don Rachel Carson, Region Planning and Environmental Gene Overseer, Chief Engineer, Dan Von Der Wagon, Jesus of FHWA are attached.
A budget action will not be required	d for this ch	ange orde	r.
In order not to delay the project, th completed Form 105 is attached.	e Contracto	r has bee	n directed by Form 105 to begin this work. A copy of the
I Concur: Project Development Bra	anch Mana	ger	
I Concur: Chief Engineer			

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COLORADO DEPARTMENT OF TRANSPORTATION	Project No.: NH 66-066	Project Code (SA#): 11111	
CONTRACT MODIFICATION	Location: Route 66-South		
ORDER	Date: June 30, 2001	Project Order No.: 2	
Contractor:	Estimated cost to project:		
Good Aim Construction	🛛 Increase 🔲 Decrease	\$68,710.00	
Complete Address:	Total additional days allowed to com		
14555 Lost Road Aurora, Co. 80011	0	Ves 🗋 No	
Modification Title:			
Project Extension Type L Erosion Control			

Your Contract is hereby modified to include erosion control work between Milepost 243.5 and Milepost 245.6 on Route 66. No additional time will be allowed for this work. The work will be completed in accordance with the Contract Specifications and as directed.

ITEM DESCRIPTION	UNIT	PREVIOUS QUANTITY	ADDED QUANTITY	REV. PLAN QUANTITY	UNIT PRICE	INCR. COST TO PROJECT
INCREASE:						
203 Blading	HR	100	40	140	\$81.00	\$3,240.00
203 Combination Loader	HR	350	40	390	\$65.00	\$2,600.00
203 Backhoe	HR	350	40	390	\$123.00	\$4,920.00
203 Dozing (Landscaping)	HR	200	40	240	\$84.00	\$3,360.00
206 Structure Excavation	CY	7549	50	7599	\$5.00	\$250.00
206 Structure Backfill	CY	2148	50	2198	\$14.00	\$700.00
207 Topsoil	CY	21658	500	22158	\$3.00	\$1,500.00
208 Erosion Bales	EA	2500	200	2700	\$10.00	\$2,000.00
208 Check Dam	EA	50	10	60	\$800.00	\$8,000.00
212 Seeding (Native)	ACRE	30	3	33	\$325.00	\$975.00
212 Seeding (Native) (Hydr.)	ACRE	10	2	12	\$540.00	\$1,080.00
212 Mulching (Weed Free)	ACRE	34	3	37	\$470.00	\$1,410.00
212 Mulch Tackifier	LB	6800	300	7100	\$1.95	\$585.00
216 Soil Retention Blanket	SY	4840	2000	6840	\$2.30	\$4,600.00
506 Rip Rap (12 inch)	CY	141	75	216	\$34.00	\$2,550.00
507 Bit S & D Paving (Asphalt)	TON	4.5	15	19.5	\$216.00	\$3,240.00
604 Inlet Type C (10 foot)	EA	2	2	4	\$2,400.00	\$4,800.00
617 24-inch Culvert Pipe	LF	1964	290	2254	\$35.00	\$10,150.00
630 Flagging	HR	20000	300	20300	\$22.50	\$6,750.00
ADD:						
210 Relay Pipe (30 inch)	FA	0	6000	6000	\$1.00	\$6,000.00

IN THE CDOT CONSTRUCTION MAN	UAL		
Approved by FHWA Operations Engineer:	Date:	Authorized by Project Engineer:	Date:
OPTIONAL	•	Contractor Representative:	Date:
Approved by Region Transportation Director:	Date:	Approved by Resident Engineer:	Date:
· · · · · · · · · · · · · · · · · · ·	<b>.</b>	Participating Non-participating Particip	ation as noted
		Approved Funding by Region Program Engineer:	Date:

		ן	MEMORANDUM
DEPARTMENT	OF TRANSPORTATION		
4201 E. Arkansas Denver, Colorado Phone 303-757-90	80222		DEFARTMENT OF TRANSPORTATION
DATE:	June 27, 2001		Re: 11111/NH 64-063 SH 64 East
TO:	(Resident Engineer or F	Program Engineer as per Regio	on requirements)
FROM:	(Project Engineer)		
SUBJECT:	Contract Modification O	order #3, Project Extension, Ty	pe II
		the project limits to include thost 499.6 to Milepost 506.6.	e Hot Bituminous Pavement widening and
In accordance	with the CDOT Construct	tion Manual, the following infor	mation is furnished to justify this extension:
The Contra	actor is willing to do the ex	xtra work.	
The propos	sed work is in reasonable	proximity to the project (5.8 m	iles west).
			g asphalt surface is structurally deficient al due to recent increases in traffic.
The Region	n has maintenance funds	, which are available for this w	ork.
<ul> <li>The cost of amount.</li> </ul>	f this extension is estimat	ted at \$775,000.00, which is le	ss than 50 percent of the original Contract
advertising contract at	, and awarding this work \$926,486.00. The Engin	under a separate contract. Th	han the estimated cost of designing, le Region has estimated a separate Analysis Unit has estimated the costs to le cost savings.
this change inc (Grading S)(76 approximately from the 2000 \$14.00/ton for from the 2000	clude, Embankment Mater (PG 64-28). Embankme 5000 cubic yards. This is <i>Cost Data Book</i> . Aggrega approximately 2500 tons. <i>Cost Data Book</i> . Hot Bitu 17,050 tons. This is reas	rial (CIP), Aggregate Base Cou ent Material will be paid at the r s reasonable when compared t ate Base Course (Class 6) will . This is reasonable when com uminous Pavement will be paid	bid unit prices. Additional items required for urse (Class 6), and Hot Bituminous Pavement negotiated unit price of \$4.00/cubic yard for o the average bid price of \$3.95/cubic yard be paid at the negotiated unit price of pared to the average bid price of \$15.10/ton at the negotiated unit price of \$40.00/ton for average bid price of \$40.50/ton from the 2000
added time. Th additional costs	ne Contractor will be comp s for Superintendent, traile	pensated \$25,000.00/lump sur	nalysis is attached as justification for the n for additional overhead. This includes chine, drinking water, and other ntractor.
The projected	cost for this project includ	ding this change order is \$2,97	3,345.00 or 26.1% over the current

allotment as shown on the attached Project Financial Statement. The budget summary is as follows:

June 27, 2001 11111/NH 64-063 Page 2		
Current Project Budget	\$2,198,345.00	
Projected Costs to Completion	<u>\$2,973,345.00</u>	
Projected Surplus (Deficit)	(\$775,000.00)	(26.1%)
A budget action is required and wil	I be processed throu	ugh the Region Business Office.
Manager, and from Gene Oversee from Randy Coates, FHWA Opera Project Development Area Engine	r, Chief Engineer on tions Engineer is att er on June 25, 2001 oolguy, Region Tran	d from Dan Von Der Wagon, Project Development Branch June 26, 2001, and is attached. Written preapproval ached. This change was discussed with Jimmy Cero, Concurrence was obtained from Brent Ripperton, sportation Director, and Rachel Carson, Region Planning
The work directed by this change w	vill not begin until the	e Form 90 has been fully executed.
l Concur: Project Development Bra	anch Manager	
l Concur: Chief Engineer		

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COLORADO DEPARTMENT OF TRANSPORTATION	Project No.: NH 64-063	Project Code (S. 11111	A#):		
CONTRACT MODIFICATION	Location: SH 64 East				
ORDER	Date: June 27, 2001	Project Order No 3	0.:		
Contractor: Goodman Const	Estimated cost to project:	\$750,000.00			
Complete Address: 2215 Green Acres Drive, Happyton, CO	Total additional days allowed to com 25	plete work:	Federal Oversight?		
Modification Title: Project Extension Type II-Widening and HBP					
Your Contract is hereby modified to include the widening an	nd Hot Bituminous Pavement over	eriav between N	Vilepost 499.6 and		

Milepost 506.6 on State Highway 64.

