Business Class Trucks

Prepared for LANCASTER AREA SEWER AUTHORITY
130 CENTERVILLE RD.
LANCASTER, PA 17603
[redacted]

Prepared by FREIGHTLINER OF HARRISBURG
4400 CHAMBERS HILL R
17111
BLAIR MOYER
Quote ID: WITH NEW
May 29, 2002

SPECIFICATION PROPOSAL

SpecPro Version: V3.90

Specifications

MODEL		
FL80 CONVENTIONAL CHASSIS		
SET BACK AXLE - TRUCK		
STRAIGHT TRUCK PROVISION		
LH PRIMARY STEERING LOCATION		
GENERAL SERVICE		
TRUCK CONFIGURATION		
PICKUP & DELIVERY/SHORT HAUL SERVICE		
GOVERNMENT BUSINESS SEGMENT		
DRY VAN BODY		
FIXED LOAD COMMODITY		
100% ON HIGHWAY/CITY TERRAIN		
SMOOTH CONCRETE OR ASPHALT ROAD SURFACE		
MAXIMUM 8% EXPECTED GRADE		
DOMICILED, USA 49STATES(W/O CALIFORNIA)		
MEDIUM TRUCK WARRANTY II		
EXPECTED FRONT AXLE LOAD	18000	LBS
EXPECTED REAR AXLE LOAD	40000	LBS
EXPECTED GVW CAPACITY	60000	LBS
TRUCK SERVICE		
TRUCK BODY LENGTH	18	FT
CAB TO TRUCKBODY CLEAR	4	IN
ENGINE		
CAT 3126-300HT 300HP@2200 RPM;2400 GOV 860 LB/FT @ 1440 RPM 98 EPA/CARB		
ENGINE EQUIPMENT		
ENGINE MOUNTED OIL CHECK & FILL		
FRONTAL AIR INTAKE W/DONALDSON AIR CLEANER - RAIL MOUNTED		
AIR CLEANER: DONALDSON ONE-STAGE		
DR 12V 130 AMP 22-SI ALTERNATOR		
(2) ALLIANCE 1031 GRP31 12V MF 1520 CCA THREADED STUD BATTERIES		
BATTERY BOX FRAME MTD		
FRAME GROUND RETURN FOR BATTERY CABLES		
NO CLUTCH		
BW 13.2 CFM COMPRESSOR (SERIES 550)		

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	TEFLON COMPRESSOR DISCHARGE LINE
	ELEC ENG INTEGRAL SHUTDOWN PROTECTION SYSTEM
New	PAC-BRAKE EXHAUST BRAKE
	SINGLE HORIZONTAL RH MUFFLER W/CAB MTD VERTICAL TAILPIPE, OVER FRAME ROUTING
	STAINLESS STEEL MUFFLER/TAILPIPE SHIELD
	ZINC COATED EXHAUST RAIN CAP
	KYSOR K22RA REAR AIR ON/OFF ENGINE FAN CLUTCH
	FULL FLOW OIL FILTER
	850 SQ-IN RADIATOR
	ANTIFREEZE TO -34F, ETHYLENE GLYCOL PRE-CHARGED SCA HEAVY DUTY COOLANT
	RUBBER COOLANT HOSES
	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES
	IRON FLYWHEEL HOUSING
	AIR INTAKE WARMER
	DELCO 12V 41MT 400 SERIES STARTER
	TRANSMISSION AND EQUIPMENT
	ALLISON MD-3066P AUTOMATIC TRANSMISSION
	MD/HD TRANSMISSION PROGRAMMING - 6SPEED GEN 2/UTILITY/P&D/TRUCK(GRP 70/PKG 114)
	TRANSMISSION VEHICLE INTERFACE CONNECTOR WIRED TO TRANSMISSION ECU
	MAGNETIC PLUGS, ENGINE DRAIN TRANSMISSION DRAIN,AXLE(S) FILL & DRAIN
	PUSH BUTTON, ELECTRONIC SHIFT CONTROL, DASH MOUNTED
	WATER TO OIL TRANSMISSION COOLER
	FRONT AXLE AND SUSPENSION
	MERITOR FL-941 FRONT AXLE @ 20,000#
	MERITOR 16.5 X 6 Q+ CAST SPDR CAM FRT BRKS, DBL ANCHOR, FAB'D SHOE
	GUNITE CAST IRON FRONT BRAKE DRUMS
	FRONT BRAKE DUST SHIELDS
	CHICAGO RAWHIDE SCOTSEAL PLUS XL FRONT OIL SEALS
	STANDARD SPINDLE NUTS FOR ALL AXLES
	VENTED FRONT HUB CAPS - OIL
	GUNITE AUTOMATIC FRONT SLACK ADJUSTERS
	TRW TAS-85 POWER STEERING
	POWER STEERING PUMP
	2 QUART SEE THROUGH POWER STEERING RESERVOIR
	18,000# FLAT LEAF FRONT SUSPENSION

