

CITY COUNCIL MEETING

August 5, 1981

Continued August 5, 1981

SPECS FOR
STREET
DEPARTMENT
DUMP TRUCK
APPROVED

COUNCIL APPROVED THE SPECIFICATIONS FOR ONE (1)
1982 MODEL DIESEL DUMP TRUCK AND AUTHORIZED THE
PURCHASING AGENT TO ADVERTISE FOR BIDS THEREON.



CITY OF LODI

PUBLIC WORKS DEPARTMENT

COUNCIL COMMUNICATION

TO: City Council
FROM: City Manager
DATE: July 28, 1981
SUBJECT: Approve Specifications for Street Department Dump Truck

RECOMMENDED ACTION: That the City Council approve the specifications for One (1) 1982 Model Diesel Dump Truck and authorize the purchasing agent to advertise for bids to be received on Wednesday, August 26, 1981.

BACKGROUND INFORMATION: This Diesel Dump Truck was approved in the Operating Budget for 1981-82 in the amount of \$41,400. This truck is assigned to the Street Department.

Jack L. Ronsko
Public Works Director

cc: Bob Holm

JLR:sib

APPROVED:

HENRY A. GLAVES, City Manager

FILE NO.

NOTICE TO BIDDERS AND SUPPLIERS
OF TRUCK CAB CHASSIS AND DUMP BODY ASSEMBLY

The City of Lodi invites sealed proposals for furnishing one 1982 Truck Cab Chassis and Dump Body Assembly with emulsion tank conforming to specifications on file in the office of the Public Works Director, City Hall, Lodi, California where copies of said specifications may be inspected or obtained.

Sealed proposals shall be delivered to the Purchasing Agent at the City Hall, 221 West Pine Street, Lodi at or before

11:00 A.M., WEDNESDAY, AUGUST 26, 1981

and will be opened on the above day and hour in the office of the Purchasing Agent, City Hall, Lodi, California.

The City of Lodi reserves the right to reject any or all bids, or to accept other than the lowest bid.

*

Reference is hereby made to said specifications for further details, which specifications and this notice shall be considered part of any contract made pursuant thereto.

R.H. Holm
Purchasing Agent

PROPOSAL

To the Purchasing Agent
 City Hall
 221 West Pine Street
 Lodi, California 95240

The undersigned declares that he has carefully examined the specifications for the 1982 Truck Cab Chassis and Dump Bed Assembly with Emulsion Tank and submits this schedule of prices for the items of his bid.

1 - 1982 Truck Cab Chassis and Dump Bed Assembly
 with Emulsion Tank and Diesel Engine (No Trade-In Vehicle)

Total \$ _____

6% Sales Tax \$ _____

TOTAL AMOUNT OF BID \$ _____

Estimated Delivery Date _____ Days.

State period of full engine warranty: Time _____ Miles _____

	As Specified	As Bid
Size	Cab-over, BBC 78-86 inch, CA 104-110 inch, W.B. 130-140 inch. OAL not over 255 inch. GVRW 27,500 lbs. Dump box capacity 4 cubic yards. Capacity lifting load 12 ton.	
Front Springs	4,500 pounds each side.	
Front Axle	9,000 pounds or more.	
Rear Springs	10,500 pounds or more with aux. each side.	
Rear Axle	17,500 - 18,500 pounds.	
Differential	Single speed with automatic transmission ratio 5.75 to 1 - 1.85 to 1 (vehicle to maintain 58 - 62 MPH in high with 8 ton load on level roadway).	

