

Commerce Department
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Amy Smith, Assistant Director for Procurement
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INVITATION TO BID

Bid Number: 16-3384 Date Issued: April 22, 2016

Date & Time Bid Opening: Tuesday, May 10, 2016 @ 10:00 am

CHASSIS AND MOBILE CONCRETE MIXER FOR THE NLR STREET DEPARTMENT

Chassis: \$ _____

Mobile Concrete Mixer: \$ _____

Make/Model: _____

Delivery: _____

For technical questions and/or comments, contact Patrick Lane at 371-8345 or plane@nlr.ar.gov.

Specifications attached. Unless otherwise stated, the use of a manufacturer's name and/or product number is for descriptive purposes and establishing general quality levels only. They are not intended to be restrictive. Bidders are required to state exactly what they intend to furnish, otherwise, it is fully understood that they shall furnish all items stated.

If you are obtaining this bid from our website, please be reminded that addendums may occur. It is therefore advisable that you review our listings for attachments including any changes to the bid.

The City of North Little Rock encourages participation of small, minority, and woman own business enterprises in the procurement of goods, services, professional services, and construction, either as a general contractor or sub-contractor. It is further requested that whenever possible, majority contractors who require sub-contractors, seek qualified small, minority, and woman businesses to partner with them.

EXECUTION OF BID - Upon signing this page, the organization certifies that they have read and agree to the requirements set forth in this bid including conditions set forth and pertinent information requests.

Name of Firm: _____ Phone No.: _____

Tax Identification No.: _____

Business Address: _____

Signature of Authorized Person: _____

Title: _____ Date: _____

UNSIGNED BID COVER SHEET WILL BE REJECTED.

S P E C I F I C A T I O N P R O P O S A L

Data Code	Description	Weight Front	Weight Rear	Retail Price
Price Level				
PRL-14M	M2 PRL-14M (EFF:10/05/15)			STD
Data Version				
DRL-021	SPECPRO21 DATA RELEASE VER 021			N/C
Vehicle Configuration				
001-172	M2 106 CONVENTIONAL CHASSIS			
004-217	2017 MODEL YEAR SPECIFIED			STD
002-004	SET BACK AXLE - TRUCK			STD
019-002	STRAIGHT TRUCK PROVISION			STD
003-001	LH PRIMARY STEERING LOCATION			STD
General Service				
AA1-002	TRUCK CONFIGURATION			STD
AA6-002	DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES)			STD
A85-011	CONSTRUCTION SERVICE			N/C
A84-1GM	GOVERNMENT BUSINESS SEGMENT			N/C
AA4-013	MOIST BULK COMMODITY			N/C
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS			STD
AB1-008	MAXIMUM 8% EXPECTED GRADE			STD
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE			STD
995-091	MEDIUM TRUCK WARRANTY			STD
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 16000.0 lbs			
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 21000.0 lbs			
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 37000.0 lbs			
Truck Service				

Data Code	Description	Weight Front	Weight Rear	Retail Price
AA3-005	FLATBED/PLATFORM/STAKE BODY			N/C
AF7-99D	EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0 in			
Engine				
101-2XE	CUM ISL 300 HP @ 2000 RPM, 2200 GOV RPM, 860 LB/FT @ 1300 RPM			
Electronic Parameters				
79A-075	75 MPH ROAD SPEED LIMIT			N/C
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT			N/C
79K-007	PTO MODE ENGINE RPM LIMIT - 1100 RPM			N/C
79P-002	PTO RPM WITH CRUISE SET SWITCH - 700 RPM			N/C
79Q-003	PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM			N/C
79S-001	PTO MODE CANCEL VEHICLE SPEED - 5 MPH			N/C
79U-007	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND			N/C
80G-002	PTO MINIMUM RPM - 700			N/C
80J-002	REGEN INHIBIT SPEED THRESHOLD - 5 MPH			N/C
Engine Equipment				
99C-016	2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/GHG14			STD
99D-010	NO 2008 CARB EMISSION CERTIFICATION			N/C
13E-001	STANDARD OIL PAN			STD
105-001	ENGINE MOUNTED OIL CHECK AND FILL			STD
133-004	ONE PIECE VALVE COVER			STD
014-099	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER			STD
124-1E1	DR 12V 200 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE			
292-098	(2) ALLIANCE MODEL 1231, GROUP 31, 12 VOLT MAINTENANCE FREE 2250 CCA THREADED STUD BATTERIES			
290-017	BATTERY BOX FRAME MOUNTED			STD
281-001	STANDARD BATTERY JUMPERS			STD
282-003	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE BACK OF CAB			N/C
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN			STD
289-001	NON-POLISHED BATTERY BOX COVER			STD
107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE			STD

