

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES STATE EQUIPMENT FLEET HEADQUARTERS 2200 EAST 42ND AVE (RM#316) ANCHORAGE, ALASKA 99508

AMENDMENT No: One (1)

March 12, 2013

INVITATION TO BID: ITB SEF-1792 Contract for 68,000 lb GVWR Cab and Chassis

THE FOLLOWING SPECIFICATION and PRICE SCHEDULE CHANGES ARE NECESSARY:

Please refer to and use the amended specifications and price schedule that are included in this amendment when submitting your bid. The attachments include all required and or requested specification changes and also include updates to the price schedule.(for your convenience the specifications and price schedule have been formatted into a user enabled fillable PDF form All changes to specifications have been typed in *ITALICS and BOLD* Use of any previously issued specifications or price schedule will cause your bid to be rejected.

A signed copy of this amendment and attached specifications and price schedule must accompany your bid.

This amendment consists of twelve (12) pages

Duane Felton (Signature on original) Contracting Officer II (907) 269-0788

Name of Company

Authorized Signature

Date

Amendment # 1 Revised Specification

		Specifications	<mark>(*)</mark>	Yes	No	Clarification/Deviation
1)	Eng	gine – Wet sleeved, liquid cooled - diesel				
	a)	Engine shall meet on-highway EPA emissions certifications for				
		current model year of engine being offered.				
	b)	Engine offered must be compatible with the transmission				
		requested in this ITB specification.				
	c)	Minimum displacement 11.9 liters.	<mark>(*)</mark>			
	d)	Minimum 350 hp. SAE gross horsepower.	<mark>(*)</mark>			
	e)	Minimum SAE peak torque 1450 lb. ft.	<mark>(*)</mark>			
	f)	Governed speed to be set to the manufactures standard	<mark>(*)</mark>			
	g)	Spin on or drop in cartridge type oil filter.				
	h)	Fan clutch automatic on/off.				
	i)	Engine compression brake.				
	j)	Air cleaner - dry filter type.				
	k)	Air cleaner restriction gauge or indicator is required.				
	I)	Equipped with manual two-way "Hot/Cold" air pickup, to draw				
		air from outside or under hood (hose disconnect or plug insert				
		is not acceptable).				
	m)	Automatic engine shut down system. Preprogrammed with 10				
		minute idle shut down.				
	n)	Front engine crankshaft PTO provision.				
	o)	Crankshaft PTO adapter, installed by the truck manufacturer to				
		accept SPICER Series 1310 universal.				
2)		naust System:				
		Vertical exhaust system with turn out or rain cap.				
	b)	Heat guard shield to cover from bottom of cab to top of door.				
	c)	If emissions system requires a muffler, it must be of a heavy duty grade muffler.				
3)	Co	oling System:				
	a)	Cooling system to contain extended life coolant set to a				
		minimum -45 [°] Fahrenheit.				
	b)	To include easily viewable coolant level.				
	c)	To include spin-on type coolant filter, with shut-off valves if				
		required to prevent excessive loss of coolant when servicing				
		filter.				
	d)	Drain petcock(s) to be provided for the low point(s) of cooling				
		system and engine block for maximum drainage while unit is on				
		level ground.				
	e)	Front of radiator to be properly guarded against rocks by				
		including a grill or grill screen cloth full length of the radiator.	ļ			
4)		el System:				
	a)	12 volt heated water fuel separation system.	<mark>(*)</mark>	<u> </u>	<u> </u>	
	b)	Spin on type fuel filter.		<u> </u>	<u> </u>	
	c)	Fuel tank- minimum 100 gal aluminum. Single tank mounted	<mark>(*)</mark>			
		left or right side frame rail back of cab with filler location at				
		forward end of tank or under cab if under body scraper				
		clearance of 24 inches can be obtained (refer to optional tank				
		in options).	1	1	1	

