

BUILD IT RIGHT

Data Centers #4 · A Channel 5 Kids Adventure
with Lena Ashgrove and the Infrastructure Guard



CREDITS

Build It Right · Data Centers #4 · Kids edition (ages 6–9)

Story and production: GOTB Consulting, Chicago

Starring Lena Ashgrove, Commons, Gridline and Undertow

AI-GENERATED ART, FICTIONAL CHARACTERS

All characters, the town of Prairie Bend and Channel 5 are fictional. Any resemblance to real people is a coincidence. No real logos are shown.

Facts in this book were checked against public sources before printing.

Work-zone safety: stay out of work zones and away from machines. Wave to crews from a safe place!

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MEET YOUR GUIDES



**LENA
ASHGROVE**

Channel 5 host. She asks the big questions.



GRIDLINE

Keeps the power moving.



UNDERTOW

Water hero. Knows every pipe.



COMMONS

Public works boss. Lantern up!



LENA

WE FOLLOWED THE POWER AND THE WATER.
TODAY: THE ROADS, BRIDGES AND PEOPLE WHO
BUILD IT ALL!



America has more than 4 million miles of public roads. That's a LOT of roads!



COMMONS

GOOD MORNING, CREW! HARD HATS ON, VESTS
ON. LET'S BUILD!



COMMONS

BEFORE A BUILDING GOES UP, IT NEEDS A
STRONG ROAD. BIG TRUCKS BRING STEEL,
CONCRETE AND MACHINES.