Data Code	Description	Weight Front	Weight Rear	Retail Price
108-002	STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR			STD
131-013	AIR COMPRESSOR DISCHARGE LINE			STD
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM			STD
128-998	NO RETARDER			
016-1C3	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH HORIZONTAL TAILPIPE			STD
28F-002	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH			STD
239-001	STANDARD EXHAUST SYSTEM LENGTH			STD
237-052	RH STANDARD HORIZONTAL TAILPIPE			STD
23U-001	6 GALLON DIESEL EXHAUST FLUID TANK			STD
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL			STD
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION			STD
23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING			STD
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP			STD
273-018	HORTON DRIVEMASTER ON/OFF FAN DRIVE			N/C
276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED			STD
110-003	CUMMINS SPIN ON FUEL FILTER			STD
118-008	COMBINATION FULL FLOW/BYPASS OIL FILTER			N/C
266-013	1100 SQUARE INCH ALUMINUM RADIATOR	20		N/C
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT			STD
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT			STD
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES			STD
270-016	RADIATOR DRAIN VALVE			STD
168-002	LOWER RADIATOR GUARD			STD
138-011	PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK HEATER	4		
140-053	BLACK PLASTIC ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR			N/C
134-001	ALUMINUM FLYWHEEL HOUSING			STD
132-004	ELECTRIC GRID AIR INTAKE WARMER			STD
155-058	DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH			N/C

Data Code	Description	Weight Front	Weight Rear	Retail Price
Transmission				
342-584	ALLISON 3500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION			
Transmission Equipment				
343-339	ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV			N/C
84B-002	ALLISON VOCATIONAL RATING FOR CONCRETE MIXER APPLICATIONS ONLY AVAILABLE WITH 3000 PRODUCT FAMILIES			N/C
84C-023	PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY			N/C
84D-023	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY			N/C
84N-000	NEUTRAL AT STOP - DISABLED, FUELSense - DISABLED			STD
84U-000	DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES			STD
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN			STD
345-003	PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED			N/C
97G-004	TRANSMISSION PROGNOSTICS - ENABLED 2013			N/C
370-015	WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK			STD
346-003	TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK			N/C
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)			STD
Front Axle and Equipment				
400-1BA	DETROIT DA-F-18.0-5 18,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE			
402-030	MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES			N/C
403-002	NON-ASBESTOS FRONT BRAKE LINING			STD
419-023	CONMET CAST IRON FRONT BRAKE DRUMS			STD
409-021	SKF SCOTSEAL PLUS XL FRONT OIL SEALS			STD
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL			STD
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES			STD

Data Code	Description	Weight Front	Weight Rear	Retail Price
405-002	MERITOR AUTOMATIC FRONT SLACK ADJUSTERS			STD
536-012	TRW TAS-85 POWER STEERING	40		N/C
539-003	POWER STEERING PUMP			STD
534-015	2 QUART SEE THROUGH POWER STEERING RESERVOIR			STD
533-001	OIL/AIR POWER STEERING COOLER	5		
40T-001	ORGANIC SAE 80/90 FRONT AXLE LUBE			STD
Front Suspension				
620-004	16,000# FLAT LEAF FRONT SUSPENSION	260		
619-004	GRAPHITE BRONZE BUSHINGS WITH SEALS - FRONT SUSPENSION			N/C
62H-998	NO FRONT SUSPENSION SPRING BRACKET OPTIONS			STD
410-998	NO FRONT SHOCK ABSORBERS	-30		N/C
Rear Axle and Equipment				
420-1K3	MT-40-14X 40,000# R-SERIES TANDEM REAR AXLE		2,500	
421-643	6.43 REAR AXLE RATIO			
424-003	IRON REAR AXLE CARRIER WITH OPTIONAL HEAVY DUTY AXLE HOUSING		30	
386-073	MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES	20	20	STD
388-073	MXL 17T MERITOR EXTENDED LUBE INTERAXLE DRIVELINE WITH HALF ROUND YOKES			N/C
452-006	DRIVER CONTROLLED TRACTION DIFFERENTIAL - BOTH TANDEM REAR AXLES		30	
878-023	(1) INTERAXLE LOCK VALVE, (1) DRIVER CONTROLLED DIFFERENTIAL LOCK FORWARD-REAR AND REAR-REAR AXLE VALVE			N/C
87A-001	BLINKING LAMP WITH EACH MODE SWITCH, INTERAXLE UNLOCK DEFAULT WITH IGNITION OFF			N/C
87B-004	BLINKING LAMP WITH EACH MODE SWITCH, DIFFERENTIAL UNLOCK WITH IGNITION OFF, ACTIVE <5 MPH			N/C
423-020	MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES			
433-002	NON-ASBESTOS REAR BRAKE LINING			STD
434-003	STANDARD BRAKE CHAMBER LOCATION			N/C
451-023	CONMET CAST IRON REAR BRAKE DRUMS			STD
440-021	SKF SCOTSEAL PLUS XL REAR OIL SEALS			STD