The items affected by this change are as follows:

ITEM DESCRIPTION	<u>UNIT</u>	PREVIOUS QUANTITY	ADDED QUANTITY	REV. PLAN QUANTITY	UNIT PRICE	INCR. COST TO PROJECT
INCREASE:						
630 Flagging	HR	20000	1000	21000	\$10.00	\$10,000.00
630 Traffic Control Management	Day	100	25	125	\$100.00	\$2,500.00
630 Const Traf Sign (Panel Size A)	EA	50	10	60	\$50.00	\$500.00
ADD:						
203 Embankment Material (CIP)	CY	0	5000	5000	\$4.00	\$20,000.00
304 ABC (Class 6)(Haul)	Ton	0	2500	2500	\$14.00	\$35,000.00
403 HBP (Gr S)(76)(64-28)	Ton	0	17,050	17050	\$40.00	\$682,000.00
900 Additional Overhead	LS	0	1	1	\$25,000.00	\$25,000.00

TOTAL ESTIMATED INCREASED COST TO PROJECT \$775,000.00

All work will be performed in accordance with the Contract for this project and the following attached provisions:

1) Project Special Provision, Revision of Section 401 - Plant Mix Pavements, and

2) Project Special Provision, Revision of Section 403 – Hot Bituminous Pavements.

Twenty-five working days will be added for this work. The Contractor will be compensated \$25,000.00/lump sum for additional overhead. This includes additional costs for Superintendent, trailer rental, phones, gas, fax machine, drinking water, and other miscellaneous items, as listed on the attached justification from the Contractor.

The Contractor will provide additional bonding to cover this extension at no additional cost.

The Contractor accepts this Change Order for work to be performed and prices on which payment is to be based.						
REQUIRED IN ACCORDANCE WITH INSTI IN THE CDOT CONSTRUCTION MAN		REQUIRED FOR ALL CHANGE ORDERS				
Approved by FHWA Operations Engineer:	Date:	Authorized by Project Engineer:	Date:			
OPTIONAL		Contractor Representative:	Date:			
Approved by Region Transportation Director:	Date:	Approved by Resident Engineer:	Date:			
·		Participating Non-participating Particip	ation as noted			
		Approved Funding by Region Program Engineer:	Date:			

			MEMORANDUM	/		
DEPARTMENT	OF TRANSPORTATIO	N		7		
4201 E. Arkansas Denver, Colorado Phone 303-757-90	80222		DEPARTMENT OF TRANSFORT			
DATE:	July 4, 2001		RE: 11111 / NH 66-063 Route 66 - East			
TO:	(Resident Enginee	r or Program Engineer a	as per Region requirements)			
FROM:	(Project Engineer)					
SUBJECT:	Contract Modificati	ion Order #7, Design Ch	nange-Wall B			
This change of anchor stabiliz		liminate retaining Wall B	3 and to construct a rock cut on a 0.5:1 slope with	rock		
As part of the Right-of-Way Agreement with The Bluffers Homeowners Association, CDOT agreed not to disturb a rock outcropping along a cut slope between Station 589 and Station 591 left. Consultant Design Engineering included a ground nail wall at this cut in order to comply with the Agreement. A field investigation by the Project Engineer revealed that a 0.5:1 cut slope could be constructed at significant cost savings while still meeting the Department's commitment to the locals. Ron Anders of Staff Geotechnical agreed that a slope would be stable on a 0.5:1 with rock anchors.						
Contractor for attached. Con	expenses already in npensation for unclas	curred for the wall const ssified excavation and ro	rock anchors, and a lump sum settlement with the truction. A detailed tabulation of these expenses i ock anchors will be at Contract unit prices. We do efore, the quantity for this item will not be increase	is o not		
This work does	s not impact the critic	cal path; therefore, no ac	dditional time is required.			
			der is \$11,650,000.00 or 0.06 percent under the ial Statement. The budget summary is as follows:	:		
Current Projec	t Budget	\$11,656,459.00				
Projected Cost	ts to Completion	<u>\$11,650,000.00</u>				
Projected Surp	olus (Deficit)	\$6,459.00	0.06%			
A budget action will not be required for this change. In order to avoid a project delay, the Contractor has been directed by Form 105 to begin work. A copy of the completed Form 105 is attached.						
Development /	Area Engineer, on Jι	ine 26, 2001. Concurre	on Program Engineer and with Cal Tollan, Project ence was obtained from Dan Van Der Wagon, Pro rrence from Raoul Jesus of FHWA is attached.	iject		

COLORADO DEPARTMENT OF TRANSPORTATION	Project No.:         Project Code (SA#):           NH 66-063         11111			
CONTRACT MODIFICATION	Location: Route 66 - East			
ORDER	Date: July 4, 2001	Project Order No 7	D.:	
Contractor:	Estimated cost to project:			
Good Aim Construction	Increase Decrease (	\$195,019.00)		
Complete Address:	Total additional days allowed to com	plete work:	Federal Oversight?	
1455 Lost Road Aurora, Co 80011	0		🖾 Yes 🗖 No	
Modification Title:				
Design Change-Wall B				

Your Contract is hereby modified to include a design change at Wall B. This change order was written to eliminate the wall and to construct the slope on a 0.5:1 slope with rock anchor stabilization.

The work will consist of additional unclassified excavation, rock anchors, and a lump sum settlement for expenses already incurred for the wall construction. Compensation for unclassified excavation and rock anchors will be at Contract unit prices.

ITEM DESCRIPTION	<u>UNIT</u>	PREVIOUS QUANTITY	ADDED QUANTITY	REV. PLAN QUANTITY	UNIT PRICE	INCR. COST TO PROJECT	
INCREASE: 203 Unclassified Excavation	СҮ	500,271	2,900	503,171	\$3.90	\$11,310.00	
<u>DELETE</u> : 504 Ground Nail Wall	SF	10,258	(6,720)	3,538	\$33.60	(\$225,792.00)	
ADD: 900 Added Costs-Wall B Deletion	LS	0	1	1	\$19,463.00	<u>\$19.463.00</u>	
TOTAL ESTIMATED DECREASED COST TO PROJECT (\$195,019.00)							

This work does not impact the critical path, therefore, no additional time is required.

The Contractor accepts this Change Order for work to be performed and prices on which payment is to be based.					
REQUIRED IN ACCORDANCE WITH INSTRUCTIONS IN THE CDOT CONSTRUCTION MANUAL		REQUIRED FOR ALL CHANGE ORDERS			
Approved by FHWA Operations Engineer:	Date:	Authorized by Project Engineer: Date:			
OPTIONAL		Contractor Representative:	Date:		
Approved by Region Transportation Director:	Date:	Approved by Resident Engineer:	Date:		
		Participating Non-participating Particip	ation as noted		
		Approved Funding by Region Program Engineer:	Date:		

			MEMORANDUM			
DEPARTMENT	OF TRANSPORTATION					
4201 E. Arkansas Denver, Colorado Phone 303-757-90	80222		DEPARTMENT OF TRANSPORTATION			
DATE:	July 24, 2001		RE: 11111 / NH 66-063 Route 66 - East			
TO:	(Resident Engineer or	Program Engineer as	required by Region)			
FROM:	(Project Engineer)					
SUBJECT:	Contract Modification (	Order #6, Method of N	leasurement for Sediment Removal			
This change or force account.	rder was written to chang	ge the method of mea	surement for Sediment Removal from cubic yard to			
The plans require that sediment removal be paid on a cubic yard basis. Due to the large quantities of erosion bales and silt fence on this project, it is impractical and inefficient to measure and calculate the fractions of cubic yards at various locations. This was discussed with the Contractor who agreed to accept payment on a force account basis.						
There will be n	o additional cost for this	change order.				
This change de	oes not impact the critica	al path; therefore, no a	dditional time is required.			
The projected current allotme	cost for this project incluent as shown on the atta	iding this change orde ched Project Financial	r is \$11,650,000.00 or 0.06 percent under the Statement. The budget summary is as follows:			
Current Projec	t Budget	\$11,656,459.00				
Projected Cost	ts to Completion	<u>\$11,650,000.00</u>				
Projected Surp	olus (Deficit)	\$6,459.00	0.06%			
A budget action will not be required for this change. The Contractor has been directed by Form 105 to accept this change in method of measurement. A copy of the completed Form 105 is attached.						
This change order was discussed with Rock Howell, Region Program Engineer and with Hamid Sullivan, Project Development Area Engineer, on July 21, 2001.						

