

Cross Town

Governor Fallin's Transportation Plan

- ❖ Repurpose cross town beams.
- ❖ Beams go to counties because of need, Deficient bridges
- ❖ Increase CIRB funding by 5% to construct these bridges.

Focus

- ❖ **Make the program a success!**
- ❖ **Safety**
- ❖ **Promote County Government and Partnerships**
- ❖ **Provide support for County Commissioners**



















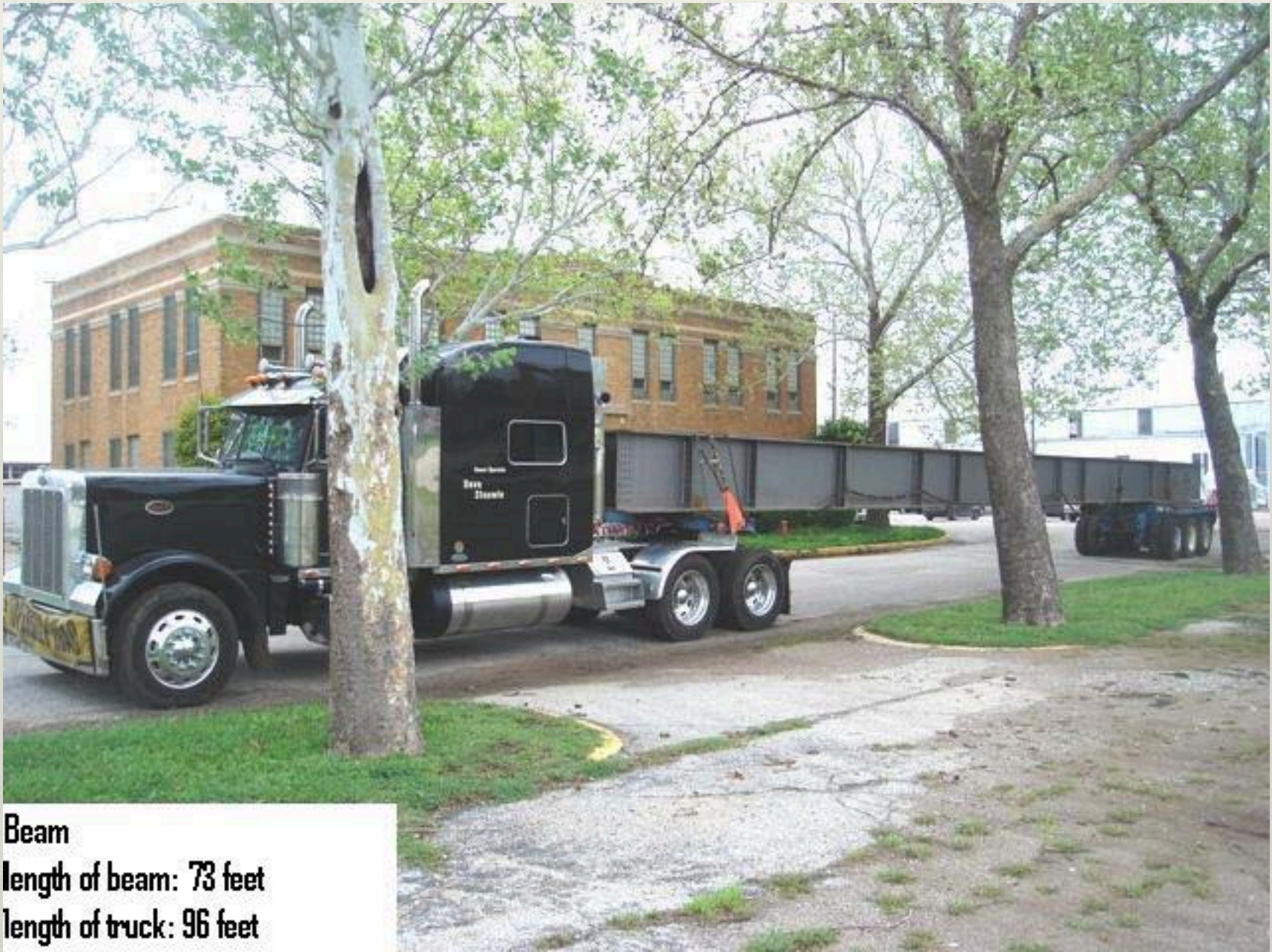
Beam
length of beam: 73 feet
length of truck: 96 feet



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Beam
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Beams Specs

- ❖ 60' beam (W33x130) = 7,800 lbs
 - > Top flange width = 11.5", depth = 33"
 - > Centered bottom stiffener plate (3/4" x 10" x 36') = 920 lbs
 - > Shear connectors (C4x7.25), spacing 9", 10" long = 485 lbs

- ❖ TOTAL 60' beam (W33x130) = 9,205 lbs approx.