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GRAPHITE BRONZE BUSHINGS W/SEALS - FRONT SUSPENSION
FRONT SHOCK ABSORBERS

REAR AXLE AND SUSPENSION

MERITOR RT-40-145 R-SRS TANDEM REAR AXLE @ 40,000#
7.17 AXLE RATIO
IRON REAR AXLE CARRIER HOUSING
17T MERITOR MAIN DRIVELINE W/HALF ROUND YOKES
17T MERITOR INTERAXLE DRIVELINE W/HALF ROUND YOKES
New DRIVER CONTROLLED TRACTION DIFFERENTIAL - REAR MOST AXLE
INTERAXLE AND/OR DIFFERENTIAL LOCKOUT WITH INDICATOR LIGHT
MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRKS, DBLE ANCHOR, FAB'D SHOES
NON-ASBESTOS REAR BRAKE LINING
CAM BRAKE AUXILIARY SUPPORT BRACKETS
CAST IRON OUTBOARD REAR BRAKE DRUMS
REAR BRAKE DUST SHIELDS
CHICAGO RAWHIDE SCOTSEAL REAR OIL SEALS
MGM TR, TAMPER PROOF 2-DRV AXLES SPRING-PARKING CHAMBERS
GUNITE AUTOMATIC REAR SLACK ADJUSTERS
40,000# 4-SPRING FLAT LEAF REAR SUSPENSION
SPRING SUSPENSION - NO AXLE SPACERS
STANDARD U-BOLT PAD
52" AXLE SPACING
HEAVY DUTY FORE/AFT CONTROL RODS

BRAKE SYSTEM EQUIPMENT

AIR BRAKE PACKAGE
WABCO 4S/4M ABS W/O TRACTION CONTROL ENHANCEMENT
REINFORCED NYLON, FABRIC BRAID & WIREBRAID CHASSIS AIR LINES
STANDARD BRAKE SYSTEM VALVES
RELAY VALVE W/ 5-8 PSI CRACK PRESSURE NO REAR PROPORTIONING VALVE
STEEL AIR BRAKE RESERVOIRS
PULL CABLES ON ALL AIR RESERVOIRS

WHEELBASE

234"/5950MM WHEELBASE

FRAME

11/32" X 3-1/2" X 10-15/16" STEEL FRAME (8.73MM X 277.8/.344" X 10.94") 110KSI
1/4"(6MM) C-CHANNEL INNER FRAME REINFORCEMENT
STANDARD SUSPENSION CROSSMEMBER
STANDARD REARMOST CROSSMEMBER

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SQUARE END OF FRAME

CHASSIS EQUIPMENT

12" PAINTED STEEL BUMPER - THREE PIECE WITH COLLAPSIBLE ENDS
SINGLE LICENSE PLATE BRKT BELOW BUMPER
HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS

FUEL TANKS AND EQUIPMENT

45 GAL / 170 LITER SHORT RECTANGULAR STEEL FUEL TANK - RH
NO LH FUEL TANK
RECTANGULAR FUEL TANK(S)
PLAIN ALUMINUM/PAINTED STEEL FUEL/ HYDRAULIC TANK(S) WITH PAINTED BANDS
FUEL TANK(S) FORWARD
FUEL TANK CAP(S)
ALLIANCE FUEL/WATER SEPARATOR WITH INDICATOR LIGHT
EQUIFLO INBOARD FUEL SYSTEM

FRONT TIRES, HUBS, WHEELS

MICHELIN XZY.....425/65R 22.5 20 PLY
CONMET HIGH CAPACITY ALUMINUM FRONT HUBS
ACCURIDE 29054 22.5X12.25 10-HUB PILOT 4.75 INSET 5-HAND STEEL DISC FRONT WHLS

REAR DRIVE TIRES, HUBS, WHEELS

MICHELIN XDA H/T.....11R 22.5 14 PLY
CONMET ALUMINUM REAR HUBS
ACCURIDE 28408 22.5X8.25 10-HUB PILOT 2-HAND STEEL DISC REAR WHEELS