COLORADO DEPARTMENT OF TRANSPORTATION CONTRACT MODIFICATION			Project No.: Project Code (SA#): NH 66-063 11111			
			Location:			
ORDER		Date:	Route 66 - East           Date:         Project Order No.:			
Contractor		July 4, 2001	l cost to project:	6		
Contractor: Good Aim Construction		🔲 Increase	Decrea			
Complete Address: 1455 Lost Road Aurora, Co 80011		Total addition	onal days allowed	d to complete wo	rk: Federal	Oversight?
Modification Title:		¥				
Method Of Measurement for Sediment Remov						
Your Contract is hereby modified to char	nge the method of m	neasurement fo	or sediment rem	noval from cubic	c yard to force ac	count.
The items affected by this change are as	follows:					
ITEM DESCRIPTION	PREVIOUS	ADDED QUANTITY	REV. PLAN QUANTITY	UNIT PRICE	INCR. COST TO PROJECT	
		QUANTIT	QUANTIT		TOPHOJECT	
DELETE: 250 Sediment Removal	CY 2,000	(2,000)	0	\$10.00	(\$20,000.00)	
200 Obumbh Homoval	2,000	(2,000)	Ŭ	φ10.00	(\$20,000.00)	
ADD: 900 Sediment Removal	FA 0	20,000	20,000	\$1.00	<u>\$20.000.00</u>	
				·		
	TOTAL ES	STIMATED INC	REASED COST	TO PROJECT	\$0.00	
This change does not impact the critical	path; therefore, no	additional time	is required.			
The Contractor accepts this Change Order for	r work to be performed	d and prices on w	hich payment is	to be based.		
REQUIRED IN ACCORDANCE WITH INSTRUCTIONS IN THE CDOT CONSTRUCTION MANUAL			REQUIRED FOR ALL CHANGE ORDERS			
Approved by FHWA Operations Engineer:	Date:	Authorized by F	Project Engineer:	:	Date:	
		Contractor Rep	resentative:			
OPTIONAL		•			Date:	
Approved by Region Transportation Director:	Date:	Approved by R	esident Engineer	r:	Date:	
	· · · ·	Participating	) 🗌 Non-pa	articipating	Participation a	s noted
		Approved Fund	ling by Region P	rogram Engineer:	Date:	

MEMORAND **DEPARTMENT OF TRANSPORTATION** 4201 E. Arkansas Avenue Denver, Colorado 80222 Phone 303-757-9011 DATE: October 25, 2000 Re: 11111/NH 66-066 Route 66-South TO: (Resident Engineer or Program Engineer per Region requirements) FROM: (Project Engineer) SUBJECT: Contract Modification Order #11, Administrative Claim Settlement This change order was written to settle a claim brought by the Contractor for delays, disruptions, and recoup of liquidated damages. The Contractor initially requested \$450,000 for delays and disruptions caused by right-ofway acquisition, utility relocation, design changes, and Prebbles mouse trapping. In addition, in the last stages of the project, the Contractor incurred \$70,000 of the liquidated damages they feel were beyond their control. Without admitting liability or fault, CDOT has agreed to an administrative settlement in order to avoid additional costs regarding this claim. As agreed to by the parties involved, a lump sum payment of \$50,000 will be made to the Contractor on the final estimate for the delays and disruption portion of the claim. In addition, CDOT will amend time charges to reflect no liquidated damages. Complete details of this claim will be maintained in the claim package of the project records. The projected cost for this project including this change order is \$11,447,082.96 or 1.5 percent under the current allotment as shown on the attached Project Financial Statement. The budget summary is as follows: **Current Project Budget** \$11,625,259.00 Projected Costs to Completion \$11,447,082.96 **Projected Surplus (Deficit)** \$178,176.04 (1.5%)This administrative settlement was recommended and approved by Gene Overseer, Chief Engineer, on September 20, 2000. Concurrence was obtained from Brent Ripperton, Region Program Engineer, and from Jess Coolguy, Region Transportation Director, on September 20, 2000. This change order was discussed with Jimmy Cero, Project Development Area Engineer, on September 5, 2000. FHWA pre-approval is not required for this change order, because the total cost is less than \$250,000.00. A budget action will not be required as a result of this change order.

COLORADO DEPARTMENT OF TRANSPORTATION CONTRACT MODIFICATION		Project No.: NH 66-066	Project No.: NH 66-066		Project Code (SA#): 11111	
		Location: Route 66-South				
ORDER		Date:	Date: Project Order No.:			
Contractor:		Estimated c	ost to project:	11		
Good Aim Construction Inc. Complete Address:	· · · · · · · · · · · · ·		Decrease Decrease		Federal Oversight?	
666 Lost Road Aurora, Co 80011 Modification Title:		0			Yes No	
Administrative Claim Settlement						
This change order was written to settle a c CDOT has agreed to an administrative set	laim brought by the tlement as follows:	Contractor fo	r delays, disrupti	ions, and recoup	of liquidated damages.	
A lump sum payment of \$50,000.00 will be claim. In addition, CDOT will amend time	made to the Contr charges to reflect n	ractor on the fi to liquidated d	nal estimate for t amages.	the delays and di	sruption portion of the	
The items affected by this change are liste	d below:					
ITEM DESCRIPTION UN	PREVIOUS	ADDED QUANTITY	REV. PLAN QUANTITY	UNIT PRICE	INCR. COST TO PROJECT	
ADD: 900 Claim Settlement	LS 0	1	1	\$50,000.00	<u>\$50.000.00</u>	
	TOTAL ES	TIMATED INCI	REASED COST T	O PROJECT	\$50,000.00	
By signing below, the Contractor accepts t	hia ahanga aa full s	and final actile	ment of this slair	-		
by signing below, the contractor accepts t	nis change as run a		ITIGITE OF UTIS CIQU			
2						
L						
The Contractor accepts this Change Order for v	· · · · · · · · · · · · · · · · · · ·	and prices on w	hich payment is to	be based.		
REQUIRED IN ACCORDANCE WITH INS IN THE CDOT CONSTRUCTION M	-		R ALL CHANGE C	PRDERS		
Approved by FHWA Operations Engineer:	Date:	Authorized by P	roject Engineer:		Date:	
OPTIONAL		Contractor Rep	resentative:		Date:	
Approved by Region Transportation Director:	Date:	Approved by Re	esident Engineer:		Date:	
		Participating	Non-parti	cipating	Participation as noted	
		Approved Fund	ing by Region Pros	gram Engineer:	Date:	

MEMORAI DEPARTMENT OF TRANSPORTATION 4201 E. Arkansas Avenue Denver, Colorado 80222 Phone 303-757-9011 RE: 11111 / NH 66-063 DATE: August 31, 2001 Route 66 - East TO: (Resident Engineer or Program Engineer as per Region requirements) FROM: (Project Engineer) SUBJECT: Contract Modification Order #9, Correction of Design Error This change order was written to correct a design error. After a 24-inch culvert had been installed at Station 66+50 right, the owner of the water rights carried by this culvert contacted the Project Engineer and stated that the culvert was inadequate to handle the required flow. Investigation revealed that the upstream culvert was a 30-inch corrugated metal pipe, although shown on the plans as a 24-inch pipe. The basis of payment will be at the negotiated unit price of \$40.00/linear foot. This is reasonable when compared to the average bid price of \$41.00/linear foot from the 2000 Cost Data Book. Payment for removal of the previously placed 24-inch culvert will be at the unit bid price for removal of culvert. This change does not impact the critical path; therefore, no additional time is required. The projected cost for this project including this change order is \$1,650,000.00 or 0.4 percent under the current allotment as shown on the attached Project Financial Statement. The budget summary is as follows: Current Project Budget \$1,656,459.00 Projected Costs to Completion \$1,650,000.00 **Projected Surplus (Deficit)** \$6,459.00 0.4% A budget action will not be required for this change. The Contractor has been directed by Form 105 to begin this work. A copy of the completed Form 105 is attached. This change order was discussed with Rock Howell, Region Program Engineer and with Gary Ward, Project Development Area Engineer, on July 21, 2001.