Beams Specs

- ❖ 90' beam largest (W36 x 230) ----- There are approx. 15 + number of these large beams = 20,700 lbs
 - > Top flange width = 16.5", depth 36"
 - > Estimated bottom stiffener plate (3/4" x 15" x 66') = 2,525 lbs (might be doubled plated)
 - > Shear connectors (C4x7.25), spacing 9", 15" long = 1,090 lbs

TOTAL 90' beam (W36x230) = 24,315 lbs approx.

Equipment

- ❖ Load rating of each, machinery capacities.
- ❖ Chains / cables (grade 80)
 - ❖ <http://www.tulsachain.com/asccustompages/products.asp?categoryID=34>
- ❖ Beam Clamps (non-sliding)
 - ❖ <http://www.tulsachain.com/asccustompages/products.asp?cartID=140534000724&affID=&categoryid=61&nAvParent=57>
- ❖ Swivels, hooks, clevises

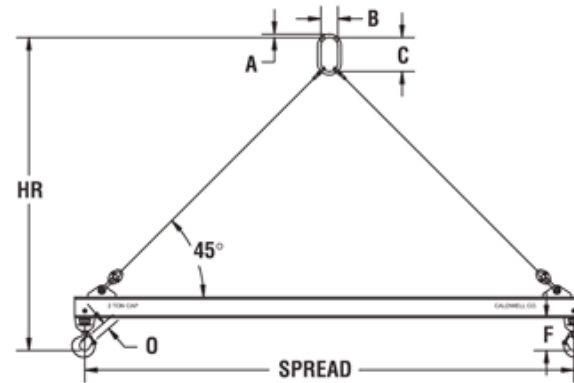
Model 30 - Fixed Spreader Beams



Shown with Option C
Specify Top Rigging

PRODUCT FEATURES:

- Ideal where headroom is not limited.
- Adds stability to lift.
- Available with standard chain or wire rope rigging.
- Available with Adjust-A-Leg® rigging for off center load adjustment (minimum lifting capacity will be approximately 10-15% of beam rating).
- Wide range of additional sizes and capacities available.
- Designed and manufactured to ASME B30.20.



SPECIFICATIONS

Capacity In Tons	Model Number Headroom (in.) Weight (lbs.)	Spread In Feet								Other Dimensions (in.)	
		4	6	8	10	12	16	20	24		
2	Model Number	30-2-4	30-2-6	30-2-8	30-2-10	30-2-12	30-2-16	30-2-20	30-2-24	A=1/2	F=4-1/4
	Headroom	34	46	58	70	82	106	132	156	B=2-1/2	O=31/32
	Weight	45	60	82	95	115	225	408	445	C=5	
5	Model Number	30-5-4	30-5-6	30-5-8	30-5-10	30-5-12	30-5-16	30-5-20	30-5-24	A=1	F=6
	Headroom	37	49	61	73	83	110	134	158	B=3-1/2	O=1-1/16
	Weight	62	78	100	117	168	305	435	661	C=7	
10	Model Number	30-10-4	30-10-6	30-10-8	30-10-10	30-10-12	30-10-16	30-10-20	30-10-24	A=1-1/4	F=8-1/8
	Headroom	41	53	64	77	86	113	138	163	B=4-3/8	O=1-1/2
	Weight	100	122	156	180	240	380	532	915	C=8-3/4	
15	Model Number	30-15-4	30-15-6	30-15-8	30-15-10	30-15-12	30-15-16	30-15-20	30-15-24	A=1-1/2	F=9-1/4
	Headroom	43	55	65	80	92	116	140	167	B=5-1/4	O=1-3/4
	Weight	126	155	185	242	270	420	665	953	C=10-1/2	
20	Model Number	30-20-4	30-20-6	30-20-8	30-20-10	30-20-12	30-20-16	30-20-20	30-20-24	A=1-3/4	F=9-3/4
	Headroom	46	58	69	82	94	118	140	170	B=6	O=2
	Weight	170	200	233	315	350	540	775	1341	C=12	

NOTE: Weight = Beam and hooks only - (no top rigging).