CAB EXTERIOR

106" BBC RAISED STEEL CONVENTIONAL CAB
HYSTEC CAB MOUNTS
2" FENDER EXTENSIONS
PAINTED PLASTIC GRILLE
FIBERGLASS HOOD
SINGLE ELECTRIC HORN
ALL LOCKS KEYED THE SAME
SINGLE RECTANGULAR HALOGEN HEADLIGHTS
(5) AMBER MARKER LIGHTS
INTEGRAL STOP/TAIL/BACKUP LIGHTS
STANDARD FRONT TURN SIGNAL LAMPS
DUAL PTD WEST COAST MIRRORS
DOOR MOUNTED MIRRORS
96" EQUIPMENT WIDTH

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LH/RH 6" CONVEX MIRRORS, BRIGHT FINISH, MTD UNDER PRIMARY MIRRORS
RIGHT HAND DOWN VIEW MIRROR
NO AUXILIARY MIRROR
STANDARD SIDE/REAR REFLECTORS
29"X13" DUAL CLEAR REAR WINDOWS
TINTED DOOR GLASS LH & RH WITH TINTED OPERATING WING WINDOWS
MANUAL DOOR WINDOW REGULATORS
TINTED WINDSHIELD
2.5 GALLON WINDSHIELD WASHER RESERVOIR MTD UNDER RH DECK

CAB INTERIOR

OPAL GRAY VINYL INTERIOR
VINYL DOOR TRIM
VINYL DOOR TRIM
BLACK MATS W/SINGLE INSULATION
DASH MOUNTED ASH TRAYS & LIGHTER
CENTER STORAGE CONSOLE, FLOOR
HEATER, DEFROSTER AND AIR CONDITIONER
MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH
STANDARD HEATER PLUMBING
CAB INSULATION
CIRCUIT FUSES
12V NEGATIVE GROUND ELECTRICAL SYSTEM
DOME LITE W/3-WAY SWITCH ACTIVATED BY LEFT HAND DOOR(S)
CAB DOOR LATCHES WITH MANUAL DOOR LOCKS
BOSTROM TALLADEGA 910 MID-BACK AIR-SUSPENSION DRIVER SEAT
SEARS NON-SUSPENSION MID BACK PASSENGER SEAT WITH FORE & AFT ADJ (DURA-FORM)
VINYL W/VINYL INSERT, DRIVER'S SEAT
FIXED STEERING COLUMN
TWO-SPOKE 475MM (19") STEERING WHEEL
DRVR/PASS INTER SUN VISORS

INSTRUMENT PANEL AND CONTROLS

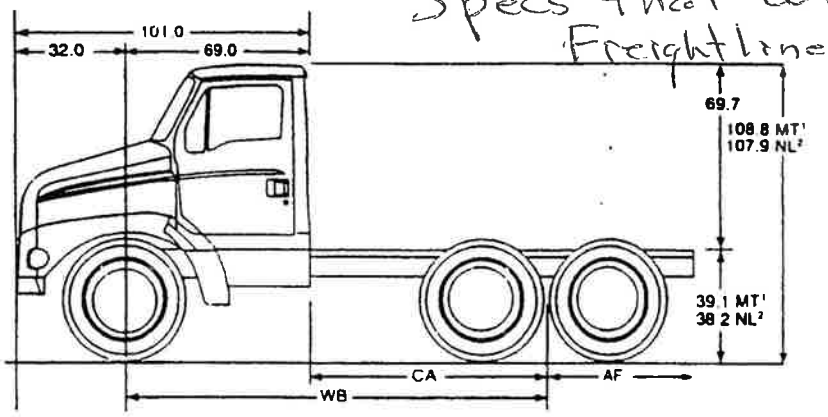
BUSINESS CLASS GAUGE CLUSTER
GRAY INSTRUMENT PANEL-DRIVER
LOW AIR PRESSURE LIGHT AND BUZZER
PRIMARY & SECONDARY AIR PRESSURE GAUGES
AIR RESTRICTION INDICATOR MTD ON INTAKE
PROGRAMMABLE RPM CONTROL FOR 3126 (FS65 ONLY)
DASH MOUNTED START CONTROL