COLORADO DEPARTMENT OF TRANSPORTATION			Project No.: NH 66-063		Project ( 11111	Project Code (SA#):	
<b>CONTRACT MODIFIC</b>	ATIC	<b>N</b>	Location:				
ORDER			Date:	Route 66 - East           Date:         Project Order No.:			
Contractor:			August 21, 2 Estimated co	001 ost to project:	9		
Good Aim Construction			🛛 Increase	Decreas			
Complete Address: 1455 Lost Road Aurora, Co 80011				nal days allowed	to complete wor	K: Federal Oversight?     X   Yes	
Modification Title: Design Error Correction for Culvert							
Your Contract is hereby modified to include the correction of a design error at Station 64+50 right.							
The work will consist of removing the previously placed 24-inch culvert and installing a 30-inch culvert. All work will be performed in accordance with the Contract Specifications.							
The items affected by this change are	as follo	vs:					
		PREVIOUS	ADDED	REV. PLAN		INCR. COST	
ITEM DESCRIPTION	<u>UNIT</u>	QUANTITY	QUANTITY	QUANTITY	UNIT PRICE	TO PROJECT	
INCREASE: 202 Removal of Culvert	LF	305	60	365	\$6.00	\$360.00	
					+		
ADD: 617 30-inch Culvert Pipe	LF	0	60	60	\$40.00	\$2.400.00	
817 So-Inch Cuivent Pipe	LF	U	60	00	\$40.00	<u> <del>9</del>2.400.00</u>	
		TOTAL ES	TIMATED INC	REASED COST	TO PROJECT	\$2,760.00	
This work does not impact the critical	path; the	erefore, no addi	tional time is r	equired.			
1							
The Contractor accepts this Change Order	for work	to be performed a	and prices on wi	nich payment is to	be based.		
REQUIRED IN ACCORDANCE WITH IN THE CDOT CONSTRUCTIO			····	REQUIRED FO	R ALL CHANG	E ORDERS	
Approved by FHWA Operations Engineer:			Authorized by P	roject Engineer:		Date:	
		- 4101					
OPTIONAL			Contractor Repr	esentative:		Date:	
Approved by Region Transportation Director	or:	Date:	Approved by Re	sident Engineer:		Date:	
	ł		Participating	Non-part	icipating	Participation as noted	
			Approved Fundi	ng by Region Pro	gram Engineer:	Date:	

MEMORANI DEPARTMENT OF TRANSPORTATION 4201 E. Arkansas Avenue Denver, Colorado 80222 Phone 303-757-9011 DATE: September 30, 2001 RE: 11111 / NH 66-063 Route 66 - East TO: (Resident Engineer or Program Engineer as per Region requirements) FROM: (Project Engineer) SUBJECT: Contract Modification Order #10, Mudslide Repair and Stabilization Heavy rains on the night of September 27, 2001 caused a mudslide between Station 72+00 and Station 74+00 right. This change order provides for the performance of all work necessary to repair and stabilize the cut slope and roadway damaged by the slide. The work will include unclassified excavation, rounding of the cut slope, replacement of a Class I sign, removal and replacement of damaged concrete pavement, and roadway sweeping. Payment for unclassified excavation will be at the negotiated unit price of \$10.00/cubic yard for approximately 2000 cubic yards. This is reasonable when compared to the average bid price of \$14.00/cubic yard for similar quantities in the 2000 Cost Data Book. Rounding of the cut slope will be included in the price of unclassified excavation. Payment for replacement of the Class I Sign will be at the unit bid price for Removal of Ground Sign, Sign Panel Class I, and Steel Sign Post (2 inch round). Payment for removal and replacement of the concrete pavement will be at the negotiated unit price of \$36.00/square yard. This is reasonable when compared to the average bid price for removal of concrete pavement from the 2000 Cost Data Book plus the unit bid price for concrete pavement. Roadway sweeping will be paid at the negotiated price of \$45.00/hour. This is reasonable as shown on the attached force account analysis. This change will delay a construction phasing switch by three working days. Therefore three working days of additional time will be required. The Contractor will be compensated \$1600.00/lump sum for additional overhead. This includes additional costs for Superintendent, trailer rental, phones, gas, fax machine, drinking water, and other miscellaneous items as listed on the attached justification from the Contractor. The projected cost for this project including this change order is \$1,650,000.00 or 0.4 percent under the current allotment as shown on the attached Project Financial Statement. The budget summary is as follows: Current Project Budget \$1,656,459.00 Projected Costs to Completion \$1.650.000.00 0.4% Projected Surplus (Deficit) \$6,459.00 A budget action will not be required for this change. The Contractor has been directed by Form 105 to begin this work. A copy of the completed Form 105 is attached. This change order was discussed with Rock Howell, Region Program Engineer and with Gary Ward, Project Development Area Engineer, on July 21, 2001.

COLORADO DEPARTMENT OF TRANSPORTATION	Project No.:         Project Code (SA#):           NH 66-066         11111					
CONTRACT MODIFICATION	Location: Route 66-South					
ORDER	Date: Project Order No.: September 30, 2001 10					
Contractor: Good Aim Construction	Estimated cost to project:	\$30,142.00				
Complete Address: 14555 Lost Road Aurora, Co. 80011	Total additional days allowed to com 3	plete work:	Federal Oversight?			
Modification Title: Mudslide Repair and Stabilization						
Your Contract is hereby modified to include work to repair the cut slope and roadway damaged by the mudslide on September 27, 2001, between Station 72+00 and Station 74+00 right.						
The work will include unclassified excavation, rounding of the cut slope, replacement of a Class I sign, removal and replacement of damaged concrete pavement, and roadway sweeping. Rounding of the cut slope will be included in the price of unclassified excavation.						

Three working days will be added for this work.

The items affected by this change order are as follows:

ITEM DESCRIPTION	<u>UNIT</u>	PREVIOUS QUANTITY	ADDED QUANTITY	REV. PLAN QUANTITY	UNIT PRICE	INCR. COST TO PROJECT
ADD:						
203 Unclassified Excavation (CIP)	СҮ	0	2000	2000	\$10.00	\$20,000.00
900 Mechanical Broom	HR	0	4	4	\$45.00	\$180.00
900 Remove and Replace Concrete	SY	0	225	225	\$36.00	\$8,100.00
900 Additional Overhead	LS	0	1	1	\$1,600.00	\$1,600.00
INCREASE:						
202 Removal of Ground Sign	EA	25	1	26	\$50.00	\$50.00
614 Sign Post (2 inch round)	LF	100	12	112	\$9.00	\$108.00
614 Sign Panel (Class I)	SF	350	8	358	\$13.00	\$104.00
		TOTAL ES		REASED COST	TO PROJECT	\$30,142.00

REQUIRED IN ACCORDANCE WITH INSTRUCTIONS IN THE CDOT CONSTRUCTION MANUAL		REQUIRED FOR ALL CHANGE ORDERS		
Approved by FHWA Operations Engineer:	Date:	Authorized by Project Engineer:	Date:	
OPTIONAL		Contractor Representative:	Date:	
Approved by Region Transportation Director:	Date:	Approved by Resident Engineer:	Date:	
		Participating Non-participating Partic	cipation as note	
		Approved Funding by Region Program Engineer:	Date:	

## July 2002

			MEMORANDUM			
DEPARTMENT	OF TRANSPORTATION	l				
4201 E. Arkansas Denver, Colorado Phone 303-757-90	80222		DEPARTMENT OF TRANSPORTATION			
DATE:	October 16, 2001		RE: 11111 / NH 66-063 Route 66 - East			
TO:	(Resident Engineer	or Program Engineer a	as per Region requirements)			
FROM:	(Project Engineer)					
SUBJECT:	Contract Modification Order #11, Right-of-Way Agreement-Fence Change					
The Right-of-Way Agreement with the owners of Parcel 46 required that Fence Combination Wire be placed between Right-of-Way Point 165 and Right-of-Way Point 166. The plans called for Fence Barbed Wire to be placed in this location. This change order authorizes the Contractor to install Fence Combination Wire instead of Barbed Wire.						
	vhen compared to the		ated price of \$6.00/linear foot for 500 linear feet. This \$5.90/linear foot from the <i>2000 Cost Data Book</i> for			
This change do	pes not impact the crit	ical path; therefore no	additional time is required.			
			der is \$1,650,000.00 or 0.4 percent under the current ement. The budget summary is as follows:			
Current Project	t Budget	\$1,656,459.00				
Projected Cost	s to Completion	<u>\$1,650,000.00</u>				
Projected Surp	lus (Deficit)	\$6,459.00	0.4%			
A budget action	n will not be required f	or this change.				
The Contractor has been directed by Form 105 to begin this work. A copy of the completed Form 105 is attached.						
	rder was discussed wi Area Engineer, on Sep		on Program Engineer and with Kevin McGhee, Project			