Data Code	Description	Weight Front	Weight Rear	Retail Price
426-075	HALDEX GOLDSEAL LONGSTROKE 2-DRIVE AXLES SPRING PARKING CHAMBERS		20	N/C
428-003	HALDEX AUTOMATIC REAR SLACK ADJUSTERS			
41T-001	ORGANIC SAE 80/90 REAR AXLE LUBE			STD
Rear Suspension				
622-1CN	HENDRICKSON RTE403 REAR SUSPENSION @ 40,000#		790	
621-016	HENDRICKSON RT/RTE - 7.19" SADDLE			N/C
431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP			STD
624-011	52 INCH AXLE SPACING			N/C
628-004	STEEL BEAMS AND RUBBER CENTER BUSHINGS WITH BAR PIN ADJUSTABLE END CONNECTIONS			N/C
623-005	FORE/AFT CONTROL RODS			N/C
Brake System				
018-002	AIR BRAKE PACKAGE			STD
490-100	WABCO 4S/4M ABS WITHOUT TRACTION CONTROL			STD
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES			STD
904-001	FIBER BRAID PARKING BRAKE HOSE			STD
412-001	STANDARD BRAKE SYSTEM VALVES			STD
46D-002	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM			STD
413-002	STD U.S. FRONT BRAKE VALVE			STD
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE			STD
480-009	BW AD-9 BRAKE LINE AIR DRYER WITH HEATER	20		N/C
479-003	AIR DRYER MOUNTED INBOARD ON LH RAIL			N/C
460-001	STEEL AIR BRAKE RESERVOIRS			STD
477-001	PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS			STD
Trailer Connections				
335-004	UPGRADED CHASSIS MULTIPLEXING UNIT			STD
32A-002	UPGRADED BULKHEAD MULTIPLEXING UNIT			STD
30L-998	NO HIGH CURRENT TRAILER/BODY CABLE			STD
Wheelbase & Frame				
545-570	5700MM (224 INCH) WHEELBASE			N/C
546-101	11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8MM/0.344X10.94 INCH) 120KSI	270	120	

Data Code	Description	Weight Front	Weight Rear	Retail Price
547-001	1/4 INCH (6.35MM) C-CHANNEL INNER FRAME REINFORCEMENT	170	390	
552-030	1600MM (63 INCH) REAR FRAME OVERHANG			STD
55W-006	FRAME OVERHANG RANGE: 61 INCH TO 70 INCH			N/C
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 158.45 in			
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 155.45 in			
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 316.39			
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 158.45 in			
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 123.0 in			N/C
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 129.25 in			N/C
553-001	SQUARE END OF FRAME			STD
550-001	FRONT CLOSING CROSSMEMBER			STD
559-003	LIGHTWEIGHT HEAVY DUTY ALUMINUM ENGINE CROSSMEMBER	-12		
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)			STD
572-001	STANDARD REARMOST CROSSMEMBER			STD
565-001	STANDARD SUSPENSION CROSSMEMBER			STD
Chassis Equipment				
556-1AN	THREE-PIECE 14 INCH STEEL CENTER BUMPER WITH FLEXIBLE PLASTIC ENDS			STD
558-001	FRONT TOW HOOKS - FRAME MOUNTED	15		
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE			STD
586-024	FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS			STD
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS			STD
Fuel Tanks				
204-215	50 GALLON/189 LITER SHORT RECTANGULAR ALUMINUM FUEL TANK - LH	20		
218-005	RECTANGULAR FUEL TANK(S)			STD
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS			STD
212-007	FUEL TANK(S) FORWARD			STD
664-001	PLAIN STEP FINISH			STD
205-001	FUEL TANK CAP(S)			STD
122-075	ALLIANCE FUEL FILTER/WATER SEPARATOR			N/C