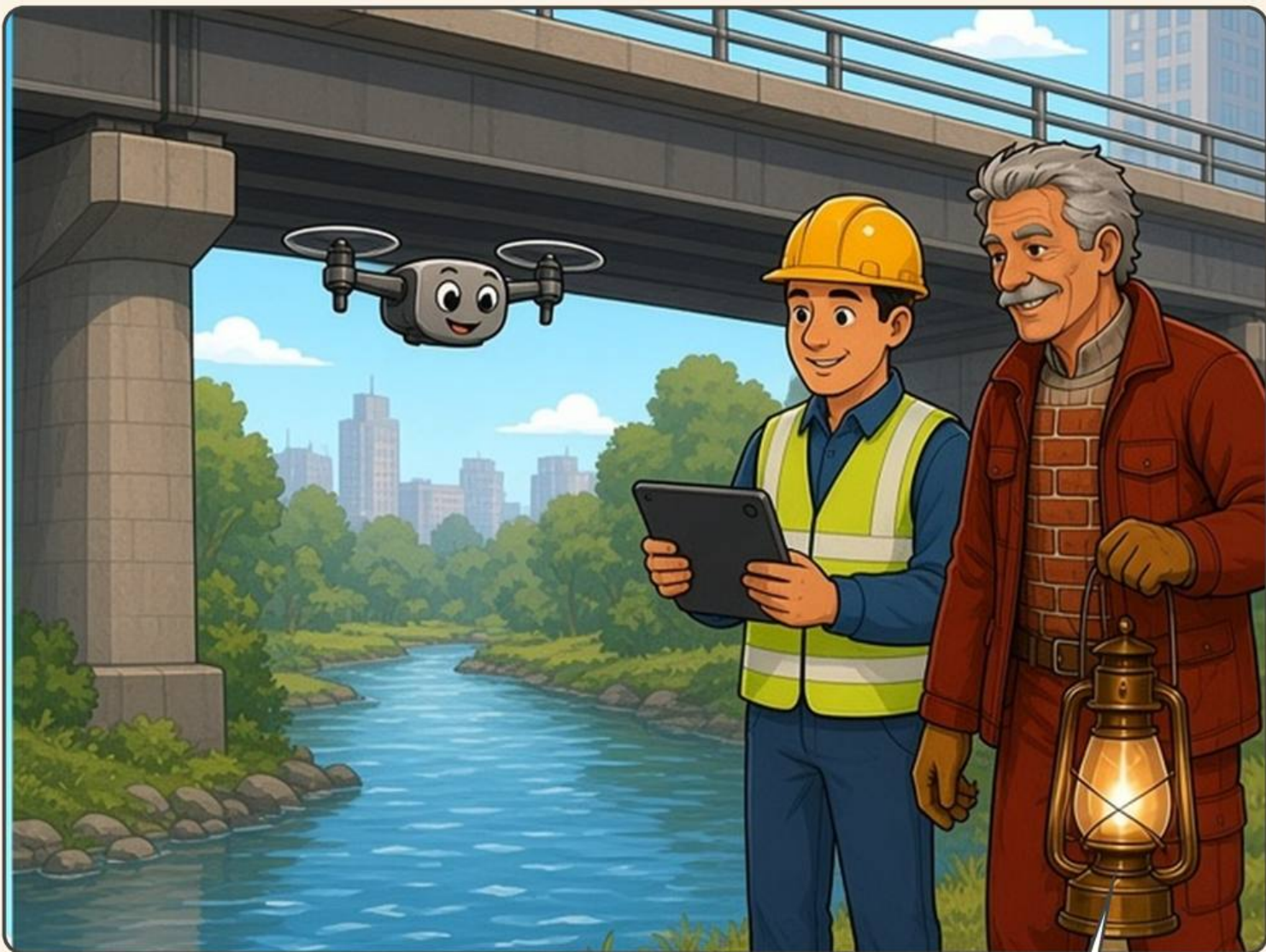
COMMONS

VERIFIED

BUILDING ONE DATA CENTER CAN TAKE ABOUT
1,500 WORKERS AT THE BUSIEST TIME!



Some crews work at night, so cars aren't stuck in traffic during the day.



COMMONS

BRIDGES NEED CHECKUPS TOO, LIKE GOING TO
THE DOCTOR. DRONES AND SENSORS HELP
SPOT PROBLEMS EARLY!



LENA

OUR BRIDGES ARE ABOUT 47 YEARS OLD ON AVERAGE. NEW HIGHWAY BRIDGES ARE BUILT TO LAST AT LEAST 75 YEARS!



COMMONS

UNDER THE ROAD ARE PIPES AND WIRES.
PUBLIC WORKS MEANS POWER, WATER AND
ROADS WORKING TOGETHER!



COMMONS

CREWS LEARN BY WORKING BESIDE
EXPERIENCED BUILDERS. SAFETY COMES
FIRST: HARD HATS, BOOTS AND GLOVES.



LENA

REPORTED

NEIGHBORS HELP DECIDE WHERE NEW
BUILDINGS AND ROADS GO. GOOD QUESTIONS
MAKE GOOD PLANS.



LENA

POWER, WATER, ROADS AND PEOPLE: THE
WHOLE TEAM! THANKS FOR BUILDING WITH
CHANNEL 5!

Made with GOTB Consulting, who help plan the power, water and public works behind places like this.

WORDS TO KNOW

ROAD

A path built in layers: dirt, gravel and pavement.

BRIDGE

A road that crosses over water or another road.

CREW

A team of workers who build together.

HARD HAT

A strong helmet that keeps your head safe.

STEAMROLLER

A heavy machine that presses roads flat.

INSPECTOR

A person who checks that things are safe.

APPRENTICE

A new worker learning from an expert.

TOWN HALL

A meeting where neighbors share ideas.

HOW A PLACE GETS BUILT

Trace the path with your finger, from start to finish.

PLAN

Neighbors and planners decide where.



ROAD

A strong road comes first.



TRUCKS

Trucks bring steel and concrete.



CREW

Hundreds of workers build it.



CHECKUPS

Inspectors check roads and bridges.



TEAMWORK

Power, water and roads work together!

WORD SEARCH

Find these words. They go across, down, or slanted.

T	G	Y	S	P	L	A	N	N	A	H	G
B	K	L	W	Y	M	T	R	U	C	K	D
P	E	L	A	N	T	E	R	N	P	R	G
S	O	C	R	E	W	T	N	F	W	N	H
O	S	J	O	H	B	H	B	A	N	N	W
S	I	A	O	E	W	R	R	R	A	V	O
L	W	B	F	L	C	H	I	M	G	S	D
U	E	C	U	E	D	C	W	D	V	J	R
U	V	O	R	I	C	E	O	G	G	F	R
C	O	R	K	A	L	R	P	N	Y	E	M
M	M	Y	C	K	N	D	H	R	E	K	T
T	R	R	O	A	D	E	L	R	C	K	D

ROAD

BRIDGE

CREW

CONE

TRUCK

CRANE

PLAN

SAFE

BUILD

LANTERN

QUICK QUIZ

Circle the best answer!