		Specifications	<mark>(*)</mark>	Yes	No	Clarification/Deviation
5)	Tra	insmission:				
	a)	6 speed Allison automatic 4500 RDS-P model.				
	b)	Allison approved synthetic transmission oil.				
	c)	Transmission oil cooler.				
	d)	No compression brake pre-select.				
	e)	To include Allison ISCAAN.				
	f)	Automatic neutral with the application of the emergency brake.				
	g)	I/P or dash mounted low oil sensor.				
	h)	To include a fixed shift schedule in secondary mode.				
	i)	Transmission ECU to be mounted in cab. If dealer located,				
		location must be pre-approved.				
	j)	Transmission range selection shall maintain peak torque from				
		engine while plowing snow at 35-40 mph.				
6)	Dri	ve Lines:				
	a)	Drive line yokes to be 1/2-round on all drive shafts and all inter-				
		axle shafts.				
7)	Ch	assis and Frame:				
	a)	Frame to be double rail design.				
	b)	Frame rails to be heat treated alloy steel.				
	c)	RBM to be a minimum of 3,500,000 inch pounds on the entire	<mark>(*)</mark>			
		frame.				
	d)	Frame cross members to be positioned for maximum strength				
		at mid-section of truck. May need to add additional cross				
		members where wing plow will be mounted. Provide				
		conceptual drawing of cross member placement (work with up-				
		fitter on placement). Price if optional price is needed.				
	e)	Frame to be completely primed and painted to inhibit rust.	(*)			
	<u>f)</u>	DELETED	(*)			
	<u>g)</u>	GVWR: 68,000 pounds minimum.	(*)			
	<u>h)</u>	Wheelbase – Approximately 195" to 214".	(*)			
	i)	AF Approximately of 70" AF.	(*)			
	j)	CA (Cab to Axle) to be approximately 125 inches.	(*)			
	k)	Approximately 18" to 24"" Integral front frame extension.	<mark>(*)</mark>			
8)		ar Tandem Axles and Suspension:	(14)			
	a)	46,000 pound capacity tandem axles, Hendrickson Haulmaax®	<mark>(*)</mark>			
		model HMX400 with shock absorbers. Or state approved				
		equivalent (any equivalents requires pre-approval). <i>TufTrac</i>				
		46,000 lb. 2 stage rear spring suspension is an approved				
	b)	equivalent				
	b)	Rear axles to be heavy duty Vocational style. 54 inch axle spacing minimum.(must be able to fit chains).	<mark>(*)</mark>	┼╞┽╴	┝╞┽╴	
	<u>ر)</u>	2 nd differential (rear-rear) to have wheel to wheel locking with		╎┝┥╴		
	d)	driver operated switch with a dash mounted warning light.				
	e)	Inter axle differential lockout with driver operated switch with				
	e)	dash mounted warning light.				
	f)	Synthetic gear lube.				
	יי	Synthetic Scul lube.	1			

		Specifications	<mark>(*)</mark>	Yes	No	Clarification/Deviation
9)	Fro	ont Axle and Suspension:				
	a)	Suspension-Parabolic, Taper Leaf 22,000 lb. capacity with shock	<mark>(*)</mark>			
		absorbers, continuous severe duty without timbren or rubber				
		blocks to achieve the required capacity.				
	b)	Front I-beam type, 22,000 lb. minimum continuous severe duty.	<mark>(*)</mark>			
	c)	Oil seals or lubed for life permanently sealed front wheel				
		bearings in front hubs.				
	d)	Turning radius curb to curb to be maximum 80 feet.	<mark>(*)</mark>			
10)) Ste	ering System:				
	a)	To be power steering.				
	b)	To be hydraulic dual steering gears, rated at front axle's GAWR	<mark>(*)</mark>			
		minimum. Sheppard vocational series, TRW THP-60 w/ RHC45				
		auxiliary gear is an approved equivalent. or approved				
		equivalent.				
11)) Bra	ake System:				
	a)	ABS brake system.				
	b)	Braking distance shall conform to FMVSS 121.				
	c)	Air compressor to be not less than 15.5 CFM.	<mark>(*)</mark>			
	d)	Auxiliary air brake filler source to be via shrader valve or	<mark>(*)</mark>			
		capped off air fitting with a ¼ turn ball style valve.				
	e)	Brake system heated, minimum 1200 cc desiccant type dryer,	<mark>(*)</mark>			
		with spin on cartridge.				
	f)	Air operated parking brake.				
	g)	Four wheel trailer-tractor package with cab operated hand				
		control valve. Complete to end of frame, including glad hands				
		with dummy couplings. (up-fitter will be adding a butt plate and				
		pintel hitch system at the end of frame).				
	h)	Heavy duty steel splash/dust shields on all axles.				
12)	Bra	ake Slack Adjusters:				
	a)	To be automatic and handed (if required to prevent				
		interference with tire chains).				
	b)	Sealed against dirt and corrosive materials.				
	c)	Lube fittings for positive lubrication of moving parts.				
	d)	Capability for in-field service.				
13)) Air	Reservoir Tanks:				
	a)	Air tanks to be equipped with manual drain petcock (s) or drain				
		actuators to be easily accessible from side of truck, a pull				
		lanyard is acceptable.				
14)) Wł	neels & Tires:				
	a)	All wheels and tires to be rated for the axles maximum weight				
		rating.				
	b)	Steel or aluminum disc wheel, hub piloted. Steel wheels to be	<mark>(*)</mark>			
		painted white or black.				
	c)	Front Tires Tubeless steel belted radial 20 ply standard highway	<mark>(*)</mark>			
		tread.				
	d)	Rear tires – Tubeless steel belted radial 16 ply minimum OEM	<mark>(*)</mark>			
		traction tread design.				