Data Code	Description	Weight Front	Weight Rear	Retail Price
216-020	EQUIFLO INBOARD FUEL SYSTEM			STD
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE			STD
Tires				
093-0RW	MICHELIN XZA2 ENERGY 315/80R22.5 20 PLY RADIAL FRONT TIRES	56		
094-2E8	CONTINENTAL HD3 ECO PLUS 11R22.5 16 PLY RADIAL REAR TIRES		112	
Hubs				
418-054	CONMET PRESET PLUS ALUMINUM FRONT HUBS	-20		
450-056	CONMET PRESET PLUS IRON REAR HUBS			STD
Wheels				
502-433	ACCURIDE 29039 22.5X9.00 10-HUB PILOT 5.25 INSET 5-HAND STEEL DISC FRONT WHEELS	66		
505-524	MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 2-HAND STEEL DISC REAR WHEELS			N/C
496-011	FRONT WHEEL MOUNTING NUTS			STD
497-011	REAR WHEEL MOUNTING NUTS			STD
Cab Exterior				
829-071	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB			STD
650-008	AIR CAB MOUNTS			
678-001	LH AND RH GRAB HANDLES			STD
646-009	PAINTED PLASTIC GRILLE			STD
65X-001	ARGENT SILVER HOOD MOUNTED AIR INTAKE GRILLE			STD
644-004	FIBERGLASS HOOD			STD
727-1AH	SINGLE 14 INCH ROUND POLISHED AIR HORN ROOF MOUNTED	4		
726-001	SINGLE ELECTRIC HORN			STD
728-001	SINGLE HORN SHIELD			N/C
657-001	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME			STD
575-001	REAR LICENSE PLATE MOUNT END OF FRAME			STD
312-043	INTEGRAL HEADLIGHT/MARKER ASSEMBLY			STD
302-001	(5) AMBER MARKER LIGHTS			STD
294-001	INTEGRAL STOP/TAIL/BACKUP LIGHTS			STD
300-015	STANDARD FRONT TURN SIGNAL LAMPS			STD
744-1BH	DUAL WEST COAST MOLDED-IN COLOR MIRRORS			STD

Data Code	Description	Weight Front	Weight Rear	Retail Price
797-001	DOOR MOUNTED MIRRORS			STD
796-001	102 INCH EQUIPMENT WIDTH			STD
743-1AP	LH AND RH 8 INCH MOLDED-IN COLOR CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS			
729-001	STANDARD SIDE/REAR REFLECTORS			STD
768-043	63X14 INCH TINTED REAR WINDOW			STD
661-003	TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS			STD
654-003	MANUAL DOOR WINDOW REGULATORS			STD
663-013	TINTED WINDSHIELD			STD
659-019	2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED			STD

Cab Interior

707-1AM	OPAL GRAY CLOTH INTERIOR			STD
706-013	MOLDED PLASTIC DOOR PANEL			STD
708-013	MOLDED PLASTIC DOOR PANEL			STD
772-006	BLACK MATS WITH SINGLE INSULATION			STD
691-008	FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING			STD
694-010	IN DASH STORAGE BIN			STD
742-007	(2) CUP HOLDERS LH AND RH DASH			STD
680-006	GRAY/CHARCOAL FLAT DASH			STD
700-002	HEATER, DEFROSTER AND AIR CONDITIONER			STD
701-001	STANDARD HVAC DUCTING			STD
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH			STD
170-015	STANDARD HEATER PLUMBING			STD
130-033	DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR			STD
702-002	BINARY CONTROL, R-134A			STD
739-033	STANDARD INSULATION			STD
285-013	SOLID-STATE CIRCUIT PROTECTION AND FUSES			STD
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM			STD
324-014	DOME LIGHT WITH 3-WAY SWITCH ACTIVATED BY LH AND RH DOORS			STD
655-001	CAB DOOR LATCHES WITH MANUAL DOOR LOCKS			STD
284-023	(1) 12 VOLT POWER SUPPLY IN DASH			