TOP RIGGING OPTIONS

OPTION C

Chain top rigging from beam to crane hook

OPTION W

Wire rope top rigging from beam to crane hook

OPTION A

Adjust-A-Leg® sling top rigging for off-center load adjustment (not included in

ODOT Meeting

- ❖ **Arrival of first beams May 14th or 21st**
- ❖ **After bill passes, update CIRB plan with new location sites using Cross town beams no later than July 1st.**
- ❖ **Media attention, be prepared.**
 - ❖ **Large Recycling program**
 - ❖ **Governmental cooperation**
 - ❖ **Applying for national recognition**

ODOT Inspection

- ❖ **Requesting outside consultant inspection of beams.**
- ❖ **April 9th went out with deadline 16th.**
- ❖ **Determinations (non-destructive testing)**
 - ❖ **Rejected**
 - ❖ **Damaged**
 - ❖ **Accepted**

Meetings

- ❖ **Meeting April 25th at ACCO at 8:30 am.**
 - ❖ **Required information provided to us by April 20th.**
 - ❖ **Review information and confirm site readiness.**
 - ❖ **Provide information to ACCO / OCCEDB**
- ❖ **May 3rd and 4th Safety conference.**
 - ❖ **Discuss proper material handling.**

Site Safety Manager

- ❖ **Verifying safety personnel on hand**
 - ❖ **Proper unloading**
 - ❖ **Encumbrances, utilities, fuel tanks**
 - ❖ **Check equipment / hardware**
 - ❖ **Flagging road**

Beam Site Manager

- ❖ **Documenting the receipt and departure of beams and reporting to the CED Beam Coordinator and Statewide Beam Facilitator.**
- ❖ **Inventory number remains on beam.**

Tracking Spreadsheet

Cross Town Beams Activity Sheet

Staging Site: Chandler

Fax Daily Activity to ACCO (405)524-3700 : Attention Randy Robinson

Receiving Information						Beams Leaving Site				
Beam ID#	Section	Length	Date In	Truck Arrival Time	Truck Departure Time	Date Beams Out	Length Beams Out	Reason for cutoff	Site NBI	Engineer Approved

Fax Daily Activity to ACCO (405)524-3700 : Attention Randy Robinson

CED Beam Coordinator

- ❖ Verifying information between CED staging areas with their Beam Site Managers and with the Statewide Beam Facilitator.**
- ❖ Verifying a bridge site location, NBI**
- ❖ Securing a Professional Engineer's signature approving the use of the beam in a bridge.**

➤ All email notifications should be sent to the points of contact below and be copied to CED1@GUYENGR.COM

	OTTAWA	OSAGE	TULSA
Priority of Delivery	1	2	3
Order of Delivery	Fill site completely before moving on to Osage County	Fill site completely before moving on to Tulsa County	Last site to fill for CED#1
Number of Beams No. <60' / >60'	60 / 75	128	130
County Barn Point of Contact	Scott Hilton / Jay Kennedy / Russell Earls	Tom Teel	Darrel Hicks
Phone	Cell 918-541-0002 / 918-791-8570 / 918-542-0430	Cell 918-798-5058	Cell 918-261-5422
Email	ocd3@groveemail.com	osageco2@att.net	dhicks@tulsacounty.org
After Hours Phone	Cell 918-541-0002 / 918-791-8570 / 918-542-0430	Cell 918-798-5058	Cell 918-261-5422
FAX	918-676-3682	918-396-2780	918-591-6096
Offloading Equipment	Loader with forks and spreader bar - Case Rubber Tire Loader W20C - Cat Track Loader 953B - John Deere Rubber Tire Loader 644H	Two Loaders with beam clamps - John Deere 624EH - John Deere 544J	Crane with spreader bar or beam clamps - Crane P&H T750 75 ton - Loader Komatsu WA430-6 4.6 yd bucket, 41,000lb
Backup Plan	Second loader on site	Borrow equip from Tulsa first, then Rogers County	Loader or building overhead crane
Site Preparation	Level site with gravel	Level site with gravel/millings	Level site with asphalt
Beam Site Manager			
Exit Access			
Beam Clamps	Beam clamps are available	- will purchase	- will purchase
Access Route	I-44 East to Afton/Fairland Exit, East 4 miles on Hwy 60 turn right into Fairland Industrial Park, East to County Barn	From Tulsa take Hwy 75 North to Hwy 20, West through Skiatook to Lenap St., South to 133rd St N., East to County Barn	From Tulsa take Hwy 169 North to Hwy 266, East to 145th E. Ave., North to 66th St. N., West to County Barn
Gate Widths	Enter at main entrance (80ft wide)	Enter at west gate (28ft wide)	Enter at south gate (20ft wide)
Pics of Storage Site	- click link to pictures 300ft x 300ft	- click link to pictures	- click link to pictures
Pics of Gate Entry	- click link to pictures 80ft wide entry	- click link to pictures	- click link to pictures
Utility Encumbrances	none except overhead electric (above 17ft)	none except overhead electric (above 14ft)	none except overhead electric at 17ft
Dunnage Timbers	- will purchase	- will purchase	using steel beam & H-pile cutoffs for dunnage
Dunnage Cost for CED#1	- to be determined	- to be determined	zero
Gravel to Prepare Site	gravel in place	gravel in place - additional millings from Tulsa County	site has asphalt
Gravel Cost for CED#1	- to be determined	- to be determined	zero
Media Contact (Commissioner)			
Site Safety Manager / Precautions	Who and What	Yes, safety man onsite during offloading	Yes, safety man onsite during offloading
Optional points of contact: (if problems arise)	CED#1 Program Manager John Blickensderfer Cellular: 918-381-0838 Fax: 918-437-0455 Email: john-b@guyengr.com	CED#1 Beam Coordinator Aaron Peck Cellular: 918-808-6547 Fax: 918-437-0455 Email: aaron@guyengr.com	