Specifications
 1982 Truck Cab Chassis and Dump Bed Assembly
 With Emulsion Tank
 Page 2

	As Specified	As Bid
Transmission	Full automatic, Allison AT643, 4 speed, with PTO for dump hoist. Heavy duty transmission cooler to be supplied.	
Brakes	Full air, S-Cam or wedge type, conforming to 121 specifications. Lines and couplers with dust cover to rear for trailer towing, 7-way light connector. Approved parking, hand operated brake, separate from service system. <u>12 cubic foot capacity compressor (see emulsion tank).</u>	
Wheels and Tires	Size 10.00 x 20, 12 ply, 10 hole disc wheels, spare tire and wheel, jack and tools shall be included. Wheels to be painted white.	
Steering	Power, full time.	
Fuel Tank	50 gallon capacity, diesel, mounted on left side of vehicle. The tank shall be ICC approved for trailer towing. Emulsion tank to be mounted on right side.	
Diesel Engine	Engine shall be not less than 165 net horsepower. V-8 or inline 6 cylinder approved and certified for use in California. Shall be compatible with AT643 Allison automatic transmission. Engines submitted shall be of a standard design and comparable to the CAT 3208 model diesel engine, or Detroit Diesel.	
Electrical	Alternator 70 amp - 1050 watt, batteries, 95 amp hour. Light group complete, shall meet California Motor Vehicle Code. <u>Tail and brake lamps shall be recessed into dump body rear corner posts. All clearance lamps shall be protected. Four 3 inch diameter red reflectors shall be supplied. Two will be mounted on side of rear body posts directly above rear clearance lamps. Tail lamps shall be recessed into dump body rear corner posts.</u>	

Specifications
 1982 Truck Cab Chassis and Dump Bed Assembly
 With Emulsion Tank
 Page 3

	As Specified	As Bid
Mirrors	2 outside below eye level or West Coast type.	
Windshield	Tinted non-glare.	
Heater-Defroster	Fresh air type.	
Seats	Full width bench type, 3 sets of seat belts. Light or medium color upholstery.	
Towing Pintle Hook	Pintle hook capacity of 18,000 pounds, 2 safety chain eye or D rings. Pintle hook height 28 inches.	
Color	Federal Yellow - roof and cab sides white, wheels and rims white, frame assembly black, interior color medium color blend. Running boards and door step to be coated with black non-skid paint. Front bumper to be painted white or chrome.	
Dump Bed Design and Size	Outside overall length shall be 144" min., overall width 94", inside usable length 135", height of bed sides 24" above floor level. The outer sides at the floor level shall be tapered, 4" up the sides. Front section of the bed shall be 24". Attached to the top of the 24" front section shall be a full width metal upright extension which shall follow up and over the vehicle cab roof line for 1/2 cab protector. The extension shall have a cut out section in line with the rear cab window and shall be covered with suitable gauge metal to protect the cab glass and provide visibility to the rear of the bed section. The bed sides (4 corners) shall have provisions for adding side boards along both sides 6" high. The width of the side board provisions shall be 2-2 1/2". The usable bed cubic area without side boards shall be rated not less than 4 cubic yards.	

Specifications
 1982 Truck Cab Chassis and Dump Bed Assembly
 With Emulsion Tank
 Page 4

	As Specified	As Bid
Rear Dump and Frame	The rear area of the dump bed and rear cross member shall allow the towing trailer air brake connectors (glad hand) to be protected from breakage when the tail gate is in the full down position. The glad hands shall be provided with dust protectors (attached with link chains). All lights and license plate shall be protected from rear loading operations and tail gate action.	
Tailgate	The rear tailgate shall be full weight metal and extend the full width of the bed. The tailgate shall be readily removable and hinged at both the top and bottom for a two way action. Proper arrangement of chains of adequate size shall be provided. The tailgate shall be controlled by mechanical rod action and the lever mounted at the left front corner for the drivers convenience. The tailgate shall be hinged so as to provide a flush fit with the floor when the tailgate is in the straight out, extended position. The top hinge arrangement shall be such as to allow large objects to pass through in the dumping operation. The height of the tailgate shall be not less than 5 inches higher than the sides of the bed section.	
Hoist	The hoist assembly shall be <u>full subframe</u> twin arm hoist, mounted in conjunction with the truck frame assembly to provide the lowest profile possible and insure maximum leverage, durability, stress points and engineered to a 13.5 ton capacity rating. Model and rating plates shall be affixed to the bed assembly. The hoist shall be of the single cylinder twin arm or double cylinder model under the bed, between the main frame rails. Hoist and PTO controls shall be cab mounted for ease of drivers operation and shall be labeled as to function (i.e. up-down, PTO-disengaged, etc.). The bed floor shall not exceed 46 inches from the ground.	