Data Code	Description	Weight Front	Weight Rear	Retail Price
756-1J1	BASIC HIGH BACK NON SUSPENSION DRIVER SEAT WITH FORE AND AFT ADJUSTMENT			STD
760-1DC	BASIC HIGH BACK NON SUSPENSION PASSENGER SEAT			STD
711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS			STD
758-036	VINYL WITH VINYL INSERT DRIVER SEAT			STD
761-036	VINYL WITH VINYL INSERT PASSENGER SEAT			STD
763-032	3 POINT FIXED D-RING RETRACTOR DRIVER AND PASSENGER SEAT BELTS			STD
532-001	FIXED STEERING COLUMN			STD
540-015	4-SPOKE 18 INCH (450MM) STEERING WHEEL			STD
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS			STD

Instruments & Controls

732-004	GRAY DRIVER INSTRUMENT PANEL			STD
734-004	GRAY CENTER INSTRUMENT PANEL			STD
870-001	BLACK GAUGE BEZELS			STD
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM			STD
840-002	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES			STD
198-003	DASH MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS			
149-013	ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL			STD
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY			STD
811-042	ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED			STD
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH			STD
844-001	2 INCH ELECTRIC FUEL GAUGE			STD
148-003	PROGRAMMABLE RPM CONTROL - ELECTRONIC ENGINE			STD
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE			STD
864-001	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE			
830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY			STD
73B-998	NO LANE DEPARTURE WARNING SYSTEM			STD
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE			STD

Data Code	Description	Weight Front	Weight Rear	Retail Price
746-1B3	AM/FM/WB RADIO WITH BLUETOOTH AND MICROPHONE, FRONT USB PORT, FRONT AND REAR AUXILIARY INPUTS AND J1939	10		
747-001	DASH MOUNTED RADIO			N/C
750-002	(2) RADIO SPEAKERS IN CAB			N/C
753-001	AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF			N/C
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER			STD
817-001	STANDARD VEHICLE SPEED SENSOR			STD
812-001	ELECTRONIC 3000 RPM TACHOMETER			STD
162-011	IDLE LIMITER, ELECTRONIC ENGINE			STD
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY			STD
660-008	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY			STD
304-001	MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH			STD
882-009	ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR			STD
299-013	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE			STD
298-039	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS			STD
869-998	NO MISCELLANEOUS GAUGES			STD
Design				
065-000	PAINT: ONE SOLID COLOR			STD
Color				
980-5F6	CAB COLOR A: L0006EB WHITE ELITE BC			STD
986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT			STD
98K-998	NO FUEL TANK CABINET PAINT			STD
962-972	POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)			STD
966-972	POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)			STD
964-6Z7	BUMPER PAINT: FP24812 ARGENT SILVER DUPONT FLEX			STD
963-003	STANDARD E COAT/UNDERCOATING			STD

Certification / Compliance

Data Code	Description	Weight Front	Weight Rear	Retail Price
996-001	U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS			STD
Secondary Factory Options				
998-001	CORPORATE PDI CENTER IN-SERVICE ONLY			N/C
Sales Programs				
NO SALES PROGRAMS HAVE BEEN SELECTED				

I T E M S N O T I N C L U D E D I N A D J U S T E D L I S T
P R I C E

Other Factory Charges

**TECHNICAL SPECIFICATIONS FOR
MOBILE CONCRETE MIXER
406N**

MOBILE CONCRETE MIXER: North Little Rock, AR

DESCRIPTION:

Concrete mobile mixer of 6 cubic yard capacity, producing up to 30 cubic yards per hour and meeting the requirements of ASTM C-685, and meeting VMMB standards.

DIMENSIONS:

Width:	100"
Overall length:	369" (based on conv. chassis)
Maximum height:	142" (based on 41" chassis height)
Loading height of aggregates bin:	100" (based on 41" chassis height)
Loading height of cement bin:	125" (based on 41" chassis height)
Unit weight empty:	8600 lbs.

PAINTING:

1 YEAR WARRANTED PROGRAM

Entire unit shall be painted per city specifications.

Primer – 2 coat epoxy primer
Top Coat – polyurethane (color – White)
Install decals

Entire unit shall be properly degreased, have scale removed and shall be cleaned prior to applying prime coat.