Staging Areas Info.

Priority of Delivery	Backup Plan	Pics of Gate Entry
Order of Delivery	Site Preparation	Utility Encumbrances
Number of Beams No. <60' / >60'	Beam Site Manager	Dunnage Timbers
County Barn Point of Contact	Exit Access	Dunnage Cost for CED#1
Phone	Beam Clamps	Gravel to Prepare Site
Email	Access Route	Gravel Cost for CED#1
After Hours Phone	Gate Widths	Media Contact (Commissioner)
FAX	Pics of Storage Site	Site Safety Manager / Precautions
Offloading Equipment		

Osage



04.05.2012

Osage



04.05.2012

Osage



04.05.2012

Tulsa



04.05.2012

Tulsa



04.05.2012

Tulsa



Statewide Beam Facilitator

- ❖ **Coordinating with Capitol Steel with deliveries.**
- ❖ **Getting Feedback**
- ❖ **Verification of Staging Sites information**
- ❖ **Compile statewide beam information and provide on internet.**
 - ❖ **Tracking sites totals.**
 - ❖ **Available to CED managers, ODOT**

Statewide Beam Facilitator

- ❖ Spot check staging areas and bridge sites.**
- ❖ Report back monthly ACCO / OCCEDB.**

Lincoln



Lincoln



Lincoln



Garfield



Garfield



Logan



Logan



Future Discussions

- ❖ **Actual Delivery Schedules**
 - ❖ **Multiple trucks to one site**
- ❖ **Decision on what beams go where**
- ❖ **Staging beams until a bridge site is prepared.**
 - ❖ **Tracking becomes unmanageable if staging areas increase.**
 - ❖ **Costs**

Cross Town
SAFETY

Beams Weights

12,000 to 25,000 lbs/ea

❖ Chains and cables

- ❖ Rated for load**
- ❖ Condition**
- ❖ Inspection**

❖ Handling devices

- ❖ Clamps**
- ❖ Spreader bars**
- ❖ Swivels**
- ❖ Engineered or purchased**
- ❖ Hand made**

Beam Weights

12,000 to 25,000 lbs/ea

- ❖ **Equipment (loader, trackhoe, crane)**

- ❖ Capable of load
- ❖ Operator training / competence
- ❖ Maintaining center of gravity for load
- ❖ Single lift or dual

- ❖ **PPE**

- ❖ Hard Hat
- ❖ Gloves

- ❖ **Training**

Lead Based Paint

- ❖ **Training of hazards / exposure**
- ❖ **Grinding / cutting**
 - ❖ **Dust/vapor control**
 - ❖ Dust control systems with hepa filtration.
 - ❖ Grinders with systems
 - ❖ **Residue disposal**
 - ❖ **PPE general precautions**
 - ❖ Dust mask
 - ❖ Goggles
 - ❖ Protective clothing

Other Considerations

- ❖ **Utility lines**
- ❖ **Buildings**
- ❖ **Fuel systems**
- ❖ **Rough terrain**
- ❖ **Space to maneuver**
- ❖ **Trailer balance
(loading/unloading order)**





