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ODO/TRIP/HOUR/DIAGNOSTIC/VOLTAGEDISPLAY 1X7 CHAR,26 WRNG LAMPS,DATA LINKED ICU3	
DIAGNOSTIC INTERFACE CONNECTOR, 6 PIN, SAE J1587/1708, LOCATED BELOW DASH	
ELECTRIC FUEL GAUGE	
ELECTRICAL ENGINE COOLANT TEMP GAUGE	
TRANSMISSION OIL TEMPERATURE INDICATOR LIGHT	
ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY	
ELECTRIC ENGINE OIL PRESSURE GAUGE	
F/L XTA-2100 AM/FM/WB CASSETTE RADIO BY DELCO	
ROOF/OVERHEAD CONSOLE MOUNTED RADIO	
(2) RADIO SPEAKERS (CAB ONLY)	
AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF	
ELECTRONIC MPH SPEEDOMETER W/ SECONDARY KPH SCALE, W/O ODOMETER	
ELECTRONIC TACHOMETER 3000 RPM	
NO TRACTOR PROTECTION VALVE	
NO TRAILER HAND CONTROL BRAKE VALVE	
DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY	ICU3
SINGLE ELECTRIC WINDSHIELD WIPER MOTOR W/DELAY	
MARKER LIGHT SWITCH INTEGRAL W/HEADLIGHT SWITCH	
GROTE SELF CANCEL TURN SIGNAL SWITCH W/DIMMER & HAZARD	
THERMAL TURN SIGNAL FLASHER	
PAINT DESIGNS	
PAINT: ONE SOLID COLOR	
Cab Color A: IMRON N0007 WHITE	
Chassis: BLACK HIGH SOLIDS POLYURETHANE	
Front Wheels: FRONT WHEEL PAINT VENDOR WHITE	
Rear Wheels: REAR WHEEL PAINT VENDOR WHITE	
ADDITIONAL SPECIFICATIONS	
• ENGINE FAN SWITCH	

Specs that were needed Freightliner was the truck.



Model	**101", BBC Heavy Duty 6X4 (LT7501)**
Wheelbase	**WB = 237, CA = 168", AF = 90"**
Engine	**Cat 3126 Electronic/300 HP/2400 RPM**
Transmission	**Allison MD-3066, 6-Speed Electronic**
Front Axle	**20,000 lb Front Axle**
Rear Axle	**46,000 lb Rockwell RT-40-145, Steel 1S, Ratio: 7:17**
GAWR	**Front: 20,000 lb, Rear: 40,000 lb**
GVWR	**Frame 64,000, Total: 64,000 lb**
Chassis Curb Weight	**Front: 8,160 lb, Rear: 7,539 lb**

27.0 SM Frame, 120,000 PSI
Frame Ends, Rear Square Cut
Huck Fasteners
20,000 lb Front Axle
20,000 lb Capacity W/Leaf Spring (54" Spread)
46,000 lb Hendrickson RT2-400 (52" Axle Spacing)
Air Brakes Front Cam 16.5" x 6"
Air Brakes Rear Cam 16.5" x 7"
Brake Drums, Full Cast, Front & Rear
King Pin Bushings - Bronze
Differential, Inter-Axle, Full Lock Driver
Differential(s), Main, Non-Locking
Drag Link & Tire Rods, Greaseable
Hubs, Front & Rear, Ductile Iron
Magnetic Traps, Rear Axle, Drain & Fill
Dual Power Steering, Ross TAS-65/RCS-55
Wheel Seals Front, Wet Type, Oil
Wheel Seals Rear, C.R. Scotseal
ABS, Antilock Brake System, Full Vehicle
Air Comp, 13.2 CFM Bendix Tu-Flow 550
Air Reservoir, Steel
Brake Dust Shields
Drain Cocks - Manual
Parking Brake, Maxi II (4 Wheel)
Slack Adjusters Front, Auto Gunite 5.5"
Slack Adjusters Rear, Auto Gunite 5.5"
Steel Cab, Value Int Trim, Med Graphite
Cab Mount, Rear, Conventional Rubber
Grille, Painted
Tilting Hood, Fiberglass
Horn, Single Electric
Mirrors Dual Western, Painted
Mirrors Convex, Dual 5.5", Painted
Mirror Arms, 96"
Rear Window, Fixed, Solar Tinted
Door Vent Windows, Solar Tinted, LH & RH
Splash Guard, Wheel Lip - Rubber
Windshield & Side Glass, Solar Tinted
Windshield Wipers, Interval, Electric

