



# DYNAMIC SEGMENTATION

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# DYNAMIC SEGMENTATION

- **Overview**
  - Concept
  - Input Parameters
  - Output Tables
  - Decision Support



# DYNAMIC SEGMENTATION

- **Concept**
  - Flexible
  - Automated
  - Fast
  - Core Technology
  - Database Program
  - No GIS Dependency



# DYNAMIC SEGMENTATION

- **Input Parameters**
  - Standard Events
  - “Custom” Events
  - External Tables
  - Mixture of Point & Linear Events
  - Segmentation Catalog



# DYNAMIC SEGMENTATION

- Segmentation Catalog

OUTPUT_TABLE	AUTHOR	ACTIVE	FEATURE	SOURCE_TABLE	TYPE
DS_ClasMAOP	ghoover	Y	CBND	EVENT_RANGE	LINEAR
DS_ClasMAOP	ghoover	Y	CLAS	EVENT_RANGE	LINEAR
DS_ClasMAOP	ghoover	Y	MAOP	DSV_MAOPRATING	LINEAR
DS_CLAttributes	ghoover	Y	DIA	DIAMETER	LINEAR
DS_CLAttributes	ghoover	Y	OPAR	EVENT_RANGE	LINEAR
DS_CLAttributes	ghoover	Y	RNGE	EVENT_RANGE	LINEAR



# DYNAMIC SEGMENTATION

- **Output Tables**
  - Fully Indexed
  - Records Event\_ID's Only
  - Output Table Format
  - Output View Format



# DYNAMIC SEGMENTATION

- Output Table Format**

TYPICAL TABLE HEADER COLUMNS						USER DEFINED EVENT_ID COLUMNS		
LINE	SERIES	BEG_S	END_S	BEG_M	END_M	DIA	OPAR	RNGE
719	998	0	220	0	220	436	1026453	1035645
719	999	72	25595	220	25743	436	1026453	1035645
719	1000	25579	184900	25743	185064	436	1026453	1035645
719	1001	184900	185578	185064	185742	436	1026453	1035645
719	1002	185564	320837	185742	321015	436	1026453	1035645
719	1003	320837	486868.8	321015	487046.8	436	1026453	1035645



# DYNAMIC SEGMENTATION

- **Output View Format**

Select .....

```
FROM DS_CLATTRIBUTES CL  
LEFT OUTER JOIN OPERATING_AREA OA  
ON CL.OPAR_EVENTID = OA.EVENT_ID
```

```
LEFT OUTER JOIN DIAMETER DIA  
ON CL.DIA_EVENTID = DIA.EVENT_ID
```

```
LEFT OUTER JOIN ILI_RANGE RNG  
ON CL.RNGE_EVENTID = RNG.EVENT_ID
```



# DYNAMIC SEGMENTATION

- **Decision Support**
  - Gap Resolution
  - Overlap Resolution
  - Cross-Series Event Resolution
  - MAOP Calculation
  - Mileage Reports
  - Facility Listing
  - Risk Assessment
  - T4 and NPMS Filings
  - GIS Centerline



# DYNAMIC SEGMENTATION

- Question and Answers
- Contact Information
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