Finished paint surface shall be free of sags, dirt, scratches, dents, peeling or dullness.

PERFORMANCE:

The unit shall be capable of operating and producing concrete according to the American Society of Testing and Materials specifications, C-685-94, “Concrete made by volumetric batching and continuous mixing,” and the Volumetric Mobile Manufacturers Bureau (VMMB), a division of the National Ready Mix Concrete Association (NRMCA).

MOUNTING:

Mobile unit will be mounted on the truck. Cab and chassis supplied by purchaser.

HEAVY DUTY PLASTIC FENDERS SUPPLIED

ELECTRICAL SYSTEM:

Provide a twelve (12) volt electrical system. All lights shall be as follows:

Stop, turn and tail light shall be mounted left and right rear, weather resistant, LED bulbs. Lamp assemblies shall be mounted in a visible and prominent location.

LED backup lights shall be incorporated into the tail light design.

LED side marker lights shall be 2" round, **sealed**, shock proof and weather resistant. Lamp assemblies shall be mounted in a rubber grommet.

LED rear clearance light trio shall be mounted centered and atop the cement bin.

HYDRAULIC SYSTEM:

The hydraulic pump shall be multi-sectioned fixed displacement gear pumps to provide uninterrupted performance to the material feed, mix auger, water pump, or any hydraulic driven accessories when functioned individually or combined.

A Power Take-Off mounted to the truck transmission shall drive the hydraulic pump unit. The PTO shall feature a direct pump mounting flange as to eliminate a drive line and should be a Chelsea Hot Shift PTO.

The hydraulic reservoir shall be 30 gallon capacity and shall be provided with proper suction shut off. A 100 mesh strainer shall be provided on each suction line to protect the pump. A top mounted return line 10 micron cartridge type return filter with by-pass indicator alert gauge shall be included. All components of the pressure side of the system shall be rated at a minimum pressure of 2250 psi. Fittings shall be o-ring face seal type, an upgrade from JIC type fittings. The tank shall incorporate a screened fill with vent cap, access cover for internal tank service, level sight gauge and temperature gauge.

AGGREGATE BIN: (10) TEN FOOT OPEN LOADING WIDTH

Aggregate bin shall have a total volume of 217 cubic feet with sand compartment volume of 107 cubic feet and a coarse aggregate compartment volume of 110 cubic feet.

Aggregate bin shall have external structural supports to provide structural stability for expected loadings, and to permit smooth flow of aggregate on the interior surfaces. This is to be fabricated from 12 gauge steel.

Bin shall be sealed its entire length to prevent spillage of aggregates and eliminate the need for adjustable seals. The lower portion of the aggregate center divider, load reducers, chain return peak and 4" material feed guides shall be constructed from stainless steel.

Sand compartment shall have two (2) vibrators to provide continuous feed through the gates of the material feed chain system. Vibrators shall work in a cycle with the material feed system.

Back of aggregate compartments shall have gates to adjust the volume of aggregate flow.

Aggregate bins shall be lined with an acrylic-reinforced aliphatic aromatic polyurethane coating to help prevent corrosive and abrasive wear

MATERIAL FEED:

PROVIDE A DUAL AGGREGATE CONVEYOR CHAIN FEED SYSTEM WHICH WILL UTILIZE A-102 CHAIN. THE CHAIN WILL CONSIST OF PEARLITIC MALLEABLE IRON BLOCKS ALTERNATED WITH STEEL SIDEBARS FOR STEEL ATTACHMENTS, MEETING ASTM A220. THE A-102 B CHAIN SHALL HAVE A MAXIMUM WORKING LOAD OF 4,000 LBS. TO 6,000 LBS. THERE WILL BE AN INDIVIDUAL CHAIN FOR THE SAND AND STONE BINS, WHICH HAVE THE CAPABILITY OF BEING RUN INDEPENDENTLY OF EACH OTHER BY INDEPENDENT REMOVABLE CLUTCH PINS.
PATENTED US 4601.629

GATE ADJUSTMENTS:

Each aggregate gate shall be indexed, adjustable and hand controlled for proportioning purposes. They must be able to lock in place after a mix design is set.

Aggregate proportioning tolerance shall be in accordance with the requirements of ASTM C-685.