1. What comes first, before a building?

A strong road

A roof

2. Why do some crews work at night?

Less traffic

To see stars

3. What helps check bridges?

Drones

Balloons

4. What keeps workers safe?

Hard hats

Flip-flops

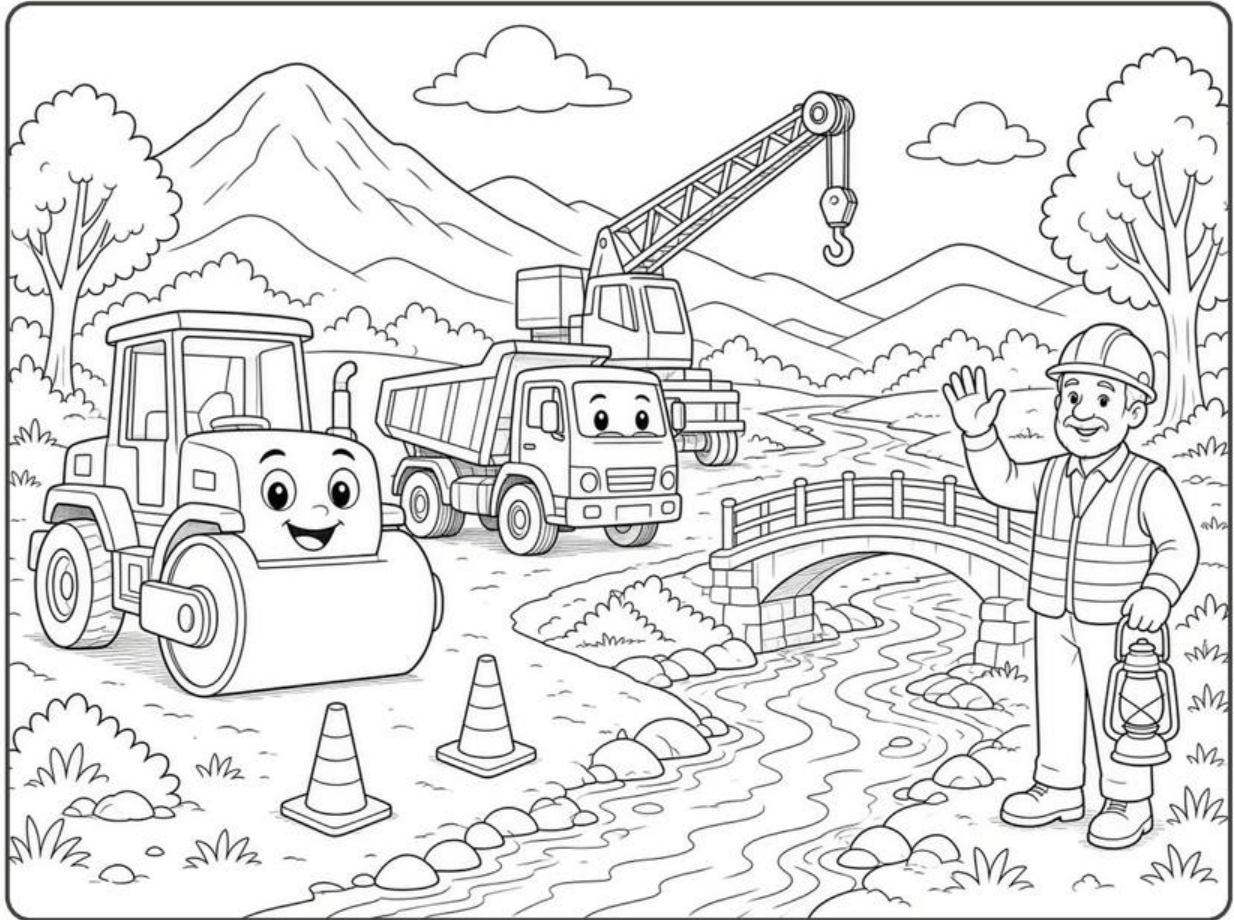
5. Who helps decide where things go?