COLORADO DEPARTMENT OF TRANSPORTATION			Project No.: NH 66-066		Project Code (SA#): 11111		
CONTRACT MODIFICATIO		Loca	Location: Route 66-South				
ORDER		Date	:			Project Order No.:	
Contractor:		Estin	ember 30, 2001 nated cost to proj		11		
Good Aim Construction Complete Address:			additional days a		250.00 blete work:	Federal Oversight?	
14555 Lost Road Aurora, Co. 80011 Modification Title:		0	· · · · · · · · · · · · · · · · · · ·			Yes 🗌 No	
ROW Agreement-Fence Change							
Your Contract is hereby modified to include F	ence Combine	ation Wire	between Right	-of-Way Point	165 and Right-	of-Way Point 166.	
The Contractor's signature below indicates a claims for additional impact costs associated					oth direct and ir	direct costs. Any	
No additional time will be allowed for this wor	rk.						
The items affected by this change order are a	as follows:						
		EVIOUS	ADDED	REV. PLAN		INCR. COST	
ITEM DESCRIPTION	<u>UNIT</u> <u>QL</u>	JANTITY	QUANTITY	QUANTITY	UNIT PRICE	TO PROJECT	
ADD:							
607 Fence Comb Wire w/ Metal Posts	LF	0	500	500	\$6.00	\$3,000.00	
DECREASE:							
607 Fence Barbed Wire w/ Metal Posts	LF	5000	-500	4500	\$5.50	(\$2,750.00)	
	-	TOTAL ES		REASED COST	TO PROJECT	\$250.00	
The Contractor accepts this Change Order for wor REQUIRED IN ACCORDANCE WITH INSTR		ed and price		· · · · · · · · · · · · · · · · · · ·			
IN THE CDOT CONSTRUCTION MAN					CHANGE ORDE	RS	
Approved by FHWA Operations Engineer:	Date:	Authoriz	ed by Project Eng	gineer:		Date:	
OPTIONAL		Contract	tor Representativ	<del>0</del> :		Date:	
Approved by Region Transportation Director:	Date:	Approve	d by Resident En	ngineer:		Date:	
	L	Partic	cipating	Non-participatin	g 🔲 Partio	pipation as noted	
		Approve	d Funding by Re	gion Program E	ngineer:	Date:	

			M	EMORANDUM			
DEPARTMENT	OF TRANSPORTATION						
4201 E. Arkansas / Denver, Colorado & Phone 303-757-90	30222			DEPARTMENT OF TRANSPORTATION			
DATE:	October 16, 2001 RE: 11111 / NH 66-063 Route 66 - East						
TO:	(Resident Engineer o	r Program Engineer	as per Region re	quirements)			
FROM:	M: (Project Resident Engineer)						
SUBJECT: Contract Modification Order #12, Relocate 24-inch Water Line (Utility Adjusted)							
This change order authorizes the Contractor to pay the City of Ft. Morgan to relocate their 24-inch water line. The line is located between Station 486+15 and Station 584+00; 9.5 feet left of the proposed centerline, and 2 feet above finished grade. CDOT was unaware of this line until the City pointed out the location at the Preconstruction Conference. The Region Utilities Engineer was contacted, and she determined that the work is eligible for reimbursement.							
The City has pr	ovided an estimate for	this work of \$490,00	0. A copy of this	estimate is attached.			
	additional time will be install and test the wa		<. It will take the	City five days to obtain the materials			
be the actual di	rect and indirect cost of	of performing the wo	k in accordance	the Contractor. The Utility invoice will with established accounting 109.04 of the <i>Standard</i>			
The projected of allotment as sh	cost for this project inc own on the attached F	luding this change or Project Financial State	der is \$5,355,218 ement. The budg	3.00 or 10.1 percent over the current get summary is as follows:			
Current Project	Budget	\$4,865,218.00					
Projected Cost	s to Completion	<u>\$5,355,218.00</u>					
Projected Surp	lus (Deficit)	(\$490,000.00)	10.1%				
Need to submit Form 1186.							
In order not to delay the project, the Contractor has been directed by Form 105 to begin this work. A copy of the completed Form 105 is attached.							
This change order was discussed with Rock Howell, Region Program Engineer and with Don Radel, Project Development Area Engineer, on September 30, 2001.							

COLORADO DEPARTMENT OF TRANSPORTATION			ect No.: 6-066		Project Code (SA#):		
	ONTRACT MODIFICATION		tion:		11111	1111	
ORDER		Date	Route 66-South Date: Project Ord			Drder No.:	
Contractor:		Estin	ber 16, 2001 nated cost to pro		12		
Good Aim Construction Complete Address:		🛛 🖾 Ir		Decrease 1	490,000.00 blete work:	Federal Oversight?	
14555 Lost Road Aurora, Co. 80011 Modification Title:		15				Yes No	
Relocate 24-inch Water Line (Utility Adjusted)							
Your Contract is hereby modified to include the relocation of the 24-inch water line between Station 486+15 and Station 584+00. The City of Ft. Morgan will perform this work. The City will submit certified invoices to the Contractor for payment. These invoices shall be the actual direct and related indirect costs of performing the work in accordance with established accounting procedures. CDOT will reimburse the Contractor by force account for the certified invoices plus administrative loading per subsection 109.04 of the <i>Standard Specifications</i> .							
The Contractor will provide additional bondin	g to cover the co	st of thi	s work at no co	est to the proje	ct.		
Fifteen days will be added for this work.							
The items affected by this change order are	as follows:						
ITEM DESCRIPTION		VIOUS NTITY	ADDED QUANTITY	REV. PLAN QUANTITY	UNIT PRICE	INCR. COST TO PROJECT	
ADD:							
900 Relocate Water Line	FA	0	490,000	490,000	\$1.00	\$490,000.00	
	то	TAL ES		EASED COST	TO PROJECT	\$490,000.00	
The Contractor accepts this Change Order for wor	k to be performed a	nd price	s on which paym	ent is to be bas	ed.		
REQUIRED IN ACCORDANCE WITH INSTR IN THE CDOT CONSTRUCTION MAN	UAL				CHANGE ORDEI	RS	
Approved by FHWA Operations Engineer:	Date:	Authorize	ed by Project Eng	yineer:		Date:	
OPTIONAL	c	Contracto	or Representative	Э:		Date:	
Approved by Region Transportation Director:	Date:	pproved	d by Resident En	gineer:		Date:	
	· [ [	Partic	ipating	ion-participating	Partic	ipation as noted	
	A	\pproved	l Funding by Reg	gion Program Ei	ngineer:	Date:	

C-25

MEMORANI **DEPARTMENT OF TRANSPORTATION** 4201 E. Arkansas Avenue Denver, Colorado 80222 Phone 303-757-9011 DATE: RE: 11111 / NH 66-063 October 16, 2001 Route 66 - East TO: (Resident Engineer or Program Engineer as per Region requirements) FROM: (Project Resident Engineer) SUBJECT: Contract Modification Order #12, Relocate 24-inch Water Line (Contractor Adjusted) This change order authorizes the Contractor to relocate a 24-inch water line owned by the City of Ft. Morgan. The line is located between Station 486+15 and Station 584+00; 9.5 feet left of the proposed centerline, and 2 feet above finished grade. CDOT was unaware of this line until the City pointed out the location at the Preconstruction Conference. The Region Utilities Engineer has determined that the work is eligible for reimbursement. The Region Utilities Engineer has also obtained a Contractor-Adjusted Utility Agreement with the City of Ft. Morgan to cover this work. Payment will be made based on the negotiated unit price of \$50.00/linear foot for approximately 9785 linear feet. This is reasonable when compared to the average bid price of \$55.00/linear foot from the 2000 Cost Data Book for similar quantities. Fifteen days of additional time will be required for this work. It will take the Contractor five days to obtain the materials and ten days to install and test the water line. The Contractor will be compensated \$15,000.00/lump sum for additional overhead. This includes additional costs for Superintendent, trailer rental, phones, gas, fax machine, drinking water, and other miscellaneous items as listed on the attached justification from the Contractor. The projected cost for this project including this change order is \$5,065,218.00 or 4.1 percent over the current allotment as shown on the attached Project Financial Statement. The budget summary is as follows: Current Project Budget \$4,865,218.00 Projected Costs to Completion \$5.065,218.00 Projected Surplus (Deficit) (\$200,000.00) 4.1% Need to submit Form 1186. In order not to delay the project, the Contractor has been directed by Form 105 to begin this work. A copy of the completed Form 105 is attached.