CEMENT BIN:

Shall be constructed of 12 gauge steel with a capacity of 60 cubic feet.

THE CEMENT BIN SHALL BE WATER TIGHT WITH AIR VIBRATORS AND ROTATING TINES TO ELIMINATE BRIDGING OF CEMENT.

The cement bin shall have a top 21" x 21" loading opening with replaceable cover.

THE CEMENT BIN SHALL HAVE A CEMENT METERING FEED CHAIN SYSTEM THAT WILL CONTINUALLY PERMIT FEED OF CEMENT IN ACCORDANCE WITH THE TOLERANCE REQUIREMENT OF ASTM C-685.

The cement metering feed chain system shall be able to disengage for accuracy and ease of calibration for cement, sand and stone.

WATER SYSTEM:

PROVIDE ONE (1) 300 GALLON POLYETHYLENE WATER TANK.

All plumbing shall have adequate drains as necessary to allow complete drainage during winter operations and for year round cleaning. The reservoir shall have a visible non-breakage level gauge and water pump suction line strainer. For proper weight distribution on the chassis, the water tank shall be securely mounted between the aggregate bin and front of the cement bin.

The system shall include A FLOWMETER AND SOLENOID VALVE AND PROVIDE A CLEAN UP HOSE WITH NOZZLE.

Water pump to be hydraulically driven to provide water for mixing and to wash out. The water pump shall have a water seal separate from the hydraulic motor seal. THE WATER METERING FOR MIX DESIGN SHALL MEET THE PROPORTIONING REQUIREMENTS OF ASTM-C685.

AUGER ASSEMBLY:

Mixer auger shall be 9' in length and 9" in diameter.

AUGER FLIGHTING MUST BE LINED WITH BOLT-ON NYHARD WEAR BLADES TO PREVENT FLIGHTING WEAR AND TO MAINTAIN MIX AUGER TOLERANCE.

HYDRAULIC MOTOR MUST BE MOUNTED ON THE FEED END OF THE AUGER TO ENSURE THE MOST DIRECT TRANSFER OF HORSEPOWER TO THE DRY END OF THE MIX AUGER.

Easy access for cleaning and inspection of the auger shall be made possible by a hinged lid on the auger and a hinged door above the swing ring.

The hydraulic control valve for the mix auger shall provide forward (mix) and reverse (clean up/jam) capability for the auger flighting.

An air powered cylinder is used on the auger latch to lock the auger in place during transport. Auger lift and lower is to be accomplished via a hydraulic cylinder. The cylinder must be able to hold a load in any position via a load hold valve.

Auger swing left and right is to be accomplished via a hydraulic cylinder. The swing shall hold the load in any position without drift due to the vehicle being on an uneven plane. The swing shall be approximately 160 degrees. The transition above the swing ring shall be made of stainless steel.

CHASSIS AND MOBILE CONCRETE MIXER FOR THE NLR STREET DEPARTMENT

- ✓ Exceptions and Deviations: If the equipment being proposed does not meet a portion(s) of the applicable specifications, the Bidder shall fully describe every variance, exception and/or deviation. Additional sheets may be used if required.

- ✓ All warranty and inspection certificates signed by the service manager shall be included with delivery. Equipment shall be guaranteed to the full extent as provided by the selling dealer and specifications. Full details of the equipment, including warranty, shall be supplied with the bid.