Specifications
 1982 Truck Cab Chassis and Dump Bed Assembly
 With Emulsion Tank
 Page 5

	As Specified	As Bid
Lighting Group	<p>All required California Motor Vehicle Code lighting shall be provided and mounted in a guarded area or shielded, flush mounted to obtain maximum protection of the lights from loading operations and dumping of heavy objects. An amber strobe model Napa 510 shall be mounted on the overhead cab protector centered near the front for visibility in a full 360° area. The light wiring shall be protected against chafing and objects. The lamp unit assembly shall be level at all angles of the dump bed position.</p>	
Miscellaneous	<p>2 front tow hooks, 2 arm rests, 2 sun visors, windshield washer, mud shields, ahead of rear tires, mud flaps on hangers installed behind rear wheels. 1 copy of operators and maintenance manuals pertaining to the dump, hoist, PTO, automatic transmission and the cab chassis shall be included at no extra cost.</p>	
Emulsion Tank	<p>A right side mounted emulsion and diesel fuel tank shall be supplied. Tank is to be mounted at location on drawing E1-D15-1A as high as possible to give to maximum ground clearance. Tank will be equipped with a hot water heat exchanger and with air pressure forcing discharge of emulsion. Hot water for exchanger will be supplied and coupled to truck cooling system. Air pressure supplied will be from the 12 cubic foot air brake compressor. Details of tank construction and plumbing are shown on drawings E1-C64-1A, E1-C64-2, E1-C64-3, E1-C64-4A and E1-C14-1. If necessary, a 1 inch "T" and close nipple may be substituted for item "B" as shown on drawing E1-C64-2. Emulsion discharge line will be mounted on right side of truck frame to rear of body and fitted with Dixon "Boss" Style X34 stud coupling half. Emulsion tank and installation to be as per City Vehicle #59 Ford Dump. Additional information may be obtained from the Maintenance Supervisor or Street Supervisor located at the Municipal Service Center, 1331 South Ham Lane, Lodi between 8:00-5:00 weekdays.</p>	