This change order was discussed with Rock Howell, Region Program Engineer and with Don Radel, Project Development Area Engineer, on September 30, 2001.

		Project No.: Project Code (S/ NH 66-066 11111			<b>A#):</b>			
<b>CONTRACT MODIFICATI</b>	ON		Location:					
ORDER			Route 66-South Date: Project Order No			D.:		
Contractor:	· · · .			er 16, 2001 ated cost to proj	ect:	12		
Good Aim Construction			🛛 In	crease 🔲 🛙	Decrease S	504,250.00		
Complete Address: 14555 Lost Road Aurora, Co. 80011			Total 15	additional days a	allowed to com	plete work:	Federal Ove	ersight?
Modification Title: Relocate 24-inch Water Line (Contractor Adjusted	)							
Your Contract is hereby modified to include t The Contractor will provide additional bondin	the relocation						Station 584+	-00.
Fifteen days will be added for this work. The includes additional costs for Superintendent, as listed on the attached justification from the	trailer rental,							
The items affected by this change order are	as follows:							
ITEM DESCRIPTION				ADDED QUANTITY	REV. PLAN QUANTITY		INCR. CO <u>TO PROJI</u>	
ADD:								
900 Relocate Water Line	LF		0	9785	9785	\$50.00	\$489,250	
900 Additional Overhead	LS	тот	0			\$15,000.00 T TO PROJECT	\$15,000 \$504,250	
		1017					<b>400</b> 4,200	
The Contractor accepts this Change Order for wo		ed an	d price	s on which paym	ent is to be bas	sed.		:
REQUIRED IN ACCORDANCE WITH INSTRUCTIONS IN THE CDOT CONSTRUCTION MANUAL				REQUI	RED FOR ALL	CHANGE ORDE	RS	
Approved by FHWA Operations Engineer:	Date:	Au	ithorize	d by Project Eng	jineer:		Date:	
OPTIONAL		Co	ontracto	or Representative	):		Date:	
Approved by Region Transportation Director:	Date:	Ap	provec	by Resident En	gineer:		Date:	
	<b>L</b>	10	Partic	ipating 🔲 N	Ion-participatin	g 🗌 Partic	ipation as no	ted
		Ap	provec	I Funding by Reg	jion Program E	ngineer:	Date:	

MEMORAN DEPARTMENT OF TRANSPORTATION 4201 E. Arkansas Avenue Denver, Colorado 80222 Phone 303-757-9011 DATE: October 18, 2001 RE: 11111 / NH 66-063 Route 66 - East TO: (Program Engineer) FROM: (Region Utilities Engineer) SUBJECT: Contract Modification Order #U1, Increased Cost of Waterline This change order authorizes payment of an additional \$4,000.00 to the City of Chambersburg Water Department for the increased cost of relocating their waterline. The original agreement dated August 15, 2000 authorized payment in the amount of \$86,750.00 for the relocation of the 48-inch waterline. During construction, the Utility Contractor encountered very unstable soil that increased the cost of this relocation. It is estimated that the increased cost will be \$4,000.00 The Water Department will submit a certified invoice for the actual cost of this extra work after completion. Payment will be made for actual direct and related indirect costs in accordance with established accounting procedures. The projected cost for this project including this change order is \$5,355,218.00 or 0.1 percent over the current allotment as shown on the attached Project Financial Statement. The budget summary is as follows: **Current Project Budget** \$5,351,218.00 Projected Costs to Completion \$5,355,218.00 **Projected Surplus (Deficit)** (\$4,000.00) 0.1% This work associated with this change has been completed. No additional time is required for this change. This change order was discussed with Rock Howell, Region Program Engineer and with Don Radel, Project Development Area Engineer, on September 30, 2001.

COLORADO DEPARTMENT OF TRANSPORTATION		Project No.:         Project Code (SA#):           NH 66-066         11111				
CONTRACT MODIFICATIO	NC	Location: Route 66-South				
ORDER		Date:	Project Order No.	:		
Contractor:		October 18, 2001 Estimated cost to project:				
Chambersburg Water Department Complete Address:		Total additional days allowed to com		Federal Ove		
4555 Main Street Chambersburg, CO. 8111 Modification Title:	1	0		X Yes	□ No	
Increased Cost of Waterline						
This change order authorizes an increase in y of unstable soil conditions. The new total of y			litional costs relat	ed to correc	ction	
The Water Department will submit a bill with a be made for actual direct and related indirect				n. Paymen	t will	
			·····			
The Contractor accepts this Change Order for work		and prices on which payment is to be ba	sed.			
REQUIRED IN ACCORDANCE WITH INSTRUCTIONS IN THE CDOT CONSTRUCTION MANUAL		REQUIRED FOR ALL	. CHANGE ORDER	S		
Approved by FHWA Operations Engineer:	Date:	Authorized by Project Engineer:		Date:		
OPTIONAL		Contractor Representative:		Date:		
Approved by Region Transportation Director:	Date:	Approved by Resident Engineer:		Date:		
		Participating Non-participatin	ng 🔲 Partici	pation as not	ted	
		Approved Funding by Region Program E	Engineer:	Date:		

			ME	MORANDUM			
DEPARTMENT	OF TRANSPORTATIO	N					
4201 E. Arkansas Denver, Colorado Phone 303-757-9	80222			DEPARTMENT OF TRANSFORTATION			
DATE:	July 25, 2001 Re: 11111/NH 66-066 Route 66-South						
TO:	(Resident Enginee	r or Program Enginee	as per Region require	ments)			
FROM:	(Project Engineer)						
SUBJECT:	JBJECT: Contract Modification Order #14, Traffic Control Plan Change						
This change o	rder is written to auth	orize a major revision	to the Traffic Control F	Plan.			
from the cut at between the h	rea to the fill area. S	pecifications for this pr	oject limit the time the	aul trucks to pass under the roadway Contractor may interfere with traffic he traveling public and allow the			
detour will be of to allow the tru completion of	constructed over this ucks to pass through.	box. The existing pay Traffic will be maintain, the structure will be r	oment and embankme ined on this added deto	alignment. After backfilling, a ent at the box outlet will be excavated our for the duration of Phase I. Upon vation will be backfilled in accordance			
A licensed eng	gineer in the State of	Colorado designed the	e structure for the Cont	ractor.			
The proposed posted speed	alignment and traffic of this road. The cha	control plan changes anges have been attac	have been reviewed ar hed.	nd are acceptable, as revised, for the			
All costs asso	ciated with this chang	ge shall be the respons	ibility of the Contractor				
There will be r	no additional time or o	cost due to this change	Э.				
				007.38 or 0.3 percent over the udget summary is as follows:			
Current Project	ct Budget	\$13,400,000.00					
Projected Cos	ts to Completion	<u>\$13,445,007.38</u>					
Projected Sur	plus (Deficit)	(\$45,007.38)	(0.3%)				
The Contracto	r will not begin work	on this change until re	ceiving an approved Fo	orm 90.			
This change order was discussed with Abby Butment, Staff Bridge Engineer on July 2, 2001. This change order was discussed with the Jimmy Cero, Project Development Area Engineer on July 4, 2001. Concurrence was obtained from Rob Crawford, Project Manager, Matt Bemelen, Region Traffic Engineer, and John Cheney, Region Program Engineer on July 2, 2001.							