	Specifications	<mark>(*)</mark>	Yes	No	Clarification/Deviation
e)	Duals to be spaced for use with triple rail chains and shall				
	provide sufficient clearance between the inner sidewalls of the				
	dual tires, springs, clamps, hangers, or other obstructions that				
	may interfere with chains when installed (Reference axle				
	spacing under rear suspension).				
-	dy – Conventional severe service cab design with high visibility				
sty	le hood:				
a)	Cab interior width to be a minimum of 70 inches measured door	<mark>(*)</mark>			
	panel to door panel.				
b)	Tilt hood, capable of staying open when tilted 45 [°] or more, must				
	clear a standard plow hitch without having to tilt the plow hitch.				
c)	Wheel wells to be skirted/guarded from engine compartment.				
d)	Under hood insulation for sound abatement.				
e)	Stationary free standing grill.				
f)	No front bumper required due to front plow installation.				
g)	Steps and interior and exterior grab handles capable of proper				
	three point entry shall be included at both doors				
h)	Passenger door to have a look down mirror or visibility window	<mark>(*)</mark>			
	at the bottom of the door.				
i)	If a doghouse style engine cover is used inside cab, it must be				
	easily removed to access engine without removing seats or				
.,	dash.	(1 1)			
j)	Maximum cab noise level of 80 db.	<mark>(*)</mark>			
k)	Cab rear window.				
)	Paint – Body to be OEM White, polyurethane.				
)	Top surface of hood to be painted non reflective flat black.				
n)	Layout of all controls, gauges and instrumentation to be				
	ergonomically designed for operator.				
o)	All gauges, labeled switches, or displayed operators instructions are to be in English.				
p)	OEM Hi-Output fresh air type, hot water heater/defroster multi	<mark>(*)</mark>			
	speed fan system with a minimum BTU of 30,000.				
q)	Air Horn – under hood mounted or if roof mounted it must				
	include snow shields/cover (s).				
r)	Seating- Driver seat, mid height back, vinyl/cloth upholstery,				
	non-air suspension, with seat belt, shoulder strap.				
s)	Seating- Driver seat, mid height back, vinyl/cloth upholstery,				
	non-air suspension, with seat belt, shoulder strap.				
t)	No center console between seats.				
<u>u)</u>	Dual sun visors.				
)	Cup holders to be easily accessible to driver and passenger.				
w)	Standard OEM side mirrors, non-power, two (one each side)				
	Passenger side mirror to have an additional convex style mirror mounted below the main mirror.				
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x)	Steering wheel with tilt and telescopic features. Arctic insulation package or maximum insulation in floor and			┝╞╡╴	
y)	roof.				
z)	Manual door locks.				

