CONTROL EQUIPMENT AND FUNCTIONS

Part 2
Signal Phasing and Displays

PHASING DIAGRAM

DUAL-RING CONTROL
PHASE CONTROL MODULE

INPUTS PER RING
- Force-off
- Stop timing
- Inhibit max
- Omit all-red
- Max II select

SIGNAL DISPLAYS
MUTCD DEFINITIONS

• Lens
• Face
• Head
• Indication
**MUTCD DEFINITIONS**

- Lens
- Face
- Head
- Indication

**SOLID RED**

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**MUTCD DEFINITIONS**

- Lens
- Face
- Head
- Indication

**GREEN LEFT ARROW**

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**MUTCD DEFINITIONS**

- Lens
- Face
- Head
- Indication
MUTCD REQUIREMENTS

• Lens position
• Prohibited combinations
• Prohibited sequences

NORTHBOUND

SIMPLE LT PROTECTION
COMPOUND LT PROTECTION

COMPOUND LT PROTECTION

COMPOUND LT PROTECTION
OVERLAPS

- “OR” combination of 2 or more parent phases
- Four per controller
- OLA, OLB, OLC, OLD

OVERLAPS

- Phase omit
- Ped omit
- Hold
- Check
- Phase on
- Phase next
- DON'T WALK
3 PHASE OPERATION

DUAL-RING CONTROL

2 PHASE OPERATION
MORE INFORMATION

- Vendor literature
- NEMA Standard TS-1
NEXT ...

Session 2
Stop Line Operations