COLORADO DEPARTMENT OF TRANSPORTATION		Project No.: Project Code (SA#): NH 66-066 11111				
CONTRACT MODIFICATION		Location:				
ORDER	•	Route 66-South           Date:         Project Order No.:				
		July 25, 2001	14			
Contractor: Good Aim Construction		Estimated cost to project:	\$0.00			
Complete Address:		Total additional days allowed to com	plete work:	Federal Oversight?		
14555 Lost Road Aurora, Co. 80011 Modification Title:		0		Yes No		
Traffic Control Plan Change						
You are hereby authorized to make a major revisi will be in accordance with your approved Method implemented to accommodate a more efficient methauling across the road, the Contractor will be perhauling under the road.	of Handling T ethod of hauli	raffic (attached). The revised Training excavated material from the cu	ffic Control Plan w t area to the fill are	rill be ea. Instead of		
The structure will be constructed at Station 582+00, 40 feet left of existing centerline. After backfilling, a detour shall be constructed over this box. The existing pavement and embankment at the box outlet will be excavated to allow the trucks to pass through. Upon completion of the hauling operation, the Contractor shall backfill the excavation in accordance with the <i>Project Special Provisions</i> .						
A licensed engineer in the State of Colorado shall	design the s	tructure for the Contractor.				
No additional time will be allowed for this change.	All costs as	sociated with this change are the n	esponsibility of the	e Contractor.		
······································						
The Contractor accepts this Change Order for work to b	e performed ar	nd prices on which payment is to be ba	sed.			
REQUIRED IN ACCORDANCE WITH INSTRUCTI IN THE CDOT CONSTRUCTION MANUAL	IONS	REQUIRED FOR ALL	. CHANGE ORDER	s		
Approved by FHWA Operations Engineer: Dat	A	uthorized by Project Engineer:	· · · · · · · · · · · · · · · · · · ·	Data:		
	IG.	· · •		Date:		
OPTIONAL	c	ontractor Representative:		Date:		
Approved by Region Transportation Director: Dat	te: A	pproved by Resident Engineer:		Date:		
		Participating Non-participatin	ng 🗌 Particip	bation as noted		
	A	pproved Funding by Region Program B	Engineer:	Date:		
		- · · · ·		Date.		

## July 2002

			MEMORANDUM				
DEPARTMENT OF TRANSPORTATION							
4201 E. Arkansas Denver, Colorado Phone 303-757-90	80222	DEPARTMENT OF TRANSPORTATION					
DATE:	October 30, 2001 RE: 11111 / NH 66-063 Route 66 - East						
то:	(Resident Engineer	or Program Engineer a	as per Region requirements)				
FROM:	(Project Engineer)						
SUBJECT:	Contract Modification Order #10, Acceptance and Price Reduction of Hot Bituminous Pavement						
This change order authorizes the Contractor to leave 1800 tons of Hot Bituminous Pavement placed between Station 40+00 and Station 51+00 right in place at a price reduction. A price reduction equal to 28.5 percent of the unit bid price will be applied to this quantity of Hot Bituminous Pavement.							
requirements of Pavement was	of subsection 105.03. a 55, which is less th	The Lottman test resul	alt content was 0.90. This is within the specification It representing this quantity of Hot Bituminous rement of 70. The price reduction for the failing 03, is 28.5 percent.				
material. With	the concurrence of th	tion would require the r e Region Materials Eng e reduction for the follo	removal and replacement of the out of specification gineer, CDOT has decided to allow the material to owing reasons:				
This Hot B corridor pr		s part of a detour trans	sition alignment that will be removed as part of a future				
The compo	osite pay factor for der	nsity, gradation, and as	sphalt content was acceptable.				
	ituminous Pavement h No pavement degrada		ree weeks and has been subjected to high traffic				
No additional t	ime is required for this	change.					
			der is \$1,650,000.00 or 0.4 percent under the current ment. The budget summary is as follows:				
Current Projec	t Budget	\$1,656,459.00					
Projected Cos	ts to Completion	<u>\$1,650,000.00</u>					
Projected Surp	olus (Deficit)	\$6,459.00	0.4%				
A budget action will not be required for this change.							
This change order was discussed with Rock Howell, Region Program Engineer and with Gary LaForce, Project Development Area Engineer, on October 25, 2001.							

COLORADO DEPARTMENT OF TRANSPORTATION		Project No.:			Project Code (SA#):	
CONTRACT MODIFICATIO		NH 66-066 11111 Location:				
		Route 66-South				
ORDER	Date: October 30, 200	01	Project Ord	ier No.:		
Contractor:		Estimated cost	to project:			
Good Aim Construction Complete Address:		Total additional	days allowed to	\$20,520.00 complete work:	Federal Oversight?	
14555 Lost Road Aurora, Co. 80011 Modification Title:		0		· · · · · · · · · · · · · · · · · · ·	Yes 🗖 No	
Acceptance and Price Reduction for Hot Bituminou	is Pavement					
Your contract is hereby modified to include a between Station 40+00 and Station 51+00 rig CDOT will allow the Hot Bituminous Pavement	pht. A 28.5 perce	ent price reductio				
No time will be added for this change.						
The items affected by this change order are a	as follows:					
ITEM DESCRIPTION UN			REV. PLAN QUANTITY	UNIT PRICE	INCR. COST TO PROJECT	
ADD:						
900 Price Reduction for HBP TO	ON (C	-1800	-1800	\$11.40	(\$20,520.00)	
	TOTAL	ESTIMATED INCF	REASED COST	TO PROJECT	(\$20,520.00)	
					х. Х	
					:	
The Contractor accepts this Change Order for work	· · · · · · · · · · · · · · · · · · ·	and prices on which	n payment is to be	e based.		
REQUIRED IN ACCORDANCE WITH INSTR IN THE CDOT CONSTRUCTION MAN	UAL			ALL CHANGE C	RDERS	
Approved by FHWA Operations Engineer:	Date:	Authorized by Proje	ect Engineer:		Date:	
OPTIONAL	(	Contractor Represe	entative:		Date:	
Approved by Region Transportation Director:	Date:	Approved by Resid	ent Engineer:		Date:	
		Participating	Non-particip	pating	Participation as noted	
		Approved Funding	by Region Progra	am Engineer:	Date:	

				MEMORANDUM
DEPARTMENT	OF TRANSPORTATI	ON		
4201 E. Arkansas Denver, Colorado Phone 303-757-9	80222			DEPARTMENT OF TRANSPORTATION
DATE:	November 5, 200	1		RE: 11111 / NH 66-063 Route 66 - East
TO:	(Resident Engine	er or Program Engine	ər as pər Rəş	gion requirements)
FROM:	(Project Engineer	)		
SUBJECT:	Contract Modifica	tion Order #16, Purch	ase of Exces	ss Material
the amount of indicated that use to them.	seeding on the proj the supplier would n The Contractor also	ect, the Contractor ha	d an excess cause the gen aterial. The F	from the Contractor. Due to a change in of 80 pounds of the mix. The Contractor rmination date had passed and it was of no Region Maintenance Section was contacted it in the storeroom.
The basis of p	payment will be the c	ost of the material plu	is a handling	charge as justified by the attached invoice.
No additional	time is required for t	his change.		
The projected allotment as s	l cost for this project hown on the attache	including this change ad Project Financial St	order is \$1,6 atement. Th	50,000.00 or 0.4 percent under the current he budget summary is as follows:
Current Proje	ct Budget	\$1,656,459.00		
Projected Cos	sts to Completion	<u>\$1,650,000.00</u>		
Projected Sur	plus (Deficit)	\$6,459.00	0.4%	
A budget action	on will not be require	d for this change.		
	order was discussed Area Engineer, on N		gion Progran	n Engineer and with Hal Ghavan, Project