Neighbors

Pigeons

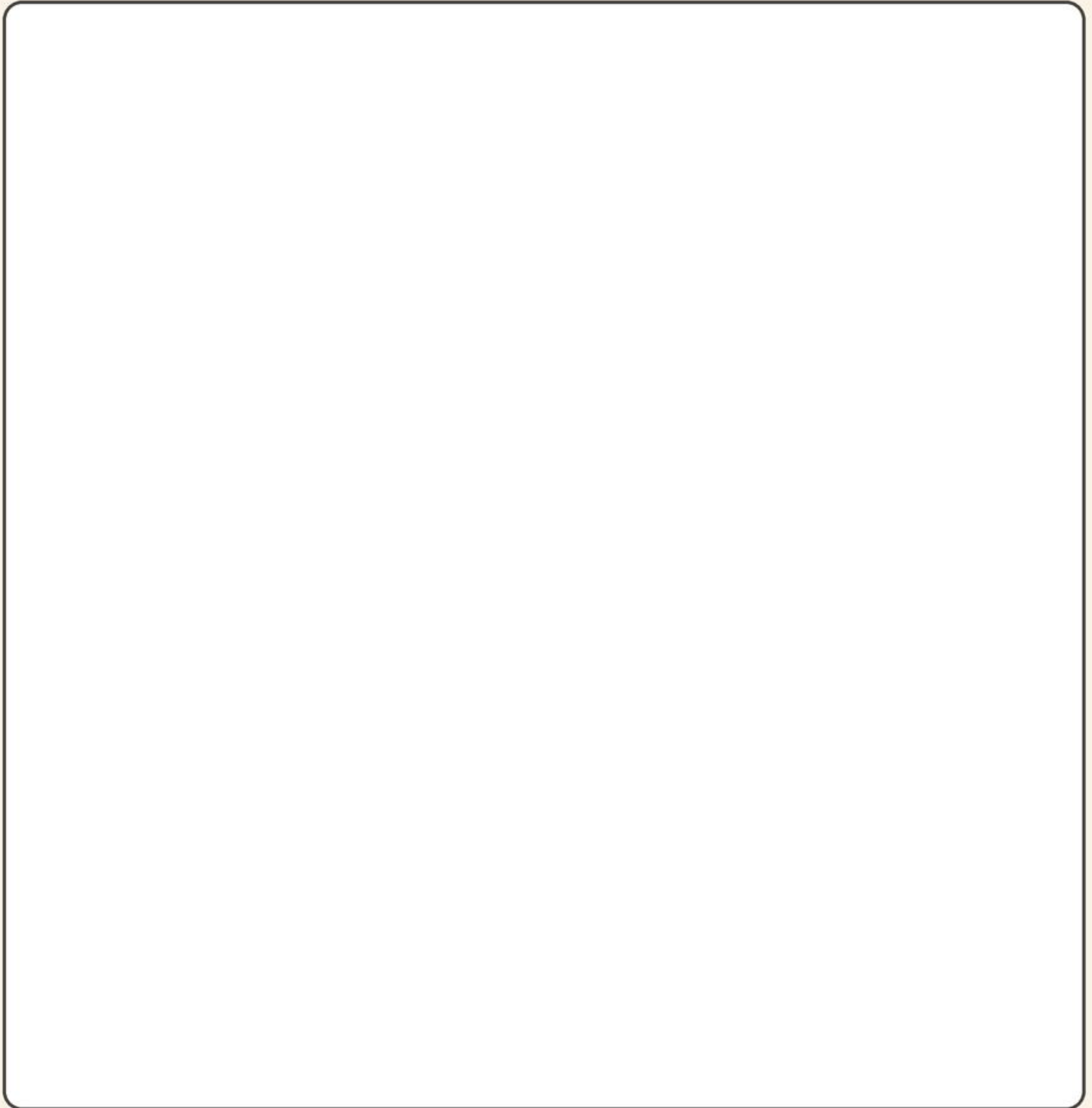
Answers: 1 a strong road · 2 less traffic · 3 drones · 4 hard hats · 5 neighbors

COLOR THE BUILDING CREW



DESIGN YOUR BRIDGE

Draw a bridge that could last 75 years!



My bridge is made of: _____

LET'S TALK ABOUT IT

Questions to share with a grown-up

WHAT ROADS AND BRIDGES DO YOU USE
EVERY DAY?

WHY DO YOU THINK CREWS WEAR BRIGHT
VESTS?

IF YOU COULD BUILD SOMETHING FOR YOUR
TOWN, WHAT WOULD IT BE?

WHAT QUESTION WOULD YOU ASK AT A TOWN
HALL?

ABOUT GOTB CONSULTING

GOTB Consulting is a Chicago team that helps plan the big systems towns depend on.

We work on four things you saw in this book:

DATA CENTERS

Where the cloud lives

POWER

Electricity for homes and buildings

WATER

Clean water and smart cooling

PUBLIC WORKS

Roads, pipes and places for people

THE END!

SEE YOU
NEXT TIME!



THANKS FOR BUILDING WITH US!

Next time: more adventures with the Infrastructure Guard!

GOTB CONSULTING • CHICAGO

Data centers • Power • Water • Public works

AI-generated art, fictional characters