Air Conditioning
Cigar Lighter Dash Mounted
Floor Mat, Full Vinyl
Heater, Defroster/Demister & Fresh Air
Map Pocket, LH Door
Radio, Electronic AM/FM Stereo
Dome Light, Center Mounted
Steering Column, Stationary
Steering Wheel 18" Diameter
Sun Visors LH & RH
Seat Belts Driver & Passenger, Lap & Shoulder
Driver's Seat: National Mid-Back Air Suspension
Passenger's Seat: National Mid-Back Fixed Economy
Driver's Seat: Lumbar Support
Air Cleaner Mtd Restriction Indicator
Hobbs Engine Hour Meter. Oil Pressure Activated
Gauges, Electronic Cluster
Gauges RH Control Panel, Flat Gauge
Parking Brake Control Dash Mounted
Turn Signal Switch, Self-Canceling
Warning Light & Buzzer - Air Brakes
Circuits. Customer Access, Aux. Circuits
Circuits. Customer Access, IP Fuse Panel
Circuits. Access Circuits Connector
Circuit Protectors, Fuses
Flasher Emergency
Head Lights, Two Rectangular Halogen
Lights Cab Marker, (5 Lights)
Switch Package, Auxiliary
Turn Signal & Side Marker Combo Lamps
Alt 100 Amp Delco Internally Regulated
Batteries: 2 - 96, Amp 900 CCA Motorcraft Grp 31
Vertical Muffler & Outlet, RH, Plain
Exhaust Rain Cap(s)
Air Cleaner, Donaldson Single Stage
Air Intake Source, Outside Air
Air Intake Heater
Engine Mounts, Compression Type
Engine Shut-Off (Solenoid), Ignition Key
Fan Clutch, Kysor "On-Off"
Fuel Filter, Engine Mounted, Cat 1R0751
Oil Filter, One 2.6 Qt., Fleetguard LF3000
Oil Filter, Engine Mtd, 1 Gal, Cat 1R0739
Fuel Pump, Electronic
Fuel/Water Separator, Fleetguard Non-Htd
Governor, Electronic
Oil Cooler. Integral
Hose, Radiator, EPDM Rubber
Speed/Cruise Control
Starter. Delco 12 Volt
Starter, Interlock, Clutch Pedal Activated
Extra Cooling Radiator
Paint - ~~White~~ White
Steel, 55 Gal Dual Rectangular. Shallow
Fuel Tank(s) Rear Mounted
Fuel Tank Steps, Cab Length
Floor Mounted Lever Control Console
Transmission Rear Support
Max Feature E.C.U. (Sewer Cleaner)
Tubeless Radial 425/65R22.5-18. 20,000
Goodyear Unisteel G286
Disc 10 H Steel 22.5x12.25, ISO
Tubeless Radial 11R22.5-14, 21,200
Goodyear Unisteel G124
Disc 10H Steel 22.5x8.25 ISO

CHASSIS DEALER DATA REQUIRED:

Customer: LANCASTER AREA SEWER Chassis Dealer: _____
Chassis Dealer Phone: _____ Chassis Dealer Contact: _____
Chassis Order Date: _____ Delivery Date To Vactor____ Dealer Order#_____

CHASSIS DATA REQUIRED:

Year:_____ Make:_____ Model:_____ GVW Rating: 60,000
WB: 237" CA/CT: 168" AF: 90 In.
(Minimum after-frame: 47" single axle, minimum 75" tandem axle)

Set Back Axle:	Yes ___	No___			
Front Axle Rating:	16,000#___	18,000#___	20,000# X	Other:_____#	
Front Suspension:	16,000#___	18,000#___	20,000#___	Other:_____#	
Front Tire Rated:	16,000#___	18,000#___	20,000#___	Other:_____#	
Front Tire Size/Ply:	_____				
Rear Axle:	23,000#___	34,000#___	40,000#___	46,000# X	Other:_____#
Rear Suspension:	23,000#___	34,000#___	40,000#___	46,000#___	Other:_____#
Rear Tires:	23,000#___	34,000#___	40,000#___	46,000#___	Other:_____#
Rear Tire Size/Ply:	_____				

ENGINE TRANSMISSION INFORMATION:

Engine Make:_____ Model:_____ HP:_____ RPM:_____
All electronic engines require cruise control function.
Transmission Make: Allison____ Fuller____ Spicer____ Rockwell____ Mack____
Transmission Model:_____ (Consult factory for PTO and water pump capabilities)

FEATURE: E.C.U. Max Feature is required with all positive displacement units using Allison New World MD transmissions. High-range lock-up is required on all MT or HT Series Allison transmissions.

E.C.U. MAX FEATURE CODES:
FORD: 57 DEC00___ NAVISTAR: 13WTE___ FREIGHTLINER: 343024___ MACK: 779323___

PAINT DATA:

Chassis Factory Paint #:_____ and Color #:_____
Cab Paint Required: Yes ___ No ___ Paint#:_____ and Color#:_____
Module Paint #:_____ and Color #:_____ Match Cab: Yes ____ No____
Type of Paint: #P110 _____ White only with direct to metal application
#P111 _____ Acrylic enamel with primer base
#P112 _____ Imron with primer base