COLORADO DEPARTMENT OF TRANSPORTATION				de (SA#):	
CONTRACT MODIFICATIO	ON	Location: Route 66-South			
ORDER		Date: Project Order No.: November 5, 2001 16			der No.:
Contractor: Good Aim Construction		Estimated cost t		\$1650.00	
Complete Address:		Total additional	days allowed to		Federal Oversight?
14555 Lost Road Aurora, Co. 80011 Modification Title:		0			🛛 Yes 🗖 No
Purchase of Excess Materials					
Your Contract is hereby modified to include a	payment for exc	ess Wildflower S	eed Mix as sho	own below:	
Material Cost 80 pounds x \$20.00/pound Handling Cost	= \$1,600.00 <u>= \$ 50.00</u> \$1,650.00				
No additional time will be added for this work					
The items affected by this change order are a	as follows:				
	PREVIOUS		REV. PLAN		INCR. COST
ITEM DESCRIPTION UN	NIT QUANTITY	QUANTITY	QUANTITY	UNIT PRICE	TO PROJECT
ADD:					
900 Wildflower Seed Purchase	LS 0	1	1	\$1,650.00	\$1,650.00
	TOTAL E	ESTIMATED INCREASED COST TO PROJECT \$1,650.00			\$1,650.00
4					
The Contractor accepts this Change Order for wor	k to be performed a	nd prices on which	payment is to b	e based.	
REQUIRED IN ACCORDANCE WITH INSTR IN THE CDOT CONSTRUCTION MAN				ALL CHANGE (	DRDERS
Approved by FHWA Operations Engineer:		Authorized by Proje	ct Engineer:		Date:
OPTIONAL		Contractor Represe	ntative:		Date:
Approved by Region Transportation Director:	Date:	Approved by Reside	ent Engineer:		Date:
	<u> </u>	Participating	Non-partici	pating	Participation as noted
	/	Approved Funding I	by Region Progra	am Engineer:	Date:

			MEMORANDUM				
DEPARTMENT C	F TRANSPORTATION	····					
4201 E. Arkansas A Denver, Colorado & Phone 303-757-901	0222		DEPARTMENT OF TRANSPORTATION				
DATE:	May 25, 2001 Re: 11111/NH 66-066 Route 66-South						
TO:	(Resident Engineer o	or Program Engineer	as per Region requirements)				
FROM:	(Project Engineer)						
SUBJECT:	SUBJECT: Contract Modification Order #3, Sound Fence Value Engineering						
This change order authorizes a Value Engineering Proposal to install Fence Carsonite (Sound Barrier)(60 inch) in lieu of Fence Metal (Sound Barrier)(60 inch) between Station 400+00 and Station 405+75 right.							
The Value Engin	neering Proposal has	been accepted by the	Project Engineer based on the following:				
• The change	e will produce a savin	gs to the Department	of \$36,869.00.				
• The change	ə will provide a produ	ct with equivalent qua	lity and desired appearance.				
• The materia friendly.	als used are recycled	rubber and plastic.	he fence will be easy to maintain and environmentally				
submitted a cos		been reviewed and a	ear foot for 575 feet of fence. The Contractor has pproved by the Project Engineer. The Value Engineering				
This change will	I not impact the critica	al path of the project;	therefore, no additional time will be added.				
	nt as shown on the at		ge order, is \$12,193,128.79 or 0.5 percent under the ial Statement. No budget action is required. The budget				
Current Project	Budget	\$12,254,290.43					
Projected Costs	to Completion	<u>\$12,193,128.79</u>					
Projected Surple	us (Deficit)	\$61,161.64	(0.5%)				
This work has b	This work has been authorized to proceed in order not to delay the project.						
This change order was discussed with the Jimmy Cero, Project Development Area Engineer on July 4, 2001. Concurrence was obtained from Rob Crawford, Project Manager and John Cheney, Region Program Engineer on July 2, 2001.							

COLORADO DEPARTMENT OF TRANSPORTATION CONTRACT MODIFICATION ORDER			Project No.: NH 66-063		Project Code (SA#):		
		Locatio	on:	I	11111		
		Route Date:	Route 66 - East           Date:         Project Order No.:				
		May 28	May 25, 2001 3				
Contractor: Good Aim Construction			Estimated cost to project:				
Complete Address: 1455 Lost Road Aurora, Co 80011			Total additional days allowed to complete work:         Federal Oversight?           0         ☑ Yes         ☑ No				
Modification Title:	,	1.0					
Sound Fence Value Engineering							
Your Contract is hereby modified to change the Fence Metal (Sound Barrier)(60 inch) to Fence Carsonite (Sound Barrier)(60 inch) in accordance with your Value Engineering Proposal. This change affects the materials only. All other specifications pertaining to the sound barrier will remain the same.							
The items affected by this change are as follows:							
ITEM DESCRIPTION		REVIOUS MANTITY	ADDED QUANTITY	REV. PLAN QUANTITY		INCR. COST TO PROJECT	
DELETE: 607 Fence Metal(Sound Barrier)(60 inch)	LF	575	(575)	0	\$255.00	(\$146,625.00)	
ADD:							
900 Fence Carsonite(Sound Barrier)(60 inch)	LF	0	575	575	\$126.76	\$72,887.00	
900 Value Engineering Incentive	LS	0	1	1	\$36,869.00	<u>\$36,869.00</u>	
TOTAL ESTIMATED INCREASED COST TO PROJECT (\$36,869.00)							
This change does not impact the critical path; therefore, no additional time is required.							
The Contractor accepts this Change Order for work to be performed and prices on which payment is to be based.							
REQUIRED IN ACCORDANCE WITH INSTRUCTIONS IN THE CDOT CONSTRUCTION MANUAL							
Approved by FHWA Operations Engineer:	Date:	Authorized	I by Project Engli	neer:		Date:	
OPTIONAL			Contractor Representative:			Date:	
Approved by Region Transportation Director:	Date:	Approved	by Resident Eng	ineer:		Date:	
		Particip	Participating INon-participating Participation as noted				
		Approved	Funding by Regi	on Program E	ngineer:	Date:	

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**MEMORANDU DEPARTMENT OF TRANSPORTATION** 4201 E. Arkansas Avenue Denver, Colorado 80222 Phone 303-757-9011 DATE: December 4, 2001 RE: 11111 / NH 66-063 Route 66 - East TO: (Resident Engineer or Program Engineer as per Region requirements) FROM: (Project Engineer) SUBJECT: **Minor Contract Revisions** This change order was written to authorize the following minor contract revisions: LINE ITEM #1) Change Order #3 - ITEM 900-70035 MUCK EXCAVATION This item was added to compensate the Contractor for Muck Excavation between Station 453+00 and Station 455+00 left. This muck was created by existing drainage problems and was due to no fault of the Contractor. The excavated area is approximately 200 feet by 50 feet by six feet deep. Due to the difficulty in estimating the cost of this work, the work was performed by force account. The total estimated cost of this item is \$9,000.00. This item is participating. This item was performed concurrently with other work and did not require additional time. LINE ITEM #2) Change Order #5 - ITEM 210-01200 RESET END ANCHORAGE Approximately 463 linear feet of guardrail was removed at Station 414+00 to provide access to a planned fill area. The existing end anchorage had to be reset at the end of the remaining guardrail run. There was no item in the plans to pay for this work. The basis of payment for this item is the negotiated price of \$522,50/each for one anchor. For similar quantities, the average bid price from the 2000 Cost Data Book varied between \$525.00/each to \$600.00/each. Therefore, the price is reasonable. The total estimated cost of this item is 1 each @ \$552.50/each or \$522.50. This item is participating. This item was performed concurrently with other work and did not require additional time. LINE ITEM #3) Change Order #9 - ITEM 412-12320 Portland Cement Concrete Pavement SPECIFICATION CHANGE This item was added to allow a change to the Portland Cement Concrete Pavement specifications. The change to utilize the most current CDOT specification regarding sawing, sealing, and tining was recommended by the Region Materials Engineer. For all Portland Cement Concrete Pavement on this project, the Contractor shall comply with the attached sawing, sealing, and tining specification. The Contractor agreed to this change at no cost to the project. This item is participating. This item was performed concurrently with other work and did not require additional time.

Form 94 Discontinued.

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