Specifications

1982 Truck Cab Chassis and Dump Bed Assembly

With Emulsion Tank

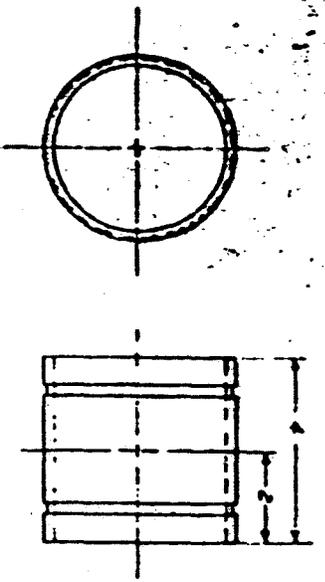
Page 6

NAME OF BIDDER _____ **DATE** _____

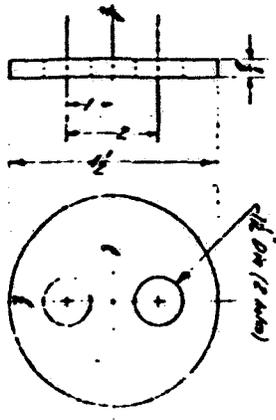
BY _____

ADDRESS OF BIDDER _____

PHONE NUMBER _____



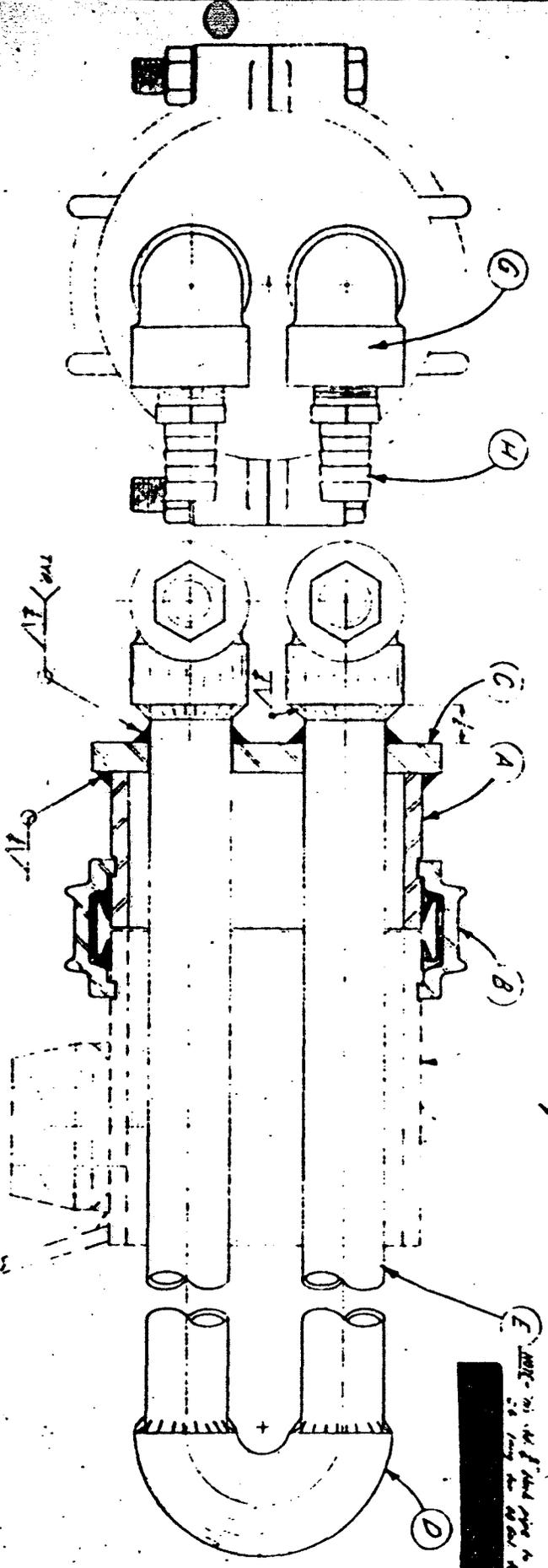
NOTE: This drawing is not an exact reproduction from the original design.



NOTE: SEE DIM 'C'

NOTE: SEE DIM 'A' AND 'B'

NOTE: SEE DIM 'E'



ROBERT L. DALY
916-445-1057

CALTRANS
3474 St + STOCKTON BLVD

BILL OF MATERIAL

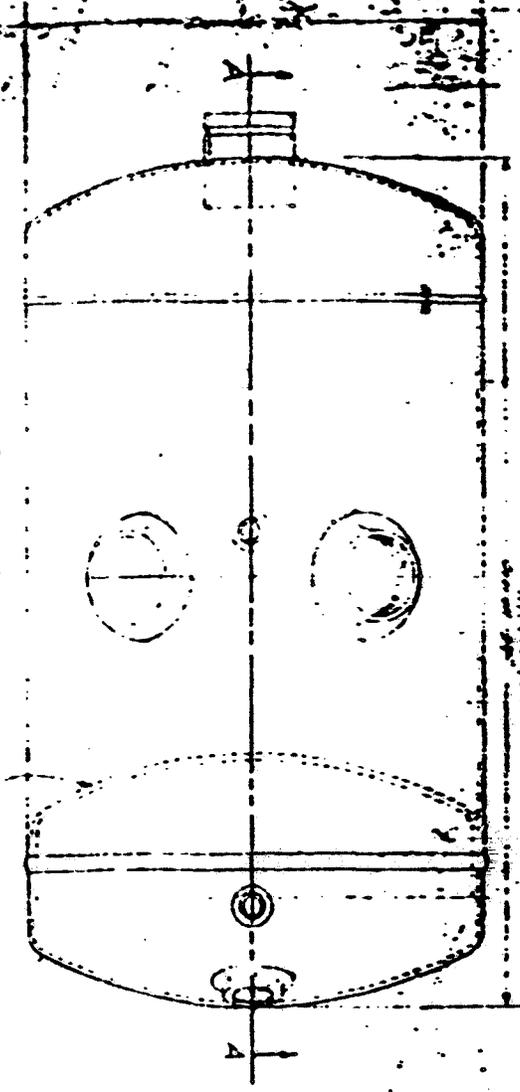
ITEM	QTY	DESCRIPTION
A	1	WASHER - 1/2" DIA. X 1/4" THICK
B	1	WASHER - 1/2" DIA. X 1/4" THICK
C	1	WASHER - 1/2" DIA. X 1/4" THICK
D	1	WASHER - 1/2" DIA. X 1/4" THICK
E	1	WASHER - 1/2" DIA. X 1/4" THICK
F	1	WASHER - 1/2" DIA. X 1/4" THICK
G	1	WASHER - 1/2" DIA. X 1/4" THICK
H	1	WASHER - 1/2" DIA. X 1/4" THICK

DIVISION OF HIGHWAYS
EQUIPMENT DEPARTMENT

CALTRANS

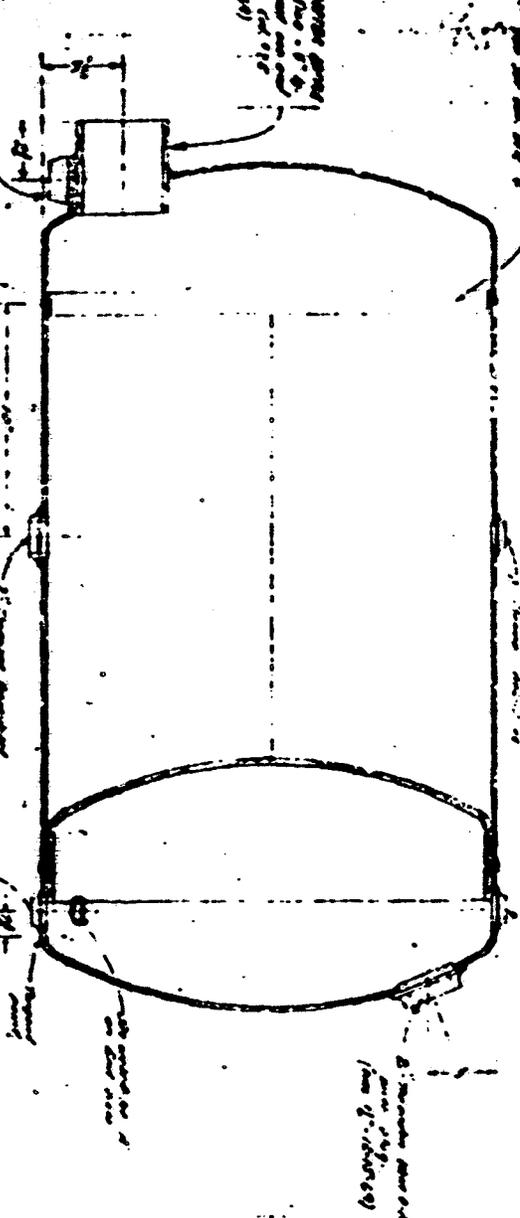
3474 ST + STOCKTON BLVD

916-445-1057

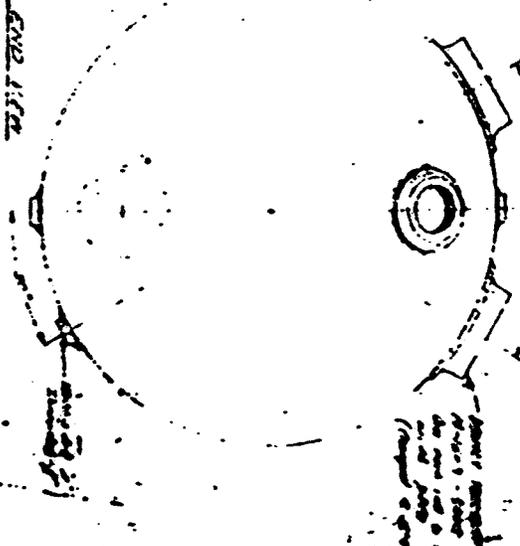


APPENDIX

SECTION A-A
 1. - Show the view as shown, drawn to scale 1/8" = 1'-0"
 2. - Show the view as shown, drawn to scale 1/8" = 1'-0"
 3. - Show the view as shown, drawn to scale 1/8" = 1'-0"
 4. - Show the view as shown, drawn to scale 1/8" = 1'-0"

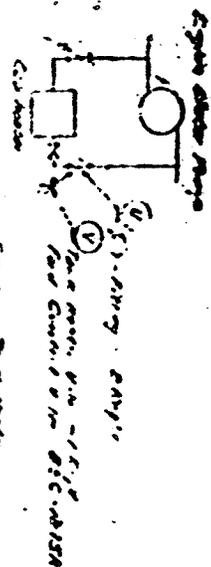
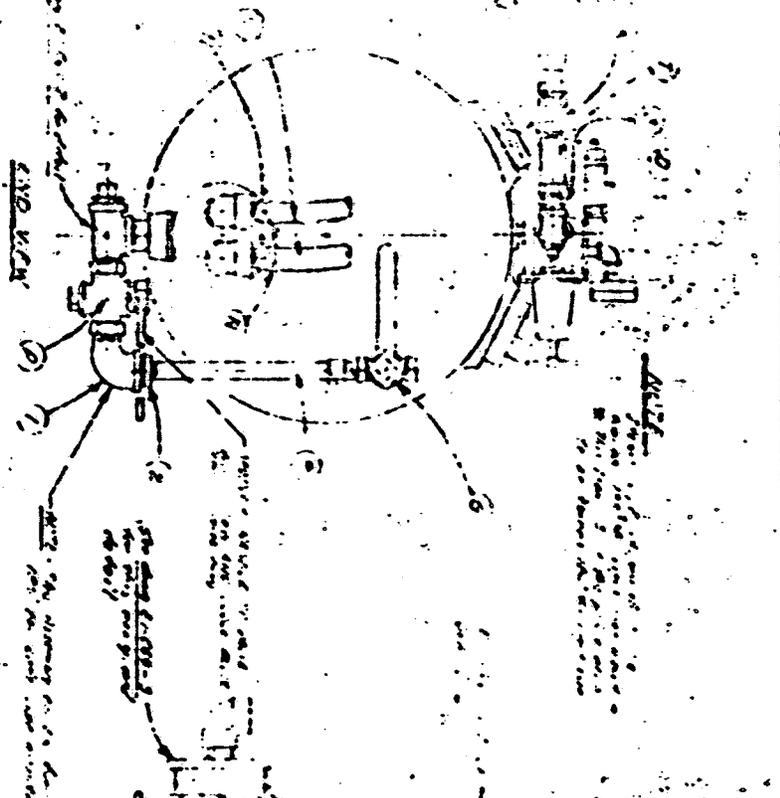


SECTION A-A



END VIEW

THE UNIVERSITY OF CHICAGO DIVISION OF NOMOLOGY CONSULTING ENGINEERS	
PROJECT NO. 100-100 DRAWING NO. 100-100	DATE 10-1-50 SCALE 1/8" = 1'-0"
DRAWN BY [Name] CHECKED BY [Name]	APPROVED BY [Name]



AIR LINE TO MOTOR

PIPE LIST

Item No.	Size / Material
1	1" 90° Elbow
2	1/2" Tee
3	1/2" Tee
4	1/2" Tee
5	1/2" Tee
6	1/2" Tee
7	1/2" Tee
8	1/2" Tee
9	1/2" Tee
10	1/2" Tee
11	1/2" Tee
12	1/2" Tee

BILL OF MATERIALS

Item No.	Quantity	Description
1	1	See Pipe Schedule
2	1	See Pipe Schedule
3	1	See Pipe Schedule
4	1	See Pipe Schedule
5	1	See Pipe Schedule
6	1	See Pipe Schedule
7	1	See Pipe Schedule
8	1	See Pipe Schedule
9	1	See Pipe Schedule
10	1	See Pipe Schedule
11	1	See Pipe Schedule
12	1	See Pipe Schedule

AIR LINE TO MOTOR

DIVISION OF MILITARY
EQUIPMENT DEPARTMENT

REPORT OF INSPECTION
EQUIPMENT DEPARTMENT

APPROVED FOR THE
EQUIPMENT DEPARTMENT

DATE
EQUIPMENT DEPARTMENT

BY
EQUIPMENT DEPARTMENT

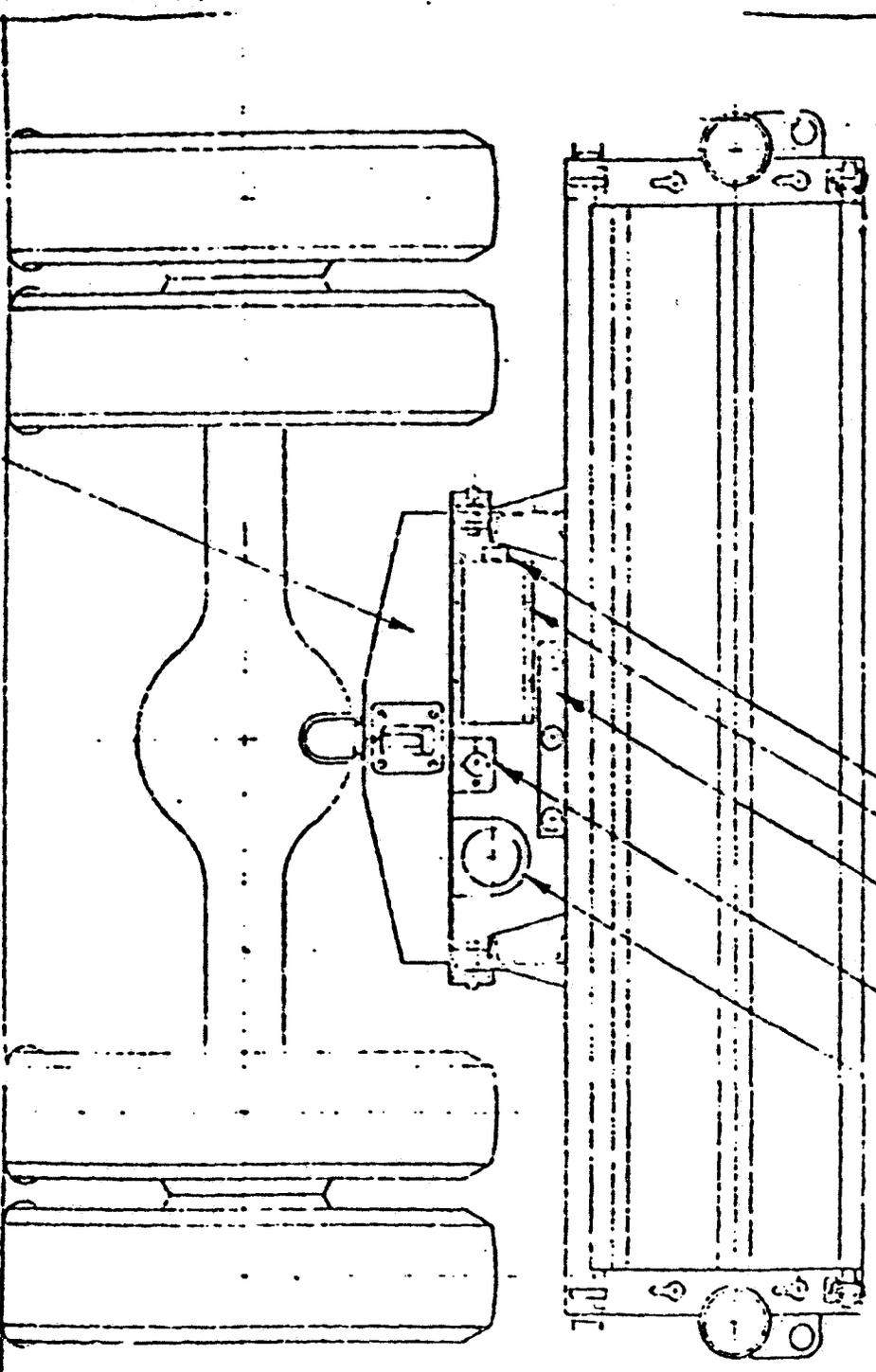
FOR THE
EQUIPMENT DEPARTMENT

REMARKS
EQUIPMENT DEPARTMENT

DATE
EQUIPMENT DEPARTMENT

BY
EQUIPMENT DEPARTMENT

NOTE: The pressure of the air line is to be maintained at 100 lbs. per sq. in. at all times.



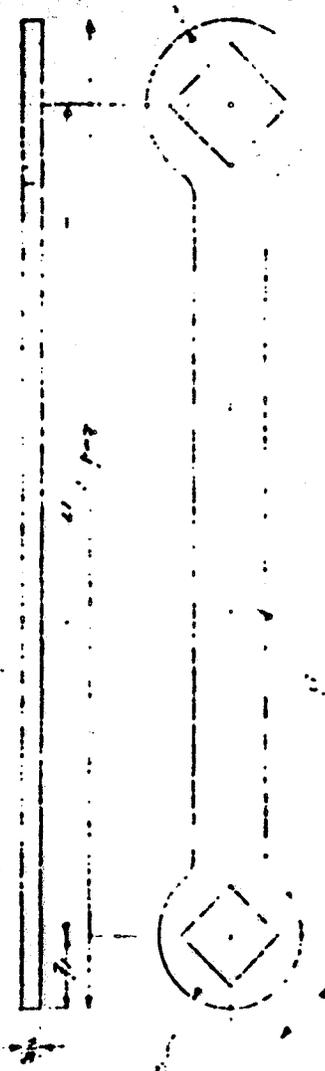
DRIVE SHAFT
 EAR WASHERS SET

LEFT VIEW

DRIVE SHAFT WASHERS
 EAR WASHERS SET

X

STATE OF MICHIGAN
 DEPARTMENT OF HIGHWAYS
 DIVISION OF HIGHWAY EQUIPMENT



SCALE 1/4" = 1'



STATE OF MICHIGAN
 DEPARTMENT OF HIGHWAYS
 DIVISION OF HIGHWAY EQUIPMENT

STATE OF MICHIGAN
 DEPARTMENT OF HIGHWAYS
 DIVISION OF HIGHWAY EQUIPMENT

Div. of Highways

No.	Description	Quantity	Unit Price	Total
1
2
3
4
5
6
7
8
9
10

STATE OF MICHIGAN
 DEPARTMENT OF HIGHWAYS
 DIVISION OF HIGHWAY EQUIPMENT

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