	Specifications	<mark>(*)</mark>	Yes	No	Clarification/Deviation
aa)	Manually operated windows, drivers and passenger sides.				
bb)	Black rubber floor covering.				
cc)	Cab head liner.				
dd)	Dome light.				
	Book/manual pocket storage located on door panel or back cab	<mark>(*)</mark>			
,	wall.				
16) Ele	ctrical – 12 Volt Negative Ground System:				
	All wiring, connections, junction boxes, shall be sealed per				
,	industry standards to prevent corrosion. All wiring to be				
	secured and routed through chassis to prevent rubbing or				
	chaffing.				
b)	All electrical control switches to be direct current rated.				
c)	To include any and all optional RF (Radio Frequency) shielded				
,	wiring harnesses available, including engine and transmission.				
d)	Batteries, minimum of two 12 volt 1150 CCA each.	<mark>(*)</mark>			
e)	Batteries to be US DOT and IATA certified non spillable.	<u>, ,</u>			
f)	Alternator 160 amp minimum.	<mark>(*)</mark>			
, g)	Battery box location cannot interfere with dump body or belly	(*)			
- 87	blade installation, and must provide battery protection from	\			
	ice, snow, and mud build up. (prefer outside frame rail				
	mounting location).				
h)	Dash or steering wheel mounted speed control, electronic	<mark>(*)</mark>			
,	cruise control type (to allow for engine warm up and PTO	`			
	requirements to a minimum of 1400 RPM.				
i)	Hour meter, solid state, engine controller activated inside cab				
,	mounted location. Would prefer a 5 digit display				
j)	AM/FM stereo system w/ speaker system.				
k)	Heavy duty windshield wipers, two speed including intermittent				
	with washers.				
l)	Fluid washer tank to be largest OEM fluid capacity available.				
m)	All gauges that display pressures, temperatures, etc. are to be				
	in USA measurements such as PSI, Fahrenheit, etc.				
n)	Engine RPM tachometer.				
o)	Gauges - volt, oil, coolant, temperature, fuel, transmission				
	temperature, and air pressure.				
p)	All dials, gauges, switches, controls, and IDs to be properly back				
	lighted for day or night operation.				
q)	Headlights to be halogen.				
r)	All standard electrical and lighting to meet ICC regulations.				
s)	Body builder junction box and connector kit for body builder or				
	sealed connector at the end of frame include clearance lights,				
	tail lights, turn signals, backup lights and stop lights.				
t)	Body builder junction box on back of cab right rear frame rail 7				
	wire sealed connector for sander.				
u)	Headlamp circuit pre-wired for the attachment of plow lights.				
	1) Instrument panel switches to alternate between OEM and				
	plow headlamps.				
	2) Plow lamp wiring to extend to hood hinge area.				
	3) High beam indicator shall function in either mode.				

	Specifications	<mark>(*)</mark>	Yes	No	Clarification/Deviation
v)	Vehicle speed sensor circuit with a pulse rate of 50,000 PPM				
	wired into cab for ground speed oriented equipment				
	installation.				
w)	Instrument panel switch package.				
	1) Power to be supplied via relay controlled by ignition switch.				
	2) Switch panel to be protected by minimum 60 amp main				
	circuit breaker. (Up-fitter will install individual circuit				
	breakers for switches).				
	3) Switches to be configured to control these TBD functions:				
	a) (on/off 6A)				
	b) (on/off 4A)				
	c) (on/off 10A)				
	d) (on/off 10A)				
	e) (on/off 10A)				
	f) (on/off 10A)				
	4) All switches, functions & names shall be illuminated and				
	labeled (Dymo type adhesive labels are not acceptable),				
	name of switches may be subject to change (Labeling will				
	be done by up-fitter).				
x)	Back up alarm, electronic, self-adjusting sound level, located				
	per manufactures recommendations, but located where it				
	won't interfere with body up-fitting.				
y)	Cab to have roof mounted amber clearance lights as shown in				
	mfg. brochure, chassis to also include side marker lights as				
	required. OEM manufacture shall include DOT approved brake,				
	tail and turn signal lighting for transport of vehicle to up-fitter				
17) W/	ARRANTY: (State minimum of 12 months 100% parts and labor)				
a)	Frame Warranty:	<mark>(*)</mark>			
b)	Cab Warranty:	<mark>(*)</mark>			
c)	Suspension Warranty:	<mark>(*)</mark>			
d)	Engine Warranty:	<mark>(*)</mark>			
e)	Allison Transmission Warranty:	<mark>(*)</mark>			
f)	Other Warranty Not Listed:	<mark>(*)</mark>			
g)	Other Warranty Not Listed:	<mark>(*)</mark>			
-	-GRADE OR OPTIONAL ORDER ITEMS: Pricing is required (Bidder				
-	in item listed below is standard in base model at no additional				
	arge; please indicate in the deviations section).				
a)	Air ride suspension cab	(1)			
b)	425 horsepower diesel engine with 1500 lb. ft. torque, 12.9	<mark>(*)</mark>			
	liter in lieu of 350 horsepower engine.	<u>(*)</u>			
c)	470 horsepower diesel engine with 1600 lb. ft. torque, 12.9 liter in lieu of 350 horsepower engine.	<mark>(*)</mark>			
	Cold climate start package to be wired through the ignition	<mark>(*)</mark>			
d)	switch. OEM electronic ether system, electric grid system, or	<mark>(*)</mark>			
	glow plug system will be acceptable.		I		l
e)	Suspension-Parabolic, Taper Leaf 22,000 lb. capacity with	<mark>(*)</mark>			
(shocks and right side air bag (order only if ordering a R.H.				
	Wing).				

Specifications	<mark>(*)</mark>	Yes	No	Clarification/Deviation
f) 46,000 lb. Primaxx EX premium severe duty rear air suspension				
(to be ordered only if a muni body is being ordered).				
g) Engine block heater immersion type 110 volt 1500 watt	<mark>(*)</mark>			
minimum. Plug in to be easily accessible.				
h) AM/FM CD Stereo system in lieu of standard AM/FM stereo.				
i) Hands free Bluetooth or sync system.	<mark>(*)</mark>			
j) Spare tire and wheel front (matched to tires on chassis).				
k) Spare tire and wheel rear (matched to tires on chassis).				
 Accuride wheel guards or equivalent between all dual wheels 				
and on all hubs.				
m) Rear differential on demand lube pump system.				
n) Master disconnect switch, located in cab, floor mounted,	<mark>(*)</mark>			
between driver's door and rear of seat.				
o) Overhead console with pocket for two way radio installation,				
storage pockets, reading lights, and room to add additional				
switches.				
p) Power windows.				
q) Power door locks.				
r) Power outlet (cigar style type).				
s) OEM Air conditioning – Inside/outside air control, with dust				
filter. Inlet to be screened to prevent debris entry. System to be				
compatible to work in conjunction with the OEM windshield				
defrosting system. Automatic A/C shut down if overheating				
occurs.				
t) Heated front windshield with separate on/off switch control.				
<i>u)</i> First rear (in conjunction with rear-rear differential)				
differential to have wheel to wheel locking driver operated				
switch with dash mounted warning light.				
v) Seating- Driver seat, vinyl/cloth or cloth upholstery, air ride				
suspension, high back or head restraint. Seat belt retractor.				
Three point shoulder harness, 6 way power adjustable with				
lumbar support.				
w) OEM manufactures standard electric side mirrors, two (one				
each side) adjustable, electrically defrosted, power adjustable,				
driver controlled. Passenger side mirror to have an additional				
manufactures standard size convex mirror mounted bottom of				
mirror.				
z) Front fender mounted electrically heated mirrors on each side,				
to be manufactures standard size, adjustable convex heated				
mirrors, switch to be no time out feature, or may be				
thermostatically controlled. Switch may be separate or work in				
conjunction with switch for rearview side mirrors.				
aa) Delete 100 gallon fuel tank and provide temporary transport				
fuel tank if up-fitter determines OEM fuel tank impedes up-				
fitting requirements. Entry steps reconfigured by chassis bidder				
bb) Remote battery jump terminals in easily accessible location in				
close proximity to battery box.	1			

Specifications	<mark>(*)</mark>	Yes	No	Clarification/Deviation
cc) OEM Front bumper.				
dd) Custom fitted heavy duty winter front cover mounted to grill.				
19) Publications Optional Order Item:				
a) As per Section I – Special Terms and Conditions.				
20) Through 20c has been deleted				

END OF SPECIFICATION AMENDMENT 1

BID SCHEDULE INSTRUCTIONS:

All bids must include both unit pricing and extensions and be otherwise complete in the format requested.

DELIVERY: Indicate, in the space(s) provided, the time required to make delivery after the receipt of an order (ARO). Failure to make an entry in the space(s) provided will be construed as an offer to deliver within "Required Delivery" <u>NUMBER</u> of calendar days ARO. Bids which specify deliveries in excess of "Required Delivery" <u>NUMBER</u> of calendar days ARO will be considered non-responsive and the bid(s) will be rejected.

The materials, equipment or services bid will conform to and meet the requirements of the Contract Bid Documents and are hereby incorporated into this document:

Complete the attached bid price sheets and return with other bid documents as required in Section II – Standard Terms and Conditions, paragraph 14.

If any item listed in the optional pricing is standard and include in the base price please notated the item as included in standard price.

Amendment # 1 Revised Price Schedule

Item	Qty	Description	Spec. #	Bid Amount
1a	1	Cab and Chassis	217	
10	-	Year/Make/Model Offered:	217	
		Up-Grade or Optional Price Items		
2a	1	Air ride suspension cab	18a	
3a	1	425 horsepower diesel engine with 1500 lb. ft., torque, 12.9 liter in lieu of	18b	
		350 horsepower engine.		
4a		470 horsepower diesel engine with 1600 lb. ft. torque, 12.9 liter in lieu of	18c	
		350 horsepower engine		
5a	1	Cold climate start package	18d	
6a	1	Suspension-Parabolic, Taper Leaf 22,000 lb. capacity with shocks and right	18e	
		side air bag (order only if ordering a R.H. Wing) in lieu of standard		
		suspension.		
7a	1	46,000 lb. Primaxx EX premium severe duty rear air suspension (Option to	18f	
		order if a muni body is being ordered) in lieu of standard rear suspension		
8a	1	Engine block heater	18g	
9a	1	AM/FM CD Stereo system in lieu of standard AM/FM stereo	18h	
10a	1	Hands free Bluetooth or sync system	18i	
11a	1	Spare tire and wheel front (matched to tires on chassis)	18j	
12a	1	Spare tire and wheel rear (matched to tires on chassis)	18k	
13a	1	Accuride wheel guards or equivalent	181	
14a	1	Rear differential on demand lube pump system	18m	
15a	1	Master disconnect switch	18n	
16a	1	Overhead console	180	
17a	1	Power windows.	18p	
18a	1	Power door locks.	18q	
19a		Power Outlet (cigar style type)	18r	
20a	1	OEM Air conditioning	18s	
21a	1	Heated front windshield with separate on/off switch control.	18t	
22a	1	First rear (in conjunction with rear-rear differential) differential to have wheel to wheel locking differential	18u	
23a	1	Driver seat, vinyl/cloth or cloth upholstery, air ride suspension, high back	18v	
250	-	or head restraint. Seat belt retractor. Three point shoulder harness, 6 way	101	
		power adjustable with lumbar support.		
24a	1	OEM manufactures standard electric side mirrors, two (one each side)	18w	
	-	adjustable, electrically defrosted, power adjustable, driver controlled.		
		Passenger side mirror to have an additional manufactures standard size		
		convex mirror mounted bottom of mirror.		
25a	1	Front fender mounted electrically heated mirrors	18z	
26a	1	Delete 100 gallon fuel tank and provide temporary transport fuel tank	18aa	
27a	1	Remote battery jump terminals	18bb	
28a	1	OEM Front bumper	18cc	
29a	1	Custom fitted heavy duty winter front cover mounted to grill.	18dd	
30a	1	Additional frame Cross members if required for structural support	7d	
31a	1	Publications	19a	
32	Total	Bid Price For Award Purpose (Includes Items 1a through 31a)		1

Ownership and title of the ordered items remains with the contractor until the items have been delivered and accepted by the up-fitting contractor. The up-fitting contractor will be determined by the State of Alaska and will be listed on all purchase orders issued.

For pricing purposes, the F.O.B. point will be direct from the chassis manufacture to an Up-fitting contractor of State of Alaska choice.

Required Delivery: Maximum **180 days** after receipt of order (ARO).

Offered Delivered Time: (*)_____ Days ARO.

Publications: One (1) set, per Section I, paragraph 9.0.

END OF AMENDMENT ONE FOR ITB SEF-1792