SCORE: Workers' Compensation Claims (WC)

2018-To Date



SCORE: What Type of WC Claims Are We Having?



Incurred by Claim Type by Year

- Return to Work Programs <u>KEY</u> to controlling many lost time claims cost
 - Medical Portion (TPA)
 - Indemnity (temporary disability payments)
- This will be a focus in 2025

ITIAL INJURY PACKET	gement Progra	am				CSRMA: Workers' Compensation Management Program
				CONFIDE	TEE STATUS REPOR	INITIAL INJURY PACKET
EMPLOYEE NAME:	DATE OF IN.	IURY:		APPOINTMENT DATE	TIME IN:	WORK STATUS
DATE OF BIRTH:	DEPARTMEN	NT:			TIME OUT:	
EMPLOYER:				NEXT APPOINTMEN	T INJURY TYPE:	After each medical appointment, report to your Supervisor and provide the completed Employee Status Report/ Status. Your work status will be determined and you will be advised to take one of the following sets of actions:
(Name, Address, Telephone)				DATE:	First Aid	
] "Yes, I have reviewed the Employee'	s Usual & Cus	tomary job d	escription p	rior to addressing work s	tatus."	A If you are released to Llevel & Customany position (full duty):
				WORK STATUS		A. Il you are released to osual & customary position (fun duty).
THE OF INJURT.		A. RELE	ASED TO USU	AL & CUSTOMARY ON (Date):		
PHYSICAL THERAPY:		B. RELE	ASED TO RES	RICTED DUTY ON (Date):		Heturn to work and report for duty with your completed <i>Employee Status Report work Status Form</i> in
sessions per week for weeks		🗌 С. ТОТА	L TEMPORARY	DISABILITY EFFECTIVE (Date):		
SURGERY SCHEDULED?:			D.175.05			Return to Treating Physician for any indicated follow up appointments until you are released from care.
□NO □YES, DATE:	-	MAXIMUM MEI	DATE OF DICAL IMPROV	EMENT:		in communication with your employer if you need to take time off for medical appoints due to this injury.
		WORK AB	ILITIES			your work status changes, bring a completed <i>Employee Status Report/Work Status Form</i> back to the Workers' Compensation Coordinator and await a decision about your work assignment (see B & C below
Maxir	num hours En	nployee can p	erform eacl	n activity per day		
No 6 restriction hours	4 hours h	2 1 nours hour	0 hours	COM	MENTS	
Sitting						
Standing/Walking	H	님님				
Kneeling/Crawling						B. If you have any work restrictions:
Climbing						
Bending	H	님님				Your Supervisor and the Workers' Compensation Coordinator will work with you to determine if an
Pushing/Pulling				Weight limitations:		appropriate Temporary Transitional Assignment is available within your restrictions. If an appropriate positive is available, review and sign the Temporary Transitional Assignment Agreement .
IAND/ARM USE:						
Reaching	H	HH	H			If a Temporary Transitional Assignment is not available, your Workers' Compensation Coordinator will k
Keyboard/Mouse Use		8 8	H			Assignment as your restrictions change
Simple Grasping						Assignment as your restrictions onlinge.
Power Grasping						Continue treatment with the Treating Physician. Return an Employee Status Report/Work Status For
						the Workers' Compensation Coordinator after each appointment and receive a new <i>Employee Status</i>
11-25 lbs.		HH	H			Report for your next appointment.
26-50 lbs.						
50+ lbs.				0/		
Vinat percentage of recovery has the patient a Can Employee work entire shift?	chieved at the tir	The of this appoint Yes	No I	no, how many hours?		C. If you are Totally Temporarily Disabled:
Can Employee work overtime? Does Employee need periodic rest breaks?		☐ Yes		yes, how many hours? yes, how often?		o. If you are rotany reinporting Disabled.
Can Employee operate/work around moving e	uipment?	□ Yes		,00, 0.0011		
Can Employee operate a vehicle/forklift/heavy	equipment?	☐ Yes				If a Temporary Transitional Assignment is not available, your Workers' Compensation Coordinator will k
Jan Employee operate vibrating equipment (ja Can Employee wear a respirator?	ск nammer, etc.)r ∐ Yes □ Yes				In louch with you by telephone periodically during your recovery to reconsider a Temporary Transitional Assignment as your restrictions change
Can Employee enter/work in confined spaces?		☐ Yes	□ No			resignment as your resultations or ange.
Can Employee work at heights? s Employee on any medication that affects we	rk ability?			ves explain		Continue treatment with the Treating Physician. Return an Employee Status Report/Work Status Form
	PH	SICIAN INF	ORMATIO	N		your Workers' Compensation Coordinator after each appointment.
recurre under penalty of penjury that to the best of my inform refund, commission, preference, patronage, dividend, discourt NAME:	t, or other consideration	not violated Californi on for any referral for	examination or eva	luation by a physician.	o, received or accepted any rebate,	
	SIGNATU	RE:		DATE:		
FELEPHONE:	FAX:			E-MAIL:		
PHYSICIAN: Fax to Athens at (925) 889-24 AND give completed original	10 AND Workers o Employee to re	s' Compensation eturn to Supervis	n Coordinator	at:		

· O·				WORK ABILITIES MEMO
υ.	PHYSICIAN:		FROM:	WORKERS' COMP. COORD .:
	MEDICAL CENTER:			AGENCY:
	Email or Fax #:			TELEPHONE #:
	TODAYO DATE	# OF DA OF 0:		Fund the End
	TODAY'S DATE:	# OF PAGES.		Email of Fax #:
		L	IRGENT	
		Please res	spond within 4 ho	ours.
EMP	LOYEE'S NAME:		INCIDENT DATE:	
	Please comp regarding the response to fax at (925) 8 If you refuse to co information below Administrator will of <i>I am unwilling to</i> SIGNATURE OF PI	lete the attached Employe Employee's work abilities me at the address/num 389-2410 or by uploading mplete this form or other and return it to me via ei contact you for further inf o complete the Employee HYSICIAN OR AUTHORIZED	vee Status Report so t as in accordance with her above, and send it to the Claims Porta wise clarify the Emplo mail/fax as soon as po formation. b Status Report at this STAFF MEMBER:	hat I may fully understand your determination Labor Code Section 3762 (c). Email/Fax you to our Third Party Administrator, Athens by I. yee's work abilities, please complete the ssible. In that case, our Third Party time due to the following:
	Please comp regarding the response to fax at (925) 8 If you refuse to co information below Administrator will <i>I am unwilling to</i> SIGNATURE OF PI PRINT NAME & TIT	Note the attached Employe Employee's work abilities me at the address/num 389-2410 or by uploading mplete this form or other and return it to me via er contact you for further information or complete the Employee HYSICIAN OR AUTHORIZED TLE:	vee Status Report so t so in accordance with bler above, and send it to the Claims Porta wise clarify the Emplo mail/fax as soon as po formation. a Status Report at this STAFF MEMBER:	hat I may fully understand your determination Labor Code Section 3762 (c). Email/Fax you to our Third Party Administrator, Athens by I. yee's work abilities, please complete the issible. In that case, our Third Party time due to the following:
2. [Please comp regarding the response to fax at (925) 8 If you refuse to co information below Administrator will (<i>I am unwilling to</i> SIGNATURE OF PI PRINT NAME & TM PRINT NAME & TM	lete the attached Employe Employee's work abilities me at the address/num 389-2410 or by uploading mplete this form or other and return it to me via er contact you for further infor- complete the Employee HVSICIAN OR AUTHORIZED HVSICIAN OR AUTHORIZED TLE: ed that the Employee is a may be work available for a complete the section be E DAILY LIVING: Check sekeeping viping kitchen counters, er grooming (bathing, dress rsonal vehicle hopping ports (fishing, golf, etc.)	vee Status Report so t so in accordance with ber above, and send it to the Claims Porta wise clarify the Emplo mail/fax as soon as po- formation. a Status Report at this STAFF MEMBER: a Totally Temporarily that is of a comparable plow so that I may bett each item that the Em- each item that the Em- chat.) Ar- ing, etc.) Va O to Chat.	hat I may fully understand your determination Labor Code Section 3762 (c). Email/Fax you to our Third Party Administrator, Athens by I. yee's work abilities, please complete the issible. In that case, our Third Party time due to the following: Disabled: I level of activity to the Employee's activities of the understand the Employee's physical ployee is able to perform ild care ge of children): ashing dishes acuuming tidoor gardening her:

Contact me at the number above if you have any questions regarding this request. Thank you.

Industrial I	□ Non-Industrial			TEMPORAR' ASSIGNME	Y TRANSITION	
EMPLOYEE:			DEPARTMENT:			
DATE OF INJURY:			TODAY'S DATE:	:		
TREATING PHYS	ICIAN: (Name & Date of repo	ort or Work status)				
BRIEF DESCRIPT	ION OF INJURY (e.g. sprained	ed right wrist, dislocated left sh	ioulder, etc.):			
WORK RESTRIC	TIONS:					
Modified Describe See Atta	MENT: Usual & Customary Temporary Modificatio ched Temporary Transi	on: itional Assignment D	escription Form			
TEMPORARY TRAN	SITIONAL ASSIGNMENT WORK	K SCHEDULE:				
START DATE.						
END DATE*:						
 Temporal change, c At the end Employee 	End Date is the next men y Transitional Assignmen r until the assignment is d of this Temporary Trans to determine whether or s physical restrictions a y personnel rules and re-	indical appointment dat ints are intended to as a completed, or as other isitional Assignment, the or not a new Temporar and the availability of the pollations apply during	e or two weeks from t sist in the Employee's srwise determined by he Agency will engage y Transitional Assignr ransitional work. g the Transitional Assi	he Start Date which s recovery until med the Agency. e in an interactive pr ment can be assigne ignment.	lever is sooner. lical restrictions rocess with the ed based on the	
All Agence All Agence the undersign ansitional Assign agree that the Employee is w ordinator of the	ed participated in a mee nment for the Employee. Employee will work withi orking outside of these n e situation.	eting with the others in . In order to prevent fu in the work restrictions restrictions, they will i	dicated below in orde, Inther injury or aggrava s prescribed by the Tra immediately inform t	r to determine an ap ation to the Employe eating Physician. If the Workers' Comp	opropriate Temporary ee's present condition any party is aware th pensation	
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Employee All Agencies the undersign agree that the Employee is w fordinator of th PRESENT AT MEETING	ed participated in a mee ment for the Employee. Employee will work withi orking outside of these me e situation. INJURED EMPLOYEE: U&C SUPERVISOR: TRANSITIONAL ASSIGNMENT	sting with the others in . In order to prevent fu- in the work restrictions restrictions, they will i SIGNAT NT SUPERVISOR:	dicated below in orde uther injury or aggrav, s prescribed by the Tr immediately inform t	r to determine an ap ation to the Employs eating Physician. If i the Workers' Comp	opropriate Temporan ee's present condition any party is aware th censation	

Original: Copy w/attachment:

Workers' Compensation Coordinator U&C Supervisor Transitional Assignment Supervisor (if applicable) Employee

WCC: Forward Copy to Claims Examiner w/attachment

MODIFIED DUTY REPORT



Name:		
Job Title / Position	Sité Maintenance	
Report Date		
Injured Area		
Lift(General)		
List any special instructions that are included on the doctor's medical note		

Job Description

No.	Activity	Maximum Lift/Push/Pull
1	Attend Meetings	
2	Clean up (wiping, scrubbing, brooms etc)	
3	Climbing and descending stairs	
4	Climbing portable ladders	
5	Driving a large maintenance vehicle	1
б	Driving Vehicle	
7	Easements (uneven footing, hilly, slippery, loose gravel/dirt	
8	Finger dexterity - fine finger manipulation - grasping with one and two hands	12
9	Must be capable of hanging in a static position in a 'Body Hamess'	
10	Fire Extinguisher size 1	5 lb.
11	Fluorescent Fixture - 4'	S lb.
12	Pipe wrench 24* aluminum	6 lb.
13	Fire Extinguisher size 2	9 lb.
14	Conduit installation (6 ft)	11 lb.
15	Pipe wiench 36* aluminum	11 fb.
16	Chain Saw 18" bar	13 lb
17	Discharge hose lay flat 2'x50'	1310
18	Fluorescent Fixture 8	15 lb
19	Shovel - grasping 2-hands continuous	15 lb.
20	Digging bar 72*	17 lb.
21	Firehase - 1 1/2'x100'	18 /b.
22	motor electric 1/2 hp	18 lb.
23	Rotary Hammer Dnill	18 lb.
24	Suction hose green rigid 2'x20'	18 lb

NO.	Activity	Maximum Lift/Push/Pull
25	2%4%x12 Board	20 lb,
26	Fire Extinguisher 20 lbs	20 lb
27	Gate (Chain linked gait) Open/Close push or pull	20 lb.
28	Pole saw	20 lb.
29	Step ladder - 4 step	20 lb.
30	Cut off saw 14" blade	22 lb.
31	Climbing and descending stairs carrying (25 pounds)	25 lb
32	Computer hardware	25.lb.
33	Hedge trimming	25 lb
34	Office supplies - miscellaneous delivery box	25 lb.
35	Rags-case	25 lb.
36	Chain 3/8'x 20'	28 fb.
37	Discharge hose lay flat - 4" x50'	28 lb
38	Blower operation	30 lb.
39	Portable sampler (empty)	30 lb.
40	Submersible sump pump - 2"	32.15.
41	Wash down hose - pulling	32 lb
42	Gas can - 5 gallon	33 lb.
43	Jack hammer - 30 pound	33 lb.
44	motor electric 1 hp	33 lb.
45	Firehose - 2 1/2'x 50'	34 lb.
46	Waterhose 3/4* x 100'	34 lb.
47	5 gallon bucket tools	35 lb.
48	Confined space blower	35 lb.
49	Fence Post Driver with Handle	35 lb.
50	Grass clippings 10 gallon	35 lb.
51	Hand over Hand - raising a bucket , submersible pump etc with a rope	35 lb.
52	Install electrical lighting fictures	-35 lb,
53	Traffic Cones 28" (stack of 5)	35 lb.
54	Traffic signage	35 lb.
55	motor electric 3 hp	38 lb.
56	Suction hose green rigid 4*x15	38 lb.
57	Boxes containing pumps, valves etc. (light)	40 lb.
58	Empty garbage cans	40 lb.
59	Gate/Butterfly 4*-12* Valve (operate open/close T-handle tool)	40 fb.
60	Gate/Butterfly Valve opener device - mechanical powered	40 lb.

No.	Activity	Maximum Lift/Push/Pull
61	Ladder - 20' extension (fiberglass)	42 lb.
62	5-gallon bucket debris	45 lb.
63	Bollards remove and replace	45 lb.
64	Chemical spayer 5 gallon	45 lb.
65	Confined Space Base (trA28ipod)	45 lb.
66	Drinking water - 5 gallon	45 lb,
67	Manhole lid 24* diameter open (pull)	45 lb.
68	Air Relief Valve	48 lb.
69	Moving wooden pallets	48 lb.
70	Boxes of chemicals	50 lb.
71	General debris asphalt/concrete (demolition/excavation)	.50 lb.
72	Recycle bin empty	50 lb.
73	Sandbags	50 lb.
74	Standard wheel barrow - full	50.lb,
75	Inspection camera - 8" pipe	51 lb.
76	Case of paper	52 lb.
n	Metering Vault Lid	52 lb.
78	Generator 2200 Watt -Gas	53 lb.
79	Plywood 4x8x 5/8	53 lb.
80	Davit Arm (fall protection equipment)	.84 lb.
81	Paint bucket -5 gallons	57 lb.
82	Pipe inspection camera - 12*	58 lb.
83	Asphalt temporary patch	60 lb.
84	Cement sacks - 60 lbs.	.60 lb.
85	Manhole frame 24" (2 person lift) total weight 120 lb.	60 lb.
86	Moving landscape wastes	60 lb.
87	Portable sampler (full)	60 lb.
88	Jack hammer - 60 pound	63 lb.
89	Lumber boards - 2x12x16	64 lb.
90	Pipe inspection camera - 15"	64 lb.
91	Forklift fuel container	66 lb.
92	Generator 3000 Watt - Gas (2 person lift - full weight 134 pounds)	67 lb.
93	Pipe inspection camera - 18"	68 lb.
94	Centrifugal Pump (164 gpm) - 2"	69 lb.
95	Commercial snake	70 lb.
96	Lateral camera	74 lb.

WHAT CAN THIS POSITION DO WITH A 10LB LIFTING WORK RESTRICTION?

Name			
Job Title / Position	Site Maintenance (ALT)		
Task Name		Task Description	Maximum Lift/ Push/Pull
Assist in Paperwork and Docur	mentation	Helping with the completion and organization of various paperwork and documentation processes.	3 lb.
Assist with Non-Strenuous Ma	intenance Tasks	Providing aid in maintenance activities that do not require significant physical effort.	3 lb.
Audit and Organize Lockout/Ta	agout Kits	Checking and arranging lockout/tagout kits to ensure safety compliance.	5 lb.
Clean and Organize Control Ro	om	Maintaining the tidiness and order of the control room area.	5 lb.
Clean and Organize Store Roor	ns	Keeping storage rooms neat and well-organized.	10 lb.
Clean and Sanitize Lab Equipm	nent	Ensuring lab equipment is clean and hygienic for use.	4 lb.
Collect Water Samples (Small	Containers)	Gathering small samples of water for testing and analysis.	6 lb.
Conduct Inventory of Spare Pa	rts	Keeping track of spare parts available at the plant.	5 lb.
Create or Document Standard Operating Procedures (SOPS) for tasks performed by the site maintenance position.		Developing or recording SOPs for maintenance tasks.	
Data Entry for Maintenance Lo	gs	Inputting information into maintenance records.	5 lb.
Document Inspection of Plant	Equipment	Recording the details of equipment inspections.	6 lb.
Inspect First Aid Kits and Supp	lies	Checking the availability and condition of first aid materials.	6 lb.
Inspect Personal Protective Eq	uipment	Examining the safety gear used by plant personnel.	6 lb.
Inventory and Label Tools and	Equipment	Cataloging and labeling tools and equipment at the plant.	7 lb.
Organize Plant Safety Drills an	d Evacuation Plans	Planning and arranging safety drills and evacuation procedures.	7 lb.
Participate in Online Training C	ourses	Engaging in digital training programs for professional development.	3 lb.
Prepare Weekly Safety Briefing	S	Creating informational safety presentations on a weekly basis.	5 lb.
Review and Document Site Sat	fety Protocols	Examining and recording safety procedures at the site.	5 lb.
Review and Organize Material	Safety Data Sheets	Managing and arranging important safety data sheets.	5 lb.
Review and Organize Safety M	anuals	Keeping safety manuals up-to-date and well-organized.	5 lb.
Review and Update Emergency	y Contact Lists	Ensuring emergency contact information is current and accessible.	3 lb.
Review and Update Equipment	Manuals	Keeping equipment manuals revised and orderly.	5 lb.
Test and Log Fire Extinguisher	Expiry Dates	Checking and recording the expiry dates of fire extinguishers.	6 lb.
Update Training Manuals		Revising and improving training documentation.	5 lb.

CSRMA: Workers' Compensation Management Program Instruction Manual

TRANSITIONAL TASK MATRIX This Example Transi your Agency. Some CSRMA: Workers' Compensation Management Program в DEPT Instruction Manual (1 Admin/Fin/ Safety . CSRMA: Workers' Compensation Management Program . Instruction Manual CSRMA: Workers' Compensation Management Program Instruction Manual FOPS (cont'd) . Mant Orga . . Outlin CSRMA: Workers' Compensation Management Program Posti . Instruction Manual . Previ Making new file folders and Sanit Maintenance Preview safety videos pertaining to job Organize spare parts in both shops . . . Subd Posting safety information on (cont'd) Safety Inspections labels Swee Sanitize countertops · Order parts for jobs bulletin boards . . Engineering . Wast Take vehicles for oil changes Organize spare parts in both shops ۰. Preview safety videos pertaining to job Field . Writin Update maintenance manuals Posting safety information on Safety Inspections bulletin boards
Preview safety videos pertaining to job Sanitize countertops Take vehicles for oil changes Operation addre . Updating construction drawings . Wash trucks/golf carts . Safety Inspections Writing in easement books - updated Update maintenance manuals . . Sanitize countertops Updating construction drawings addresses . · Writing/issuing work orders · Take vehicles for oil changes Wash trucks/golf carts . Field Update maintenance manuals . Weeding around plant/pump stations Operations · Updating construction drawings Writing in easement books - updated · Wash trucks/golf carts addresses . Weeding around plant/pump stations
Writing in easement books – updated · Writing/issuing work orders . addresses Maintenance · Writing/issuing work orders ٠ Answ Chec lights off. a Operations Answer front phones · Answer front phones Answer front phones Eng (cont'd) Check/change burned out indicator Calif. Native Plant Nursery Work Calif. Native Plant Nursery Work . Clear lights on all equipment (i.e. run, on. · Check/change burned out indicator Check/change burned out indicator Data off, alarm lights) Data entry – training & SDS database lights on all equipment (i.e. run, on, off, alarm lights) ٠ lights on all equipment (i.e. run, on, . Dust off, alarm lights) Dust furniture, window sills, desks, cabinets, Data entry – training & SDS Data entry - training & SDS etc. t Follow-up etc. throughout plant database database Filling out spreadsheets in Ops Dust furniture, window sills, desks, . Hosir . . Filling out spreadsheets in Ops cabinets, etc. throughout plant
 Filling out spreadsheets in Ops . Ident Follow-up telephone calls on trouble-calls Follow-up telephone calls on trouble-calls . . 0 0004 Londo 8 44 Hosing around plant from . Hosing around plant . · Follow-up telephone calls on Identify physical existence of fixed assets from report. Identify physical existence of fixed assets Inspe . trouble-calls . Labe from report Labeling Equipment Hosing around plant Labeling Equipment . Labe . Makir . Making copies of forms · Identify physical existence of fixed Making copies of forms Maki Making new file folders and labels assets from report Making new file folders and C 2004 Limbre & Associates/ R ٠ . . . Orde Monitor computers & gates Labeling Equipment
 Making copies of forms labels Monitor computers & gates Posting safety information on bulletin boards Posting safety information on bulletin boards . Orga . Making new file folders and Posti . Preview safety videos pertaining to job . Record equipment run counters for plant equipment for future troubleshooting labels 8 2004 Lender & An · Monitor computers & gates Preview safety videos pertaining to job · Posting safety information on Record equipment run counters for Safety Inspections Sanitize countertops bulletin boards plant equipment for future . · Preview safety videos pertaining to job Updating construction drawings troubleshooting Page 43



SCORE: Who's Getting Hurt?



Class	FY18/19	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24
PD/FD (police/fire)	21	19	24	10	15	11
All Other	17	18	14	16	28	14

Class	FY18/19	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24
PD/FD	434,422	343,617	626,814	631,351	56,694	35,590
Other	963,741	250,262	486,700	264,268	297,259	70,603

SCORE: Who's Getting Hurt? (ctd.)



Physical demands of jobs typically remain constant while our physical abilities don't

U.S. Bureau of Labor Statistics: We tend to get injured less as we age, but when we do, it tends to be more severe and require more time to fully recover

Return to Work

STATIC JOB DEMANDS The level of physical

Go figure... A 60 pounds bag of Asphalt Patch STILL weighs 60 pounds!

• 1 •







PAIN REPORTED BY PUBLIC WORKS EMPLOYEES

- 70% lower back
- 46% knees
- 43% wrists and hands
- 42% shoulders and necks

SCORE: What Are People Hurting?



- Physical Demands Analysis
- Biomechanics Training

SCORE: How Are People Getting Hurt?



Top 10 Injury Count by Nature

Top 10 Injury Total Incurred by Nature (Top 10 based on Claim Count; Ordered by 5yr total incurred)

- Physical Demands Analysis
- Biomechanics Training

A typical physical demand assessment:

"Lift, carry and push tools, equipment and supplies weighing 90 pounds or more is required"



Physical demand component of the job description:

The activities are considered basic job duties that an amplevee	1	Force Required					ency
must be able to perform, with or without reasonable accommodation. The job duties are considered Essential Functions for the Collection Worker I-III / Lead worker.	Weight	Elevation	Carry	Push	Pull		
Lift and maneuver manhole cover	90lbs	0- 24 "				4/hour	20/day
Remove in-service manhole cover using T-handle grip	75lbs	30-36″				4/hour	20/day
Lift "Push-Pull Cam"	71lbs	0-48″				4/hour	20/day
Carry "Push-Pull Cam"	71lbs	Waist	≤ 50′			2/hour	4/day
Hand rodding (pulling)		36 -48"			70lbs	10/min 3 min duration	20/day
Hand rodding (pushing)		36 -48""			70lbs	10/min 3 min duration	20/day
Raise/lower camera into manhole	60lbs	0-48"				4/hour	20/day
Dumping 5 gallon bucket	45lbs	12-48"				2/hour	2/day
Pulling hoses on/off Vactor Truck		Waist			45lbs	3 min	20/day

What is the requirement to lift a 6"cement riser?

244 lbs. total 122 lbs. per person 0-36"



Lift 6" concrete riser

Action: Team lift 244 Lbs. 6"x24" concrete manhole riser.

Elevation	Force Required
0-36 inches	122 Lbs.



NIOSH Analysis NIOSH Origin Destination d Weight (L) (p 51 10 1.00 Recommended n(V) (in 0 36 Weight Limit 32. Lbs. 39.83 Lbs. 0.87 36 36 nce (IVo - Vdl) 1.00 try Angle (A) (deg 1.00 SHORT SHORT 3.77 ng Duration () Lifting Index 3.06 0.94 ng Freip uency (F) (life 1.00 ng (C) 0000 600

Modification

Action: Replace 244 Lbs. 6" concrete ring with 40 Lbs. 6" fiberglass ring. Weight reduction of 204 pounds.

NIOSH	Origin	Destination
Recommended Weight Limit	36 Lbs.	36 Lbs.
Lifting Index	1.11	1.11



NIOSH Lift Index 3.77

Ergonomic Modification: Replace 244 Lbs. concrete riser ring with a 40 Lbs. Fiberglass ring

NIOSH Lifting Index 1.11

What is the requirement to lift a pick-up truck tire?

99.5 lbs. 12-36"





Lessons Learned

- Focus on:
 - Return to Work programs
 - Physical Demands Analysis/Biomechanics Training
 - Recognition of the needs of workers as they age
 - Hazard reduction efforts
 - Biomechanics
 - Job Hazard Assessments with a focus on biomechanical hazards
 - Health Promotion
 - Help employees maintain the physical ability to safely to do their job
 - OR, see personal wear and tear show up as workers' comp claims
 - Slip, trip, fall prevention *increasing in frequency and these can be severe*