**TERMS AND STANDARD CONDITIONS
CITY OF NORTH LITTLE ROCK, ARKANSAS**

PLEASE READ CAREFULLY

1. When submitting an "Invitation to Bid," the bidder warrants that the commodities covered by the bid shall be free from defects in material and workmanship under normal use and service. In addition, bidder must deliver new commodities of the latest design and model, unless otherwise specified in the "Invitation to Bid."
2. Prices quoted are to be net process, and when an error is made in extending total prices, the City may accept the bid for the lesser amount whether reflected by extension or by the correct multiple of the unit price.
3. Discounts offered will be taken when the City qualifies for such. The beginning date for computing discounts will be the date of invoice or the date of delivery and acceptance, whichever is later.
4. When bidding other than the brand and/or model specified in the "Invitation to Bid," the brand and/or model number must be stated by that item in the "Invitation to Bid," and descriptive literature be submitted with the bid.
5. The City reserves the right to reject any and all bids.
6. The Purchasing office reserves the right to award items, all or none, or by line item(s).
7. Quality, time and probability of performance may be factors in making an award.
8. Bid quotes submitted will remain firm for 30 calendar days from bid opening date; however, the prices may remain firm for a longer period of time if mutually agreeable between bidder and the Commerce Department..
9. Bidder must submit a completed signed copy of the front page of the "Invitation to Bid" and must submit any other information required in the "Invitation to Bid."
10. In the event a contract is entered into pursuant to the "Invitation to Bid," the bidder shall not discriminate against any qualified employee or qualified applicant for employment because of race, sex, color, creed, national origin or ancestry. The bidder must include in any and all subcontracts a provision similar to the above.
11. Sales or use tax is not to be included in the bid price, but is to be added by the vendor to the invoice billing to the City. Although use tax is not to be included in this bid, vendors are to register and pay tax direct to the Arkansas State Revenue Department.
12. Prices quoted shall be "Free on Board" (F.O.B.) to destination at designated facility in North Little Rock. Charges may not be added after the bid is opened.
13. In the event of two or more identical low bids, the contract may be awarded arbitrarily or for any reason to any of such bidders or split in any proportion between them at the discretion of the Commerce Department.
14. Specifications furnished with this Invitation are intended to establish a desired quality or performance level, or other minimum dimensions and capacities, which will provide the best product available at the lowest possible price. Other than designated brands and/or models approved as equal to designated products shall receive an equal consideration.
15. Samples of items when required, must be furnished free, and, if not called for within 30 days from date of bid opening, will become property of the City.
16. Bids will not be considered if they are: 1. Submitted after the bid's opening time. 2. Submitted electronically or faxed (unless authorized by Purchasing Agent).
17. Guarantees and warranties should be submitted with the bid, as they may be a consideration in making an award.

TERMS AND STANDARD CONDITIONS (CONTINUED)
CITY OF NORTH LITTLE ROCK, ARKANSAS

PLEASE READ CAREFULLY

18. **CONSTRUCTION**
- A. Contractor is to supply the City with evidence of having and maintaining proper and complete insurance, specifically Workman's Compensation Insurance in accordance with the laws of the State of Arkansas, Public Liability and Property Damage. All premiums and cost shall be paid by the Contractor. In no way will the City be responsible in case of accident.
- B. When noted, a Certified check or bid bond in the amount of 5% of total bid shall accompany bid.
- C. A Performance Bond equaling the total amount of any bid exceeding \$10,000.00 must be provided for any contract for the repair, alteration or erection of any public building, public structure or public improvement (pursuant to Act 351 or 1953 as amended by Act 539 of 1979).
19. **LIQUIDATED DAMAGES** - Liquidated damages shall be assessed beginning on the first day following the maximum delivery or completion time entered on this bid form and/or provided for by the plans and specifications.
20. **AMBIGUITY IN BID** - Any ambiguity in any bid as the result of omission, error, lack of clarity or non-compliance by the bidder with specifications, instructions, and all conditions of bidding shall be construed in the light most favorable to the City.
21. The bid number should be stated on the face of the sealed bid envelope. If it is not, the envelope will have to be opened to identify.
22. Whenever a bid is sought seeking a source of supply for a specified period of time for materials and services, the quantities of usage shown are estimated ONLY. No guarantee or warranty is given or implied by the participants as to the total amount that may or may not be purchased from any resulting contracts. These quantities are for the bidders information ONLY and will be used for tabulation and presentation of bid and the participant reserves the right to increase or decrease quantities as required.
23. The City of North Little Rock reserves the right to reject any and all bids, to accept in whole or in part, to waive any informalities in bids received, to accept bids on materials or equipment with variations from specifications in those cases where efficiency of operation will not be impaired, and unless otherwise specified by the bidder, to accept any item in the bid. If unit prices and extensions thereof do not coincide, the City of North Little Rock may accept the bid for the lesser amount whether reflected by the extension or by the correct multiple of the unit price.
24. Additional information or bid forms may be obtained from:
COMMERCE DEPARTMENT, 120 Main Street, P.O. Box 5757, North Little Rock, Arkansas 72119 (501) 975-8881
www.nlr.ar.gov

Bidding documents must be submitted on or before the bid's opening date and time. Unless noted, sealed bids must be submitted to the Commerce Department at 120 Main Street, North Little Rock, AR 72114 or PO Box 5757, North Little Rock